

## Mining District File Summary Sheet

DISTRICT	Rosebud
DIST_NO	4010
COUNTY	Pershing
If different from written on document	
TITLE	1991 Summary Report, Rosebud Project, Pershing County, Nevada, May 1992
If not obvious	
AUTHOR	Kuhl, T.; Brewer N
DATE OF DOC(S)	1992
MULTI_DIST	<input checked="" type="checkbox"/> Y / <input type="checkbox"/> N?
Additional Dist_Nos:	
QUAD_NAME	Sulphur 7½'
P_M_C_NAME (mine, claim & company names)	Rosebud Mine; Lee Minerals (USA), Inc; Rosebud Project; White Alps; Oscar; Dozer Hill; North Equinox; Degerstrom; Short Shit; Dreamland; Wild Rose; East Dreamland; South Ridge; North Rosebud Peak
COMMODITY	gold; silver
If not obvious	
NOTES	Project summary; geology; cross-section; assays; property map; drill hole location map; claim map
	68 p

Keep docs at about 250 pages if no oversized maps attached  
(for every 1 oversized page (>11x17) with text reduce  
the amount of pages by ~25)

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## 1991 SUMMARY REPORT

### ROSEBUD PROJECT Pershing County, Nevada

Timothy O. Kull  
May, 1992

## **1991 SUMMARY REPORT**

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**LAC**

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1991 Annual Summary Report  
Rosebud Project  
Pershing County, Nevada

I. Summary

The Rosebud Project, located in northern Pershing County, Nevada, consists of a 10,000 acre claim block covering numerous volcanic hosted epithermal gold-silver prospects.

In 1989, LAC discovered significant high grade gold mineralization in the third drill hole at Dozer Hill. By the end of 1989, 38 drill holes had delineated a northeast trending high grade mineralized zone 700 feet long. A total of 56 drill holes were completed on the Rosebud project during 1989 totalling 28,866 feet of drilling. Six satellite targets were drill tested in 1989.

In 1990, the exploration program continued with initial step-out drilling along the trend at Dozer Hill. A total of 111 core and rotary drill holes totaling 86,332 feet of drilling were completed on the Rosebud project during 1991. By year-end a mineralized trend had been delineated at Dozer Hill which was 2000 feet long and 300 feet wide. Seven satellite targets were also drill tested in 1990.

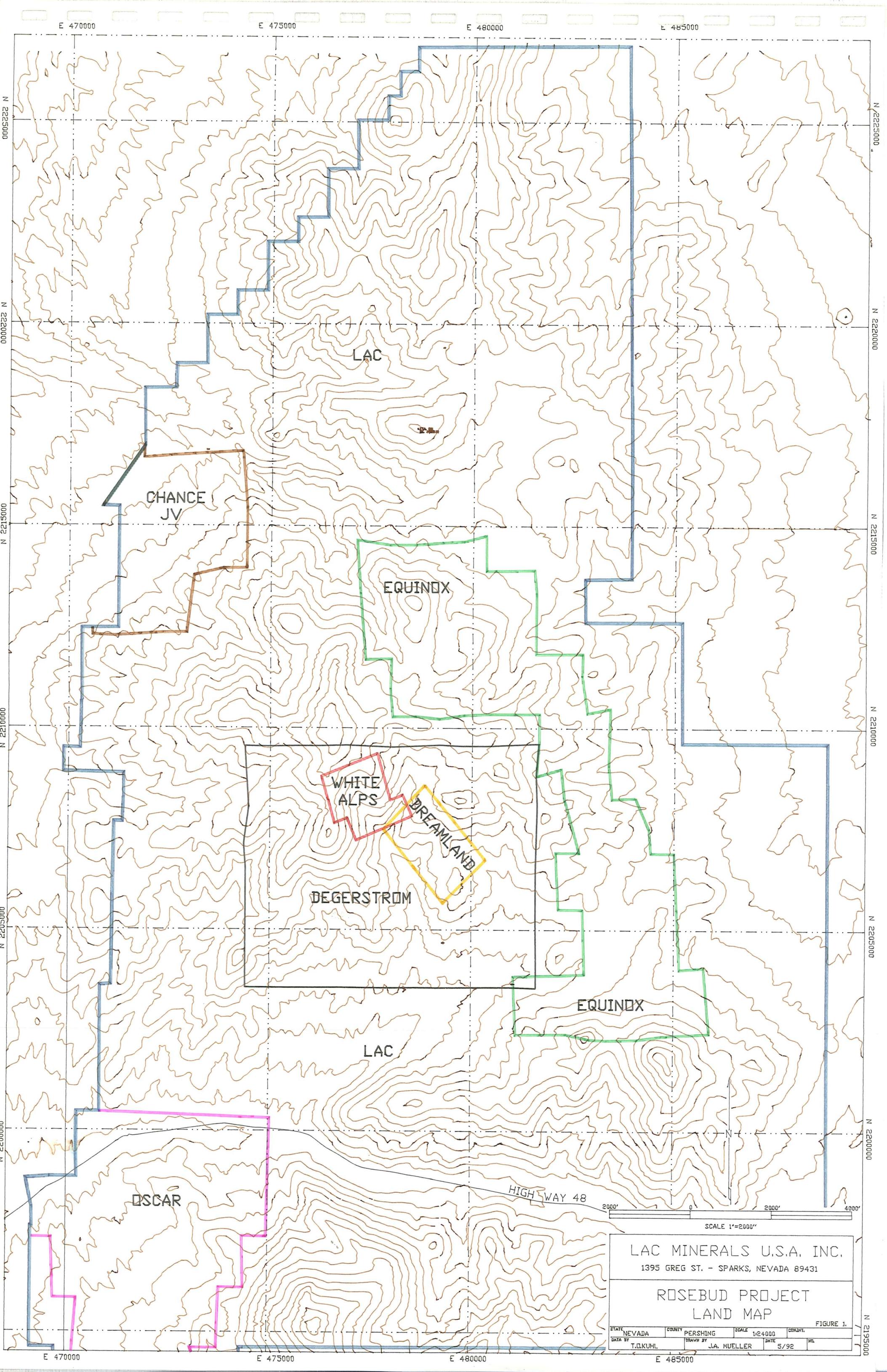
In 1991, an additional 83 core and rotary drill holes totalling 58,691 feet were completed on the Rosebud Project. Of this total drilling, 48,846 feet (64 holes) were completed in the Dozer Hill area. Drilling in 5 satellite targets amounted to 9,845 feet in 14 drill holes. The 1991 drilling brought LAC's project totals to 173,889 feet of drilling in 249 drill holes.

A cross-sectional resource estimate of the Dozer Hill mineralization was completed using nominal cutoffs of 0.050 opt Au and 0.100 opt Au over a drill thickness of 10 feet. The 0.050 opt Au cutoff indicated a geologic resource consisting of 3,123,500 tons at a grade of 0.213 opt Au. The 0.100 opt Au cutoff indicated a geologic resource consisting of 1,894,100 tons at a grade of 0.312 opt Au.

INTRODUCTION

The Rosebud project is located in the northern Kamma Mountains approximately 50 miles north of Lovelock, Nevada (figure 1). At least 14 precious metal prospects hosted by Miocene volcanic rocks have been identified on the property.

The property was initially identified by R.E. Bennett in 1987 during a regional reconnaissance program. LAC has consolidated a land position constituting approximately 10,000 acres through



various agreements and claim staking (figure 2).

Work on the Rosebud project during 1991 consisted of reverse circulation and core drilling. Direct drilling costs averaged \$8.69/foot for the reverse circulation drilling and \$18.25/foot for the core drilling. All core drilling was completed with a Universal Drill Rig which allowed for pre-collaring core holes with reverse circulation.

Work was also completed developing baseline biology (soils, vegetation, and wildlife), hydrology, and archeology information. In the first quarter of 1991, a pre-feasibility study for the Dozer Hill resource was completed by Beacon Hill Consultants of Vancouver, B.C.

Total expenditures on the Rosebud property during 1991 were \$1,716,012 (net to LAC \$1,237,140). This brings the project to date through year end 1991 expenditures to \$5,073,377. Net to LAC expenditure, project to date through year end 1991, are \$4,482,100.

#### PROPERTY STATUS

During 1991, claimstaking added a total of 888 acres to the Rosebud project. Also, LAC chose not to exercise the joint venture option on the Chance claims and these claims were returned to BEMA reducing the Rosebud claim block 178 acres. At year end, 1991, the Rosebud property position consisted of approximately 10,000 acres. In January 1992, an agreement was completed with USMX on the Oscar claims which added approximately 700 acres to the Rosebud property position bringing the total acreage under LAC control to approximately 10,700 acres. The property position consists of 555 unpatented and 3 patented claims.

Equinox: Equinox continued to contribute 49 percent of expenditures to the LAC-Equinox Joint Venture property in the Dozer Hill area. During the 1991, \$977,289 were spent on the LAC-Equinox Joint Venture. Equinox contributions totaled \$478,872.

Degerstrom: During 1991, a total of \$50,797 was spent on Degerstrom's GP claims. This brings the total LAC expenditures to \$469,339 since the effective date of the agreement, October 28, 1988. To reach the earn-in requirement of \$500,000 for 50%, an additional \$30,661 must be spent on the GP claims by October 28, 1992.

Chance: Bema acquired Norgold Resources during 1991. Total expenditures on the Chance claims during 1991 were \$52,066. Results were not encouraging and in October, LAC chose not to continue the Chance joint venture and the Chance claims were returned to BEMA.

USMX: Negotiations on the Oscar claims continued during 1991. Expenditures on the Oscar project during 1991 totaled \$12,458. An agreement was signed in January, 1992.

Short Shot: During 1992, a total of \$53,066 were spent on the Short Shot project. A 5 year extension to the option period for the Short Shot claims was negotiated in November, 1991.

#### GEOLOGY AND MINERALIZATION

The Rosebud project is located in the Kamma Mountains, northern Pershing County, Nevada. The Kamma Mountains are underlain by Miocene age volcanic rocks of felsic to intermediate composition. The volcanic stratigraphy consists of siliceous flows and tuffs with intercalated fine to coarse fragmental units. Underlying the volcanic rocks are Jurassic-Triassic black carbonaceous metasedimentary rocks. Tertiary age gravels occur along the flanks of the range. The Kamma Mountain volcanic package has been subdivided into several stratigraphic units by LAC geologists. Refer to Table 1 for a description of these units. Numerous structurally controlled gold-silver prospects are hosted by the volcanic rocks.

The Kamma Mountains have undergone extensional tectonic deformation creating a complexity of high angle and low angle faults throughout the range. The most prominent structural feature in the Rosebud property is the Rosebud Shear which strikes northeasterly through the southern portion of the project area. The Rosebud shear displays approximately 2000 feet of left lateral displacement and up to 500 feet of north side down displacement. Another prominent feature is the South Ridge fault in the Dozer Hill area which displays up to 1,700 feet of left lateral oblique displacement. The South Ridge Fault is represented on the surface as bold silicic outcrops along the north flank of South Ridge. The fault can be consistently identified and correlated in the subsurface by drilling. The South Ridge Fault dips northerly at approximately 45 degrees. Mineralization in the Dozer Hill area is commonly spatially associated with the South Ridge Fault; either hanging wall or footwall to the South Ridge structure.

An exploration model for mineralization was proposed by N.H. Brewer in 1991 (figure 3). The model proposed gold mineralization to be localized in the brecciated and fractured hanging wall of low-angle structures. Host rocks could be any stratigraphic unit with good cracking characteristics. It was further proposed that some degree of vertical zoning characteristics were represented by

the numerous prospects throughout the Rosebud property. Recent geologic interpretations based on detailed geologic cross sections and elevation plans in the Dozer Hill area have further developed this conceptual model.

ROSEBUD EPITHERMAL SYSTEM  
SCHEMATIC MODEL

0 —————

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 ± banded chalcedony "angel-wing" calcite, alunite and kaolinite  
(Sb, Ag, Se, ± As, Hg, Cu, Tl and Au)

Bleached, argillized and/or sericitized  
wall rock ± patchy diss and vein pyrite

1000' —————

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

Moderately silicified hanging wall stockwork  
and breccia Au ± Ag, Se, Cu, As, Hg and Sb  
veining; drusy quartz-sulfides; calcite-  
sulfosalt-selenides and electrum kaolinite  
veins

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

Footwall vein structures  
Narrow alteration envelopes

2000' —————

FIGURE 2.

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

Dozer Hill mineralization can be subdivided into 3 areas. The South, North and East zones. Mineralization in the South and North areas is hanging wall to the South Ridge Fault, hosted by the LBT, and controlled by tensional features which are represented by antithetic faults dipping southerly toward the South Ridge Fault. Near vertical(?) northwesterly striking faults in part control mineralization and may act as "feeder zones".

Mineralization in the East zone is localized within the South Ridge Fault zone or its footwall. Footwall mineralization is localized along structural features subparallel to the South Ridge Fault. Northwesterly striking faults in part control mineralization and may also represent potential "feeder zones" for mineralization.

Mineralization in the Dozer Hill area consists of a crude stockwork and micro-veining of quartz, calcite, clay, pyrite, marcasite within bleached, clay altered, sericitized, and locally silicified volcanic rocks. Gold and silver is present at electrum, aurian silver, and silver-bearing selenides and sulfosalts with in narrow discontinuous veinlets commonly less than a centimeter in thickness.

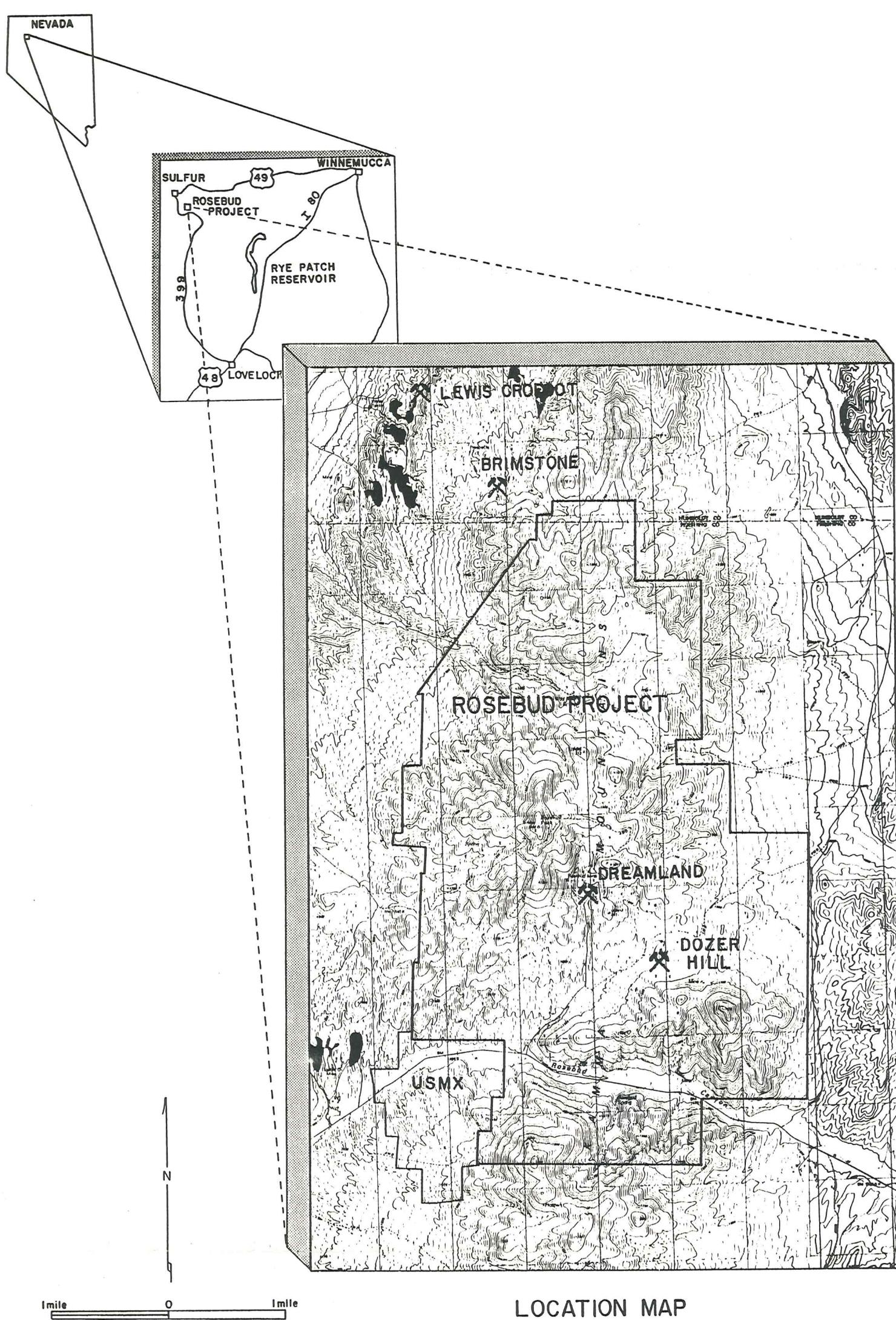
Currently the Dozer Hill resource consists of the resource area previously identified in 1989 and 1990 (South and North Zones) and discussed in Brewers, 1991 annual report. During 1991, followup drilling of drill hole RL145 led to the delineation of the East zone. East zone mineralization constitutes a tabular body crudely 400 by 600 feet.

## RESULTS OF THE 1991 DOZER HILL PROGRAM

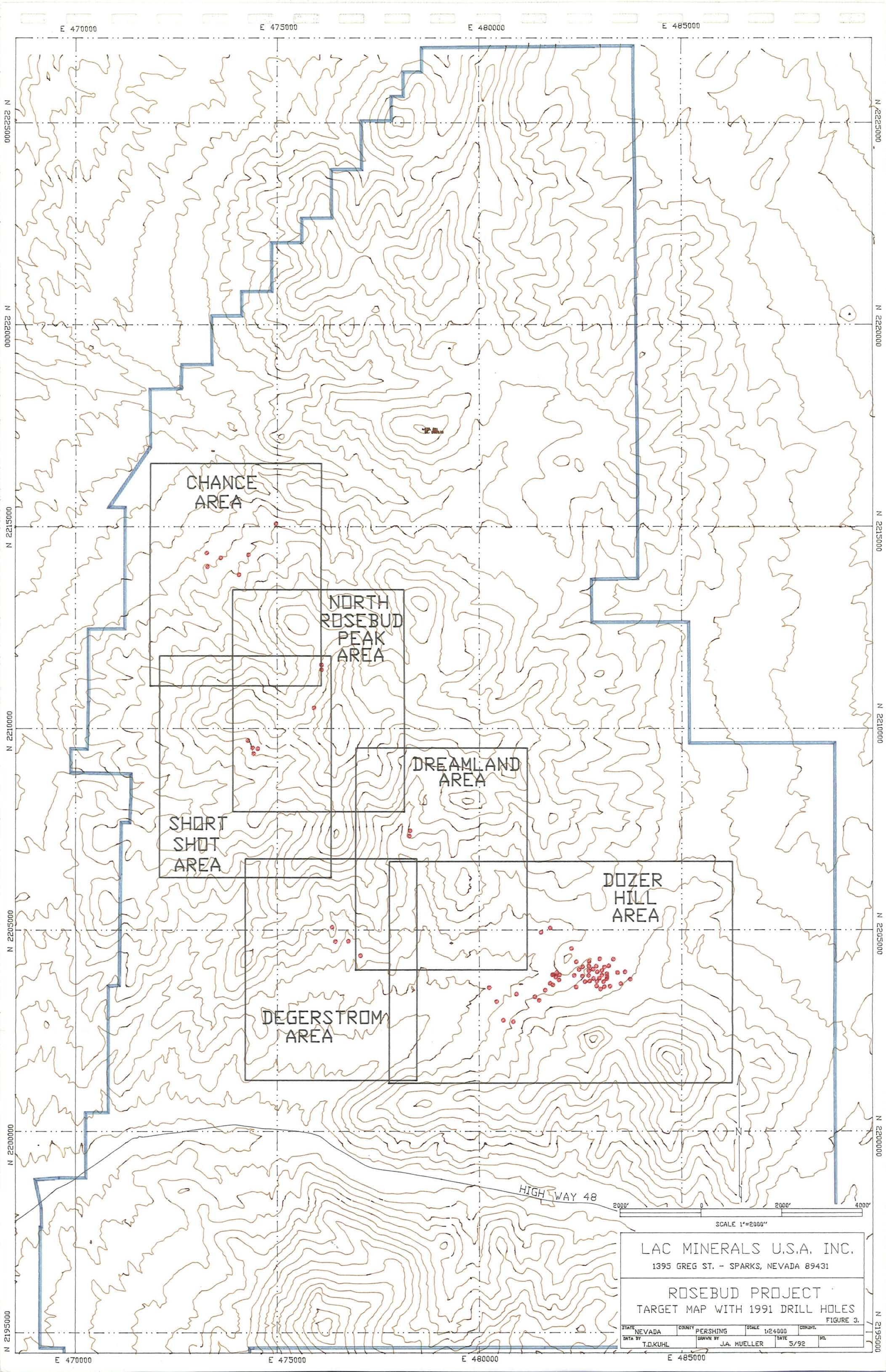
### Drilling

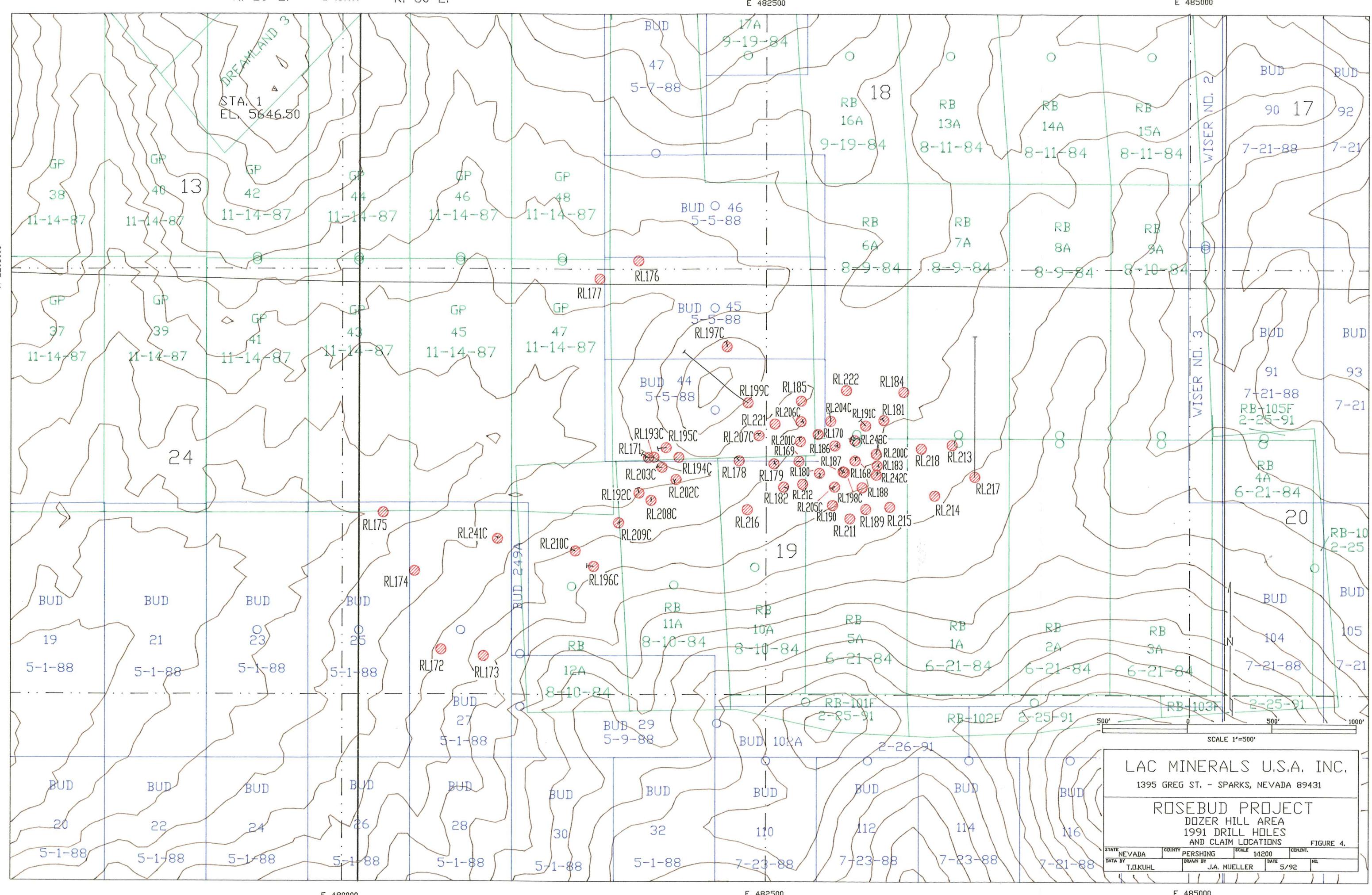
During 1991, a total 48,846 feet of drilling were completed in the Dozer Hill area. Breakdown of the footage drilled is presented in table 2. A regional drill hole location map is presented in figure 4. Drill hole locations for the Dozer Hill area are presented on figures 5 and 6. Drill hole location for Chance, Degerstrom, Dreamland, North Rosebud Peak, and Short Shot are presented on figures 7, 8, 9, 10 and 11 respectively. Significant intercepts of all drilling is listed in the appendices.

All reverse circulation drilling during 1991 was completed by Stevens Drilling, Hinkley, Utah. All core drilling during 1991 was completed by Coates Drilling, Carson City, Nevada using a Universal Drill Rig which allowed for collaring the drill holes with reverse circulation. The total cost per foot drilled for the reverse circulation contract was \$8.50 per foot. Total cost per foot of core was \$18.50 per foot (total cost for combination RC and Core).



LOCATION MAP





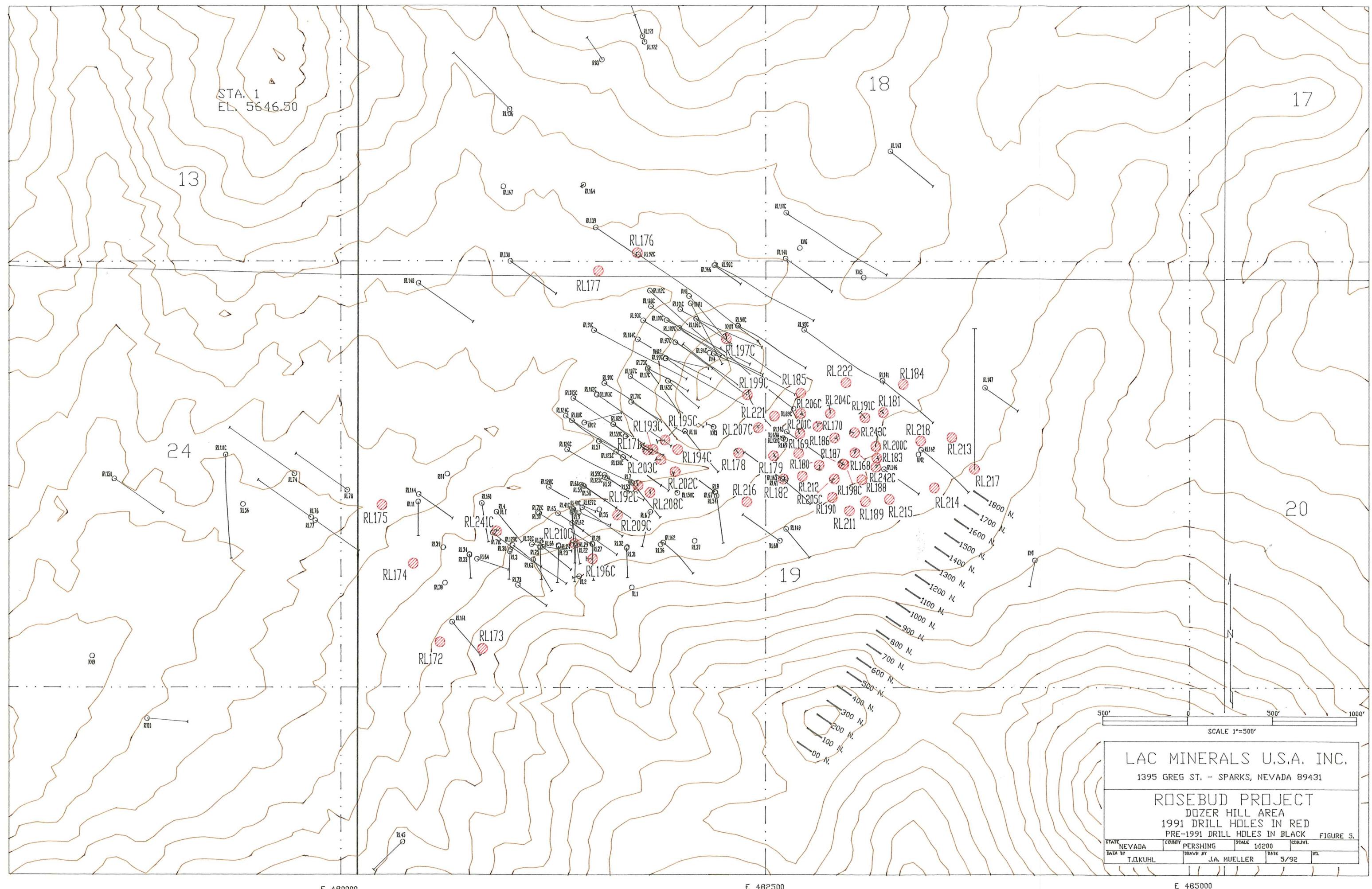
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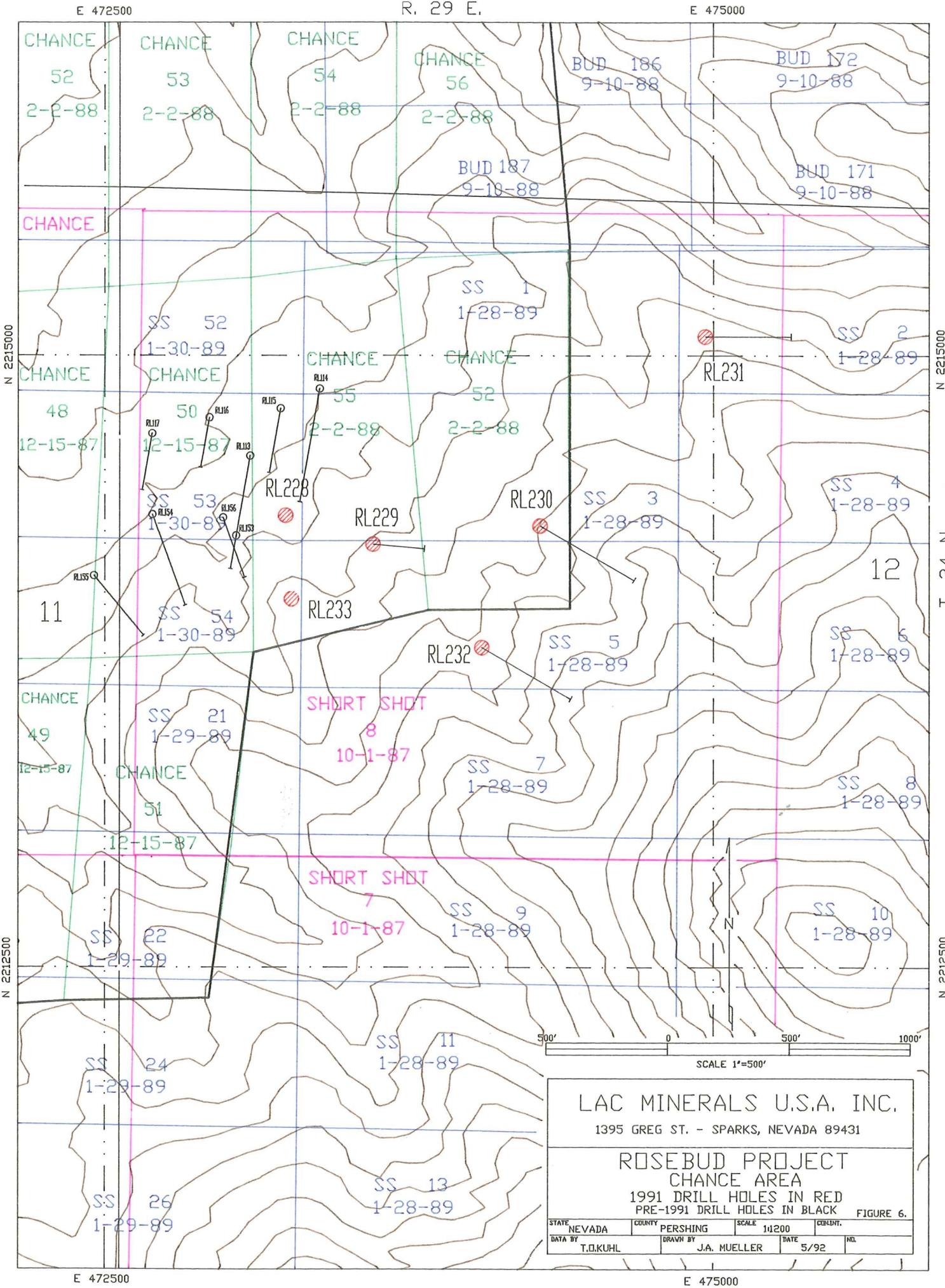
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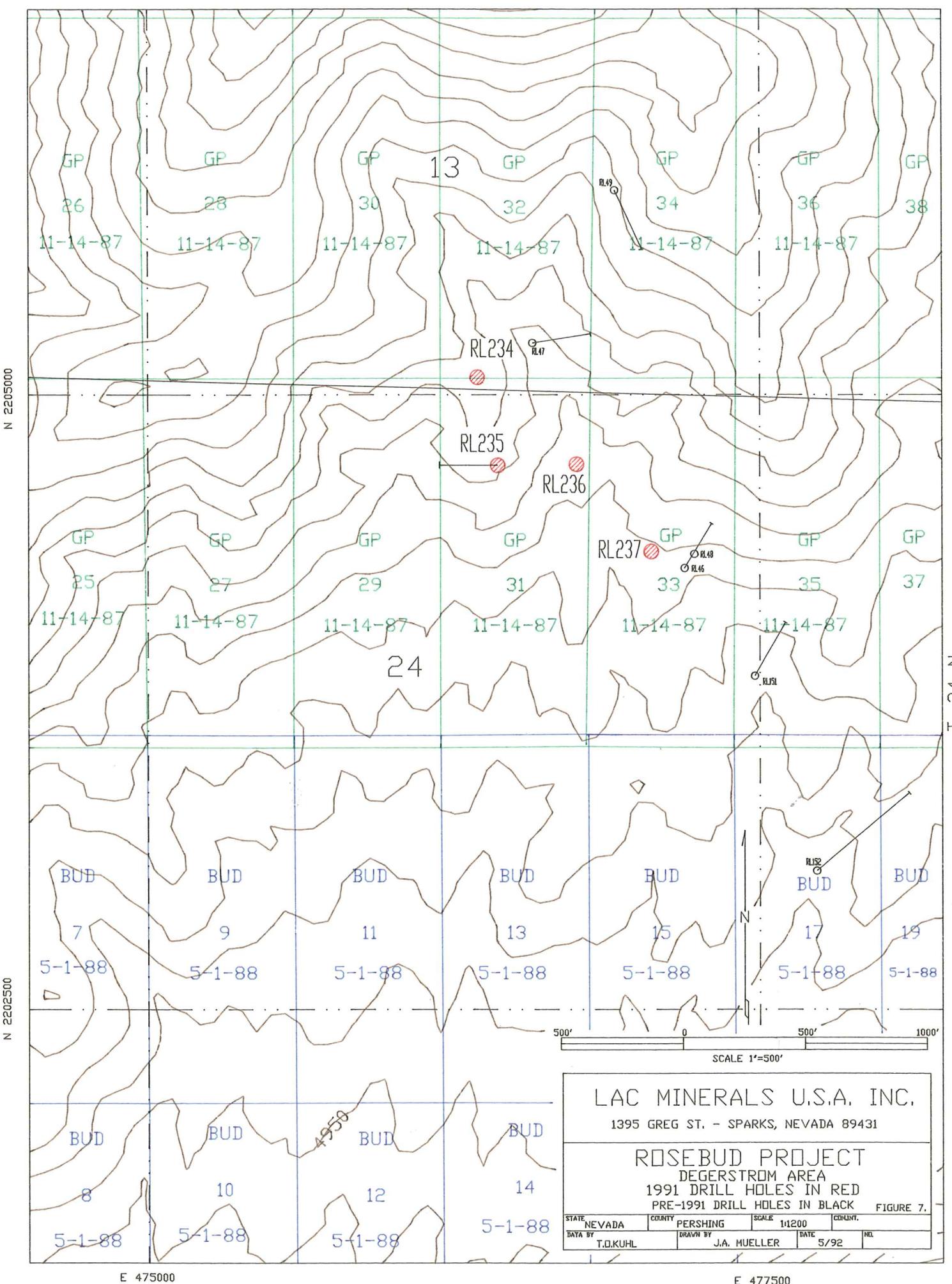




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1395 GREG ST. - SPARKS, NEVADA 89431

ROSEBUD PROJECT  
DEGERSTROM AREA  
1991 DRILL HOLES IN RED  
PRE-1991 DRILL HOLES IN BLACK

FIGURE 7.

STATE	COUNTY	PERSHING	SCALE	1:1200	CONTRACT
NEVADA					

DATA BY	COUNTY	PERSHING	SCALE	1:1200	CONTRACT
T.O.KUHL					

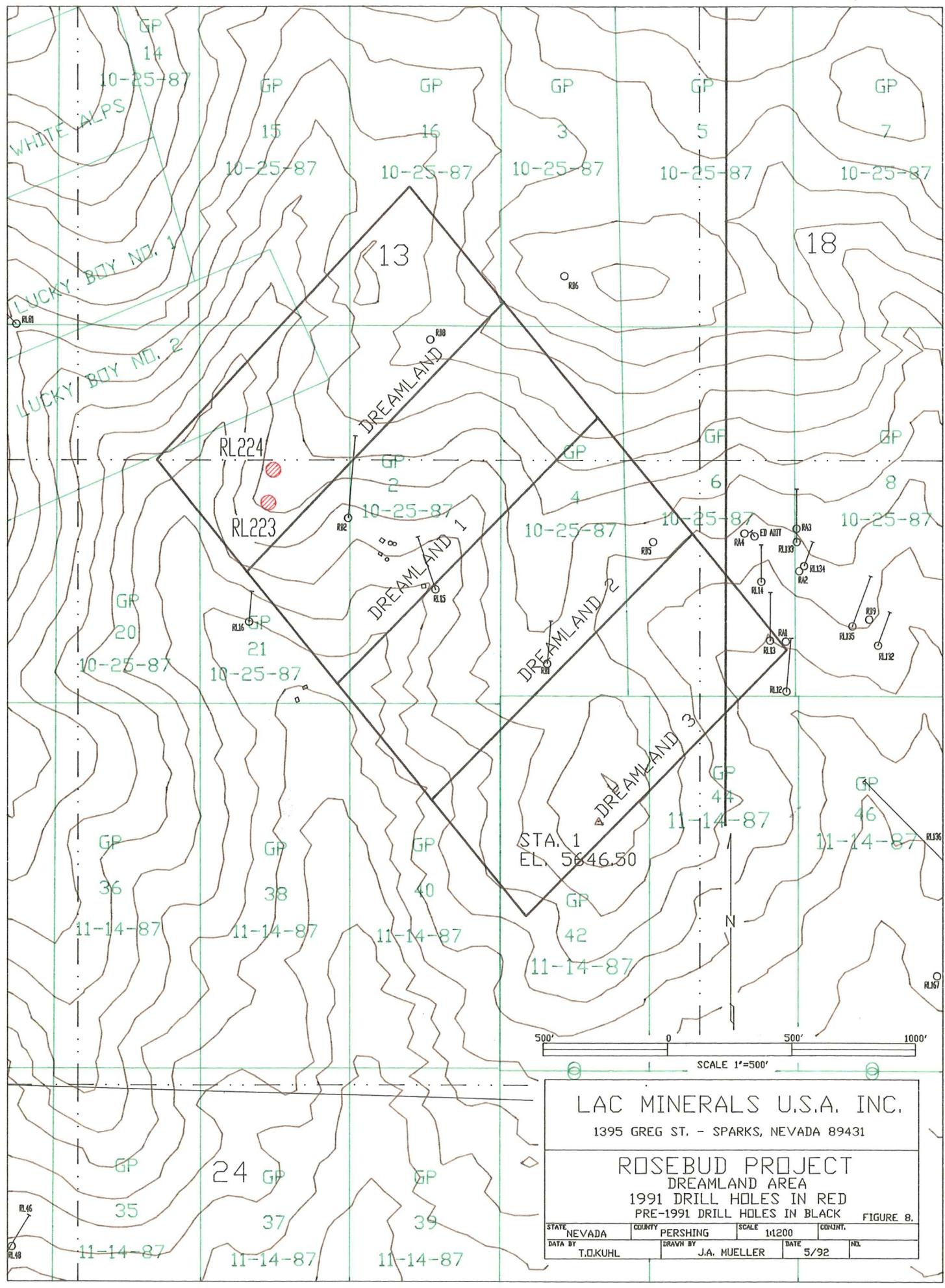
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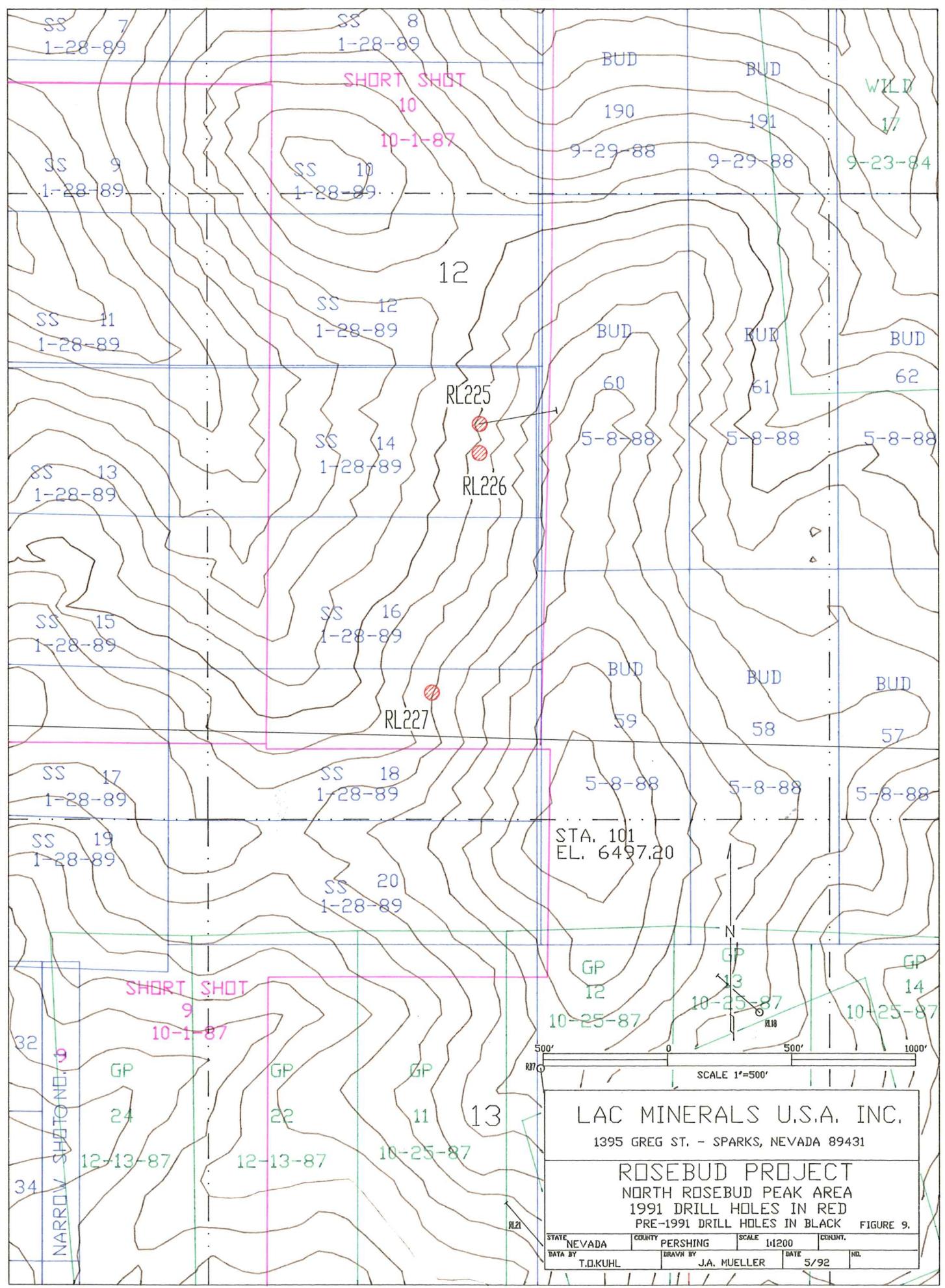
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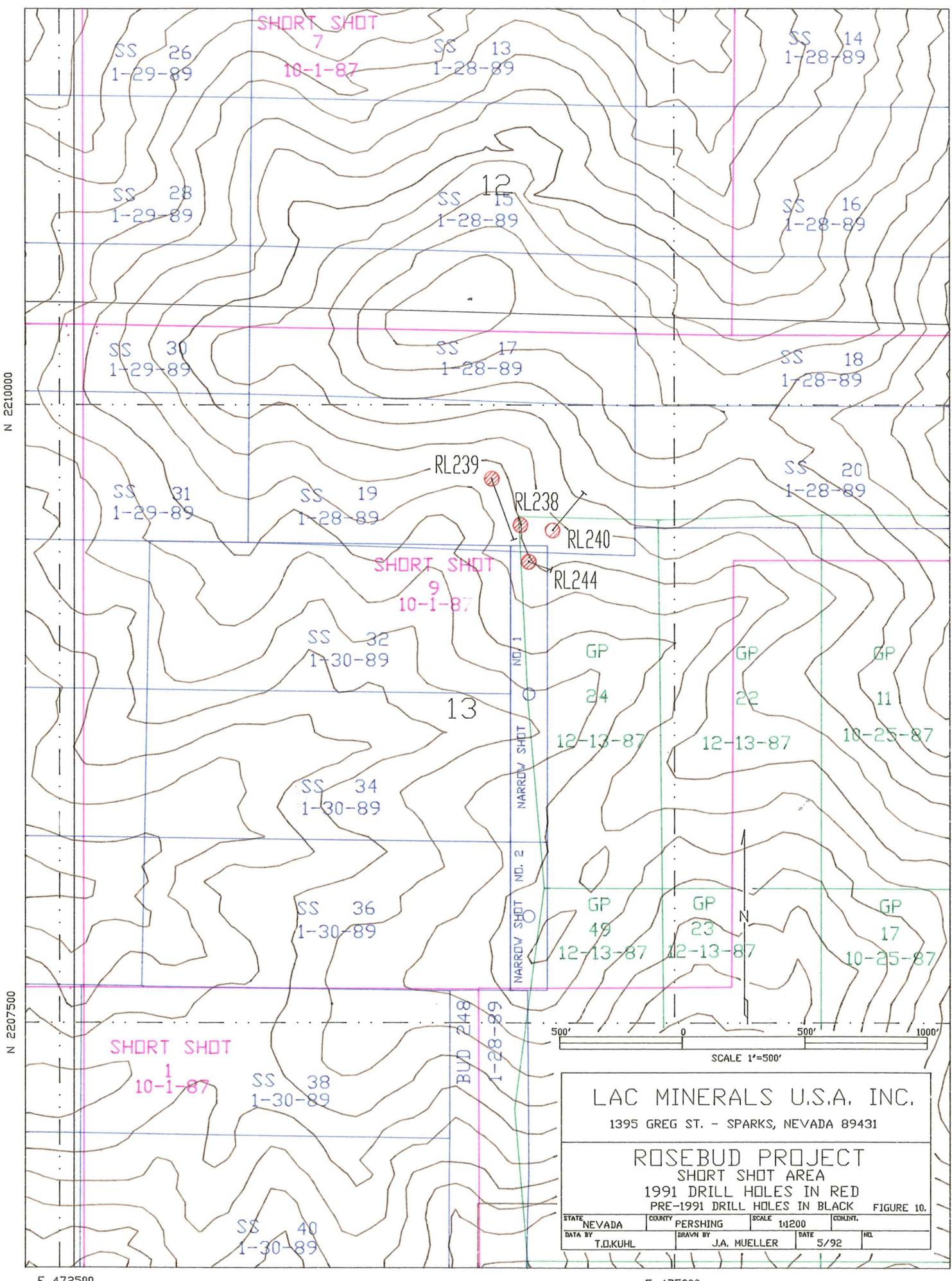




E 472500

R. 29 E.

E 475000



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ROSEBUD PROJECT  
SHORT SHOT AREA

1991 DRILL HOLES IN RED  
PRE-1991 DRILL HOLES IN BLACK

FIGURE 10.

STATE	NEVADA	COUNTY	PERSHING	SCALE	1:1200	CONTR.
DATA BY	T.O.KUHL	DRAWN BY	J.A. MUELLER	DATE	5/92	N.D.

TABLE 2: Breakdown of Dozer Hill drilling.

PROPERTY	# OF RC DRILL HOLES	RC FOOTAGE	# OF CORE DRILL HOLES	CORE FOOTAGE
DEGERSTROM	1	445		
EQUINOX	32	26,130	18	13,201
LAC	6	2,954	7	6,116
TOTALS	39	29,529	25	19,317

The initial drill hole for 1991, RL168, encountered 35 feet grading 1.303 opt Au in the drilled interval 555' to 590'. This drill hole confirmed the presence of significant mineralization in the East zone. Subsequent drilling in the East zone defined a potentially economic mineralized zone approximately 400 feet by 600 feet.

During 1991, drilling also was completed to further define the South and North areas of the Dozer Hill resource by testing areas which were identified as containing possible mineralization in the 1990 resource estimate.

#### Assaying

During 1991 all samples were analysed for Au and Ag at Bondar-Clegg, Sparks, Nevada using their 1 assay ton fire assay/AA finish method. Average cost for Bondar-Clegg during 1991 was \$11.95 per sample. In addition check assays were completed at Chemex Labs, Sparks, Nevada also using 1 assay ton fire assay/AA finish. Average cost for Chemex Labs during 1991 was \$12.48/sample.

#### 1991 Resource Estimate

A cross sectional resource calculation was generated for the Dozer Hill area in December, 1991. The cross-sections are spaced at 100 foot intervals and oriented N55W. Nominal cutoffs of 0.100 opt Au. and 0.050 opt AU over a minimum drill length of 10 feet were used in the resource calculation. Intercepts were picked from the drill hole cross sections and blocks of mineralization were drawn on the cross sections and the assays for the intercepts were accumulated in a Lotus 123 file. As individual sample intervals contain numerous check assays, the average of all assays for a sample interval was used as the assay value for that interval. Drill hole intercepts were then calculated by length weighting all samples comprising the intercept.

The Dozer Hill resource was subdivided into three areas based on continuity and host rock characteristics. The South area

TABLE 3a: SUMMARY RESOURCE CALCULATIONS FOR 0.100 OPT CUTOFF.

**SOUTH AREA** (HIGH CUT = 1.000 OPT AU)

	TONS	AU GRADE	OZ AU	CUT AU GRADE	CUT OZ GOLD	AG GRADE	OZ AG
DRILL INDICATED	790,100	0.337	266,619	0.262	207,165	2.828	2,301,200
DRILL INFERRED	30,500	0.177	5,391	0.177	5,391	0.800	9,070
<b>SUBTOTAL</b>	<b>820,600</b>	<b>0.331</b>	<b>272,010</b>	<b>0.259</b>	<b>212,556</b>	<b>2.817</b>	<b>2,310,270</b>

**NORTH AREA** HIGH CUT = 0.500 OPT AU)

	TONS	AU GRADE	OZ AU	CUT AU GRADE	CUT OZ GOLD	AG GRADE	OZ AG
DRILL INDICATED	352,000	0.212	74,605	0.181	63,653	3.285	1,156,480
DRILL INFERRED	86,900	0.112	9,708	0.112	9,708	0.133	11,545
<b>SUBTOTAL</b>	<b>438,900</b>	<b>0.192</b>	<b>84,313</b>	<b>0.167</b>	<b>73,361</b>	<b>2.661</b>	<b>1,168,025</b>

**EAST AREA** (HIGH CUT = 1.200 OPT AU)

	TONS	AU GRADE	OZ AU	CUT AU GRADE	CUT OZ GOLD	AG GRADE	OZ AG
DRILL INDICATED	603,300	0.379	228,542	0.314	189,734	3.378	2,037,707
DRILL INFERRED	31,300	0.190	5,958	0.190	5,958	0.632	19,768
<b>SUBTOTAL</b>	<b>634,600</b>	<b>0.370</b>	<b>234,500</b>	<b>0.308</b>	<b>195,692</b>	<b>3.242</b>	<b>2,057,475</b>

<b>TOTALS</b>	<b>1,894,100</b>	<b>0.312</b>	<b>590,823</b>	<b>0.254</b>	<b>481,609</b>	<b>2.924</b>	<b>5,535,770</b>
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TABLE 3b: SUMMARY DOZER HILL RESOURCE CALCULATIONS FOR 0.050 OPT CUTOFF.

**SOUTH AREA** (HIGH CUT = 1.000 OPT AU)

	TONS	AU GRADE	OZ AU	CUT AU GRADE	CUT OZ GOLD	AG GRADE	OZ AG
DRILL INDICATED	1,158,000	0.249	288,109	0.197	228,655	2.209	2,558,237
DRILL INFERRED	38,000	0.148	5,613	0.148	5,613	0.458	17,390
<b>SUBTOTAL</b>	<b>1,196,000</b>	<b>0.246</b>	<b>293,722</b>	<b>0.196</b>	<b>234,268</b>	<b>2.154</b>	<b>2,575,627</b>

**NORTH AREA** (HIGH CUT = 0.500 OPT AU)

	TONS	AU GRADE	OZ AU	CUT AU GRADE	CUT OZ GOLD	AG GRADE	OZ AG
DRILL INDICATED	640,300	0.145	92,691	0.128	81,738	2.072	1,326,759
DRILL INFERRED	99,700	0.105	10,476	0.105	10,476	0.122	12,185
<b>SUBTOTAL</b>	<b>740,000</b>	<b>0.139</b>	<b>103,167</b>	<b>0.125</b>	<b>92,214</b>	<b>1.809</b>	<b>1,338,944</b>

**EAST AREA** (HIGH CUT = 1.200 OPT AU)

	TONS	AU GRADE	OZ AU	CUT AU GRADE	CUT OZ GOLD	AG GRADE	OZ AG
DRILL INDICATED	1,152,500	0.227	261,065	0.193	222,257	2.284	2,631,761
DRILL INFERRED	35,000	0.177	6,187	0.177	6,187	0.177	6,190
<b>SUBTOTAL</b>	<b>1,187,500</b>	<b>0.225</b>	<b>267,252</b>	<b>0.192</b>	<b>228,444</b>	<b>2.221</b>	<b>2,637,951</b>
<b>TOTALS</b>	<b>3,123,500</b>	<b>0.213</b>	<b>664,141</b>	<b>0.178</b>	<b>554,926</b>	<b>2.098</b>	<b>6,552,522</b>

**TABLE 4: SUMMARY OF RESOURCE BY PROPERTY.**  
**(RESOURCE AT 10 FEET AT 0.100 OPT CUTOFF)**

**LAC PROPERTY**

AREA	TONS	UNCUT AU GRADE	OZ AU	CUT AU GRADE	CUT OZ AU	AG GRADE	OZ AG
SOUTH	156,000	0.297	46,280	0.235	36,663	0.502	78,335
NORTH	424,500	0.195	82,873	0.169	71,921	2.743	1,164,425
EAST	168,300	0.333	56,124	0.318	53,502	2.296	386,396
<b>TOTAL</b>	<b>748,800</b>	<b>0.247</b>	<b>185,277</b>	<b>0.216</b>	<b>162,086</b>	<b>2.176</b>	<b>1,629,156</b>

**EQUINOX JV PROPERTY**

AREA	TONS	UNCUT GRADE	OZ AU	CUT GRADE	CUT OZ AU		OZ AG
SOUTH	664,600	0.339	225,230	0.265	175,894	3.358	2,231,935
NORTH	14,400	0.100	1,440	0.100	1,440	0.250	3,600
EAST	466,300	0.383	178,376	0.305	142,191	3.584	1,671,079
<b>TOTAL</b>	<b>1,145,300</b>	<b>0.354</b>	<b>405,046</b>	<b>0.279</b>	<b>319,525</b>	<b>3.411</b>	<b>3,906,614</b>

**GRAND TOTAL**

	<b>1,894,100</b>	<b>0.312</b>	<b>590,323</b>	<b>0.254</b>	<b>481,611</b>	<b>2.923</b>	<b>5,535,770</b>
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comprises sections 00 to 1000N; the North area comprises sections 1100N to 1800N and hanging wall to the South Ridge Fault; and the East area comprises section 1200N to 2000N and footwall to the South Ridge Fault. To estimate a high cut value for each area, the assay data for the mineralized blocks were accumulated in a Lotus spread sheet. This file was sorted by area and a cumulative distribution was completed on the assay data for each area. Assay data exceeding the value of the 95th percentile for each area were cut to this value. Using this procedure the high cuts for the South, North, and East areas were determined to be 1.000 opt Au, 0.500 opt Au, and 1.200 opt Au respectively. Results of the resource calculation are presented in table 3. The division of Dozer Hill resource by property is summarized on table 4. A plan map displaying the extent of the mineralized bodies is presented in figure 12. Typical cross sections are presented in figures 13 and 14.

## GEOPHYSICS

With the help of the LAC's Geophysics Department, Denver, Colorado ground magnetics were completed in the Chance and Valley target areas.

Detailed VLF was also completed over the Dozer Hill area using Annapolis and Seattle transmitters on the north-south grid.

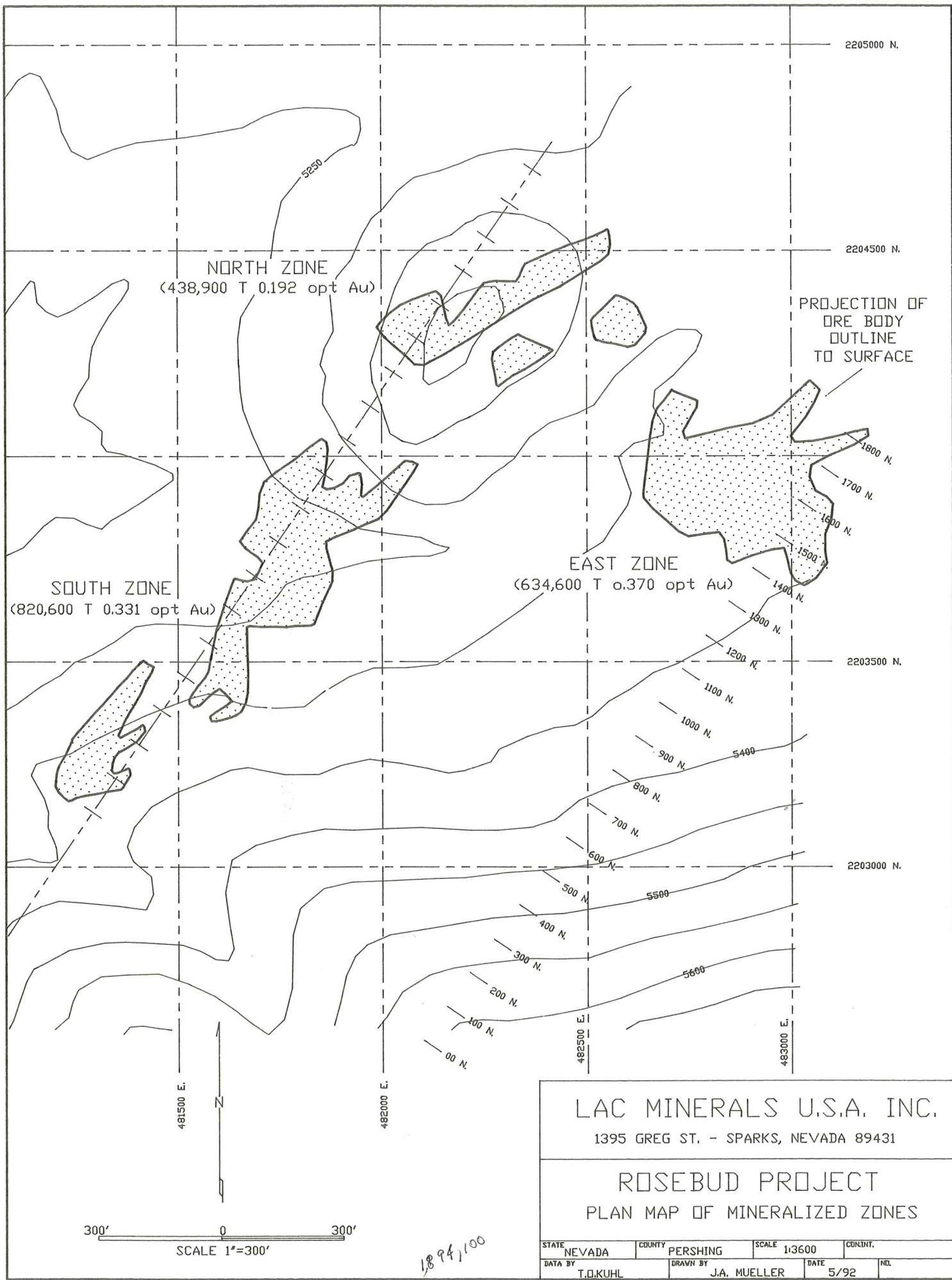
## METALLURGY

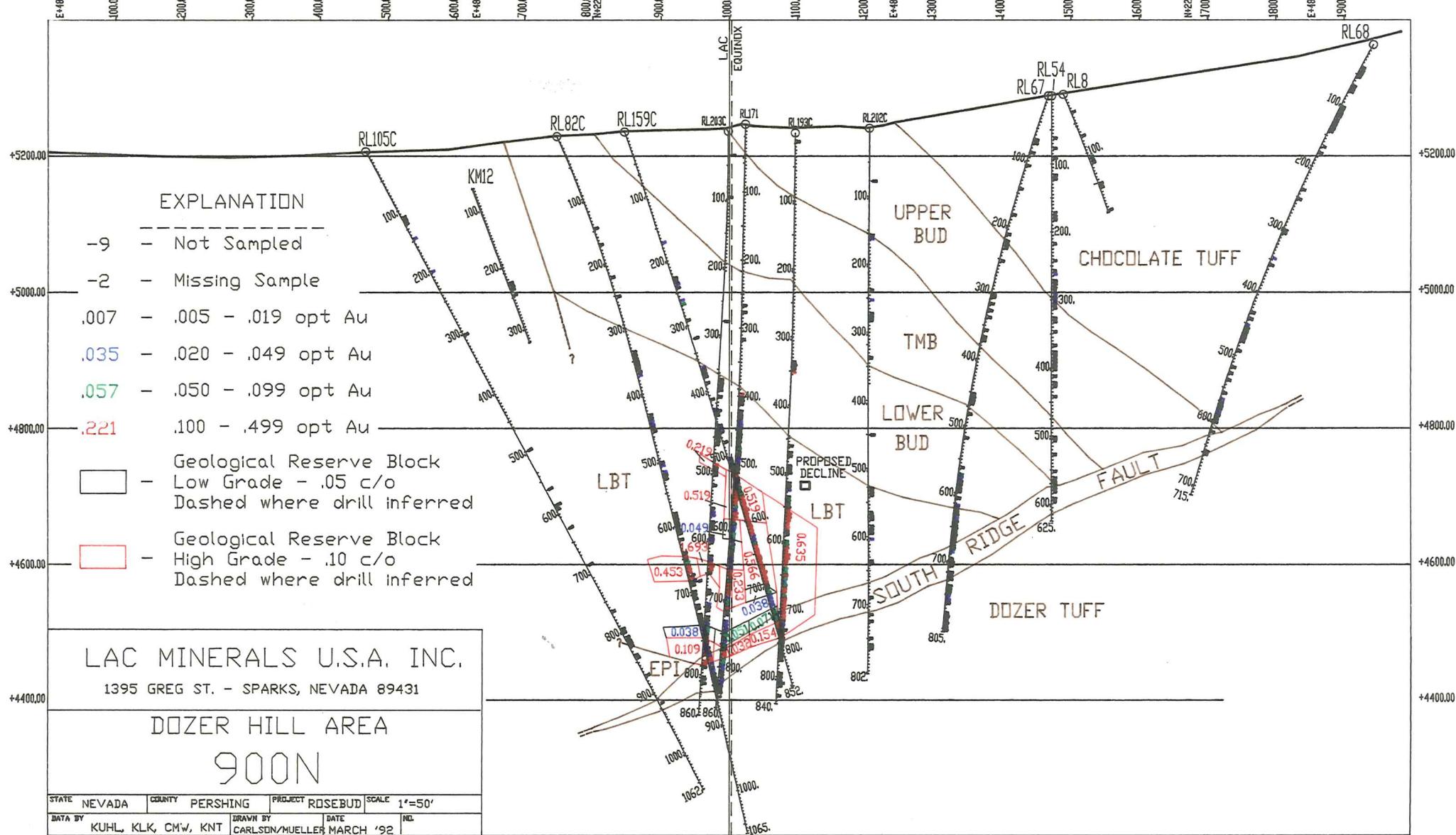
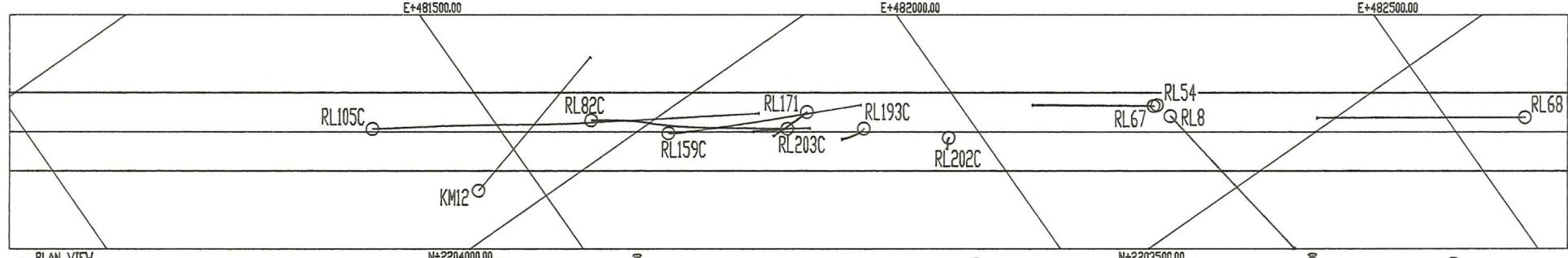
### Direct Cyanidation

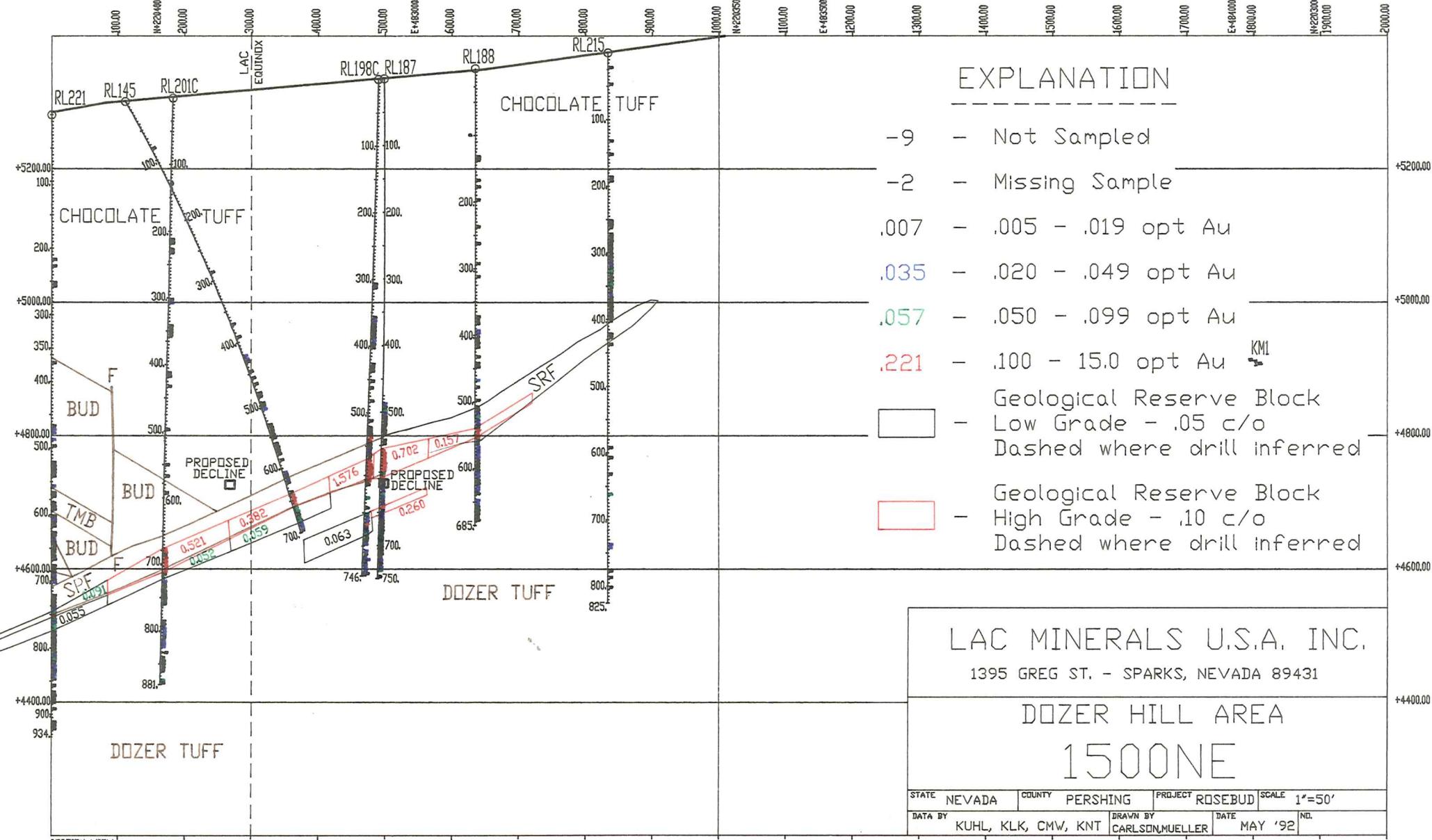
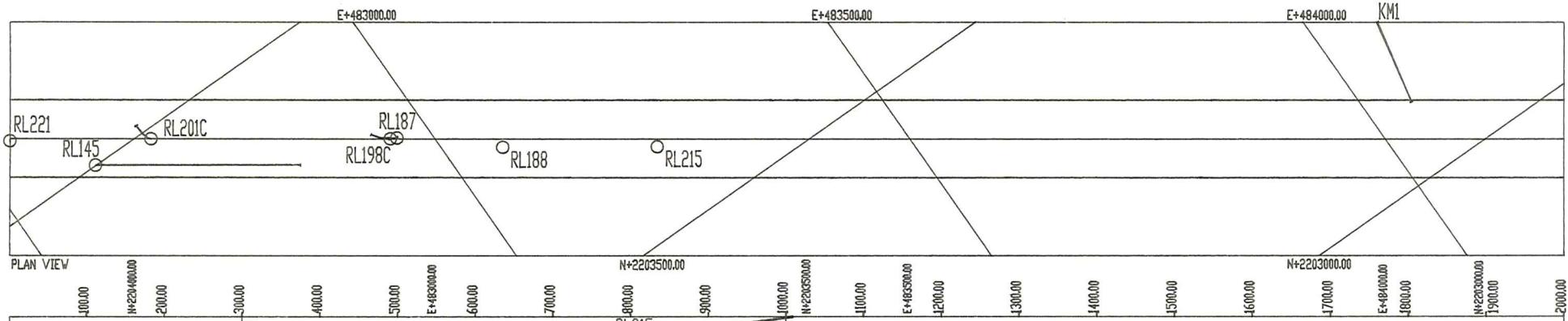
Metallurgical work during 1991 consisted of 12 bottle roll tests completed on drill whole composites throughout the Dozer Hill resource including the newly identified East Zone. The goal of the work was to acquire data throughout the Dozer Hill resource to determine if any additional problem areas similar to those identified in drill holes RL100C and RL104C during 1990 testing existed. Results of the 12 composites are presented in table 5. In general, the Rosebud core composites are readily amenable to direct agitated cyanidation treatment at a nominal 200 mesh feed. RL186 may represent an exception. Cyanide consumption was low to moderate ranging from 0.10 to 1.04 pounds per ton of ore, averaging 0.63 pounds per ton of ore. Lime requirements were low (3.2 to 5.9 pounds per ton of ore) to maintain leaching pH of 10.0 to 10.5. Silver recovery during the testing ranged from 27.9 to 86.2% and averaged 62.8% (McClelland, 1992).

### CIL/Cyanidation

In addition to the above testing, CIL/Cyanidation testing was completed on composites from drill holes RL100C and RL104C. In 1990, composites from these drill holes yielded low recoveries







during CIL testing, apparently the result of antimony being leached from the ore. Retesting these composites maintaining a lower pH (10.3 this year versus 11.0 used in 1990) was recommended. A second set of tests were completed on these composites to determine the effect of pre-aeration with oxygen and PbNO<sub>3</sub>. The overall results of this testing are presented in tables 6 and 7. The results were similar to those in 1990. Decreasing the pH from 11.0 to 10.3 did not decrease the amount of antimony reporting to solution in composite RL100C, but rather an increase was realized. This suggests that ore mineralogy may be different from what originally thought (McClelland, 1992).

## ENGINEERING

In the first quarter of 1991, Beacon Hill Consultants (BHC) were contracted to complete a pre-feasibility evaluation of the Dozer Hill resource. In the study, BHC evaluated the geological model, resource calculations, metallurgical data, developed conceptual mine plan and mill complex with estimated capital and operating costs, and completed cash flow and NPV calculations for the Dozer Hill resource. The results of the BHC study indicated that an economically viable mining venture may be achieved with a 2.2 million ton reserve grading 0.24 opt Au operated a 1000 tpd.

## PERMITTING

During 1991, several baseline studies were completed to provide data for permitting an underground exploration program at Dozer Hill.

Cedar Creek Associates of Golden, Colorado completed soils, wildlife, and vegetation baseline studies in the proposed areas which would be impacted by a mining operation at Dozer Hill. Nothing significant which would be detrimental to the project was determined.

Hydro-Geo Consultants of Lakewood, Colorado were contracted to characterize the groundwater in the Dozer Hill. A spring and seep survey was completed, exploration drill holes RL168, RL171, and RL174 were converted to monitoring wells, and a review of all hydrologic data collected during the exploration drilling was

completed. Hydro-Geo also completed a groundwater inflow study using the conceptual underground mine plan developed by Beacon Hill Consultants. The study was completed with dropping head permeability tests of the monitoring wells, packer pressure permeability tests conducted on RL247, and review of RQD data and geologic interpretations. The inflow study estimates a sustained flow of 300 gpm (assuming a grouting program) will need to be discharged from the decline.

Archeology coverage was expanded to the west and northwest to the boundaries of the Plan of Operations. One area of potential importance was identified in the Chance area. As we foresee no future activity in that area, no follow up work was completed. Should any future exploration activity take place in this area a follow up program will need to be completed.

#### RESULTS OF THE 1991 EXPLORATION PROGRAM

During 1991, a total of six satellite targets were drill tested (figure 15). The drilling is summarized in table 6.

TABLE 8: Summary of exploration drilling by property.

PROPERTY	# OF RC HOLES	FOOTAGE DRILLED
CHANCE	1	595
CHANCE JV	5	2,990
DEGERSTROM	4	2,035
DREAMLAND	2	1,265
NORTH ROSEBUD PEAK	3	1,460
SHORT SHOT	4	1,600
TOTALS	19	9,645

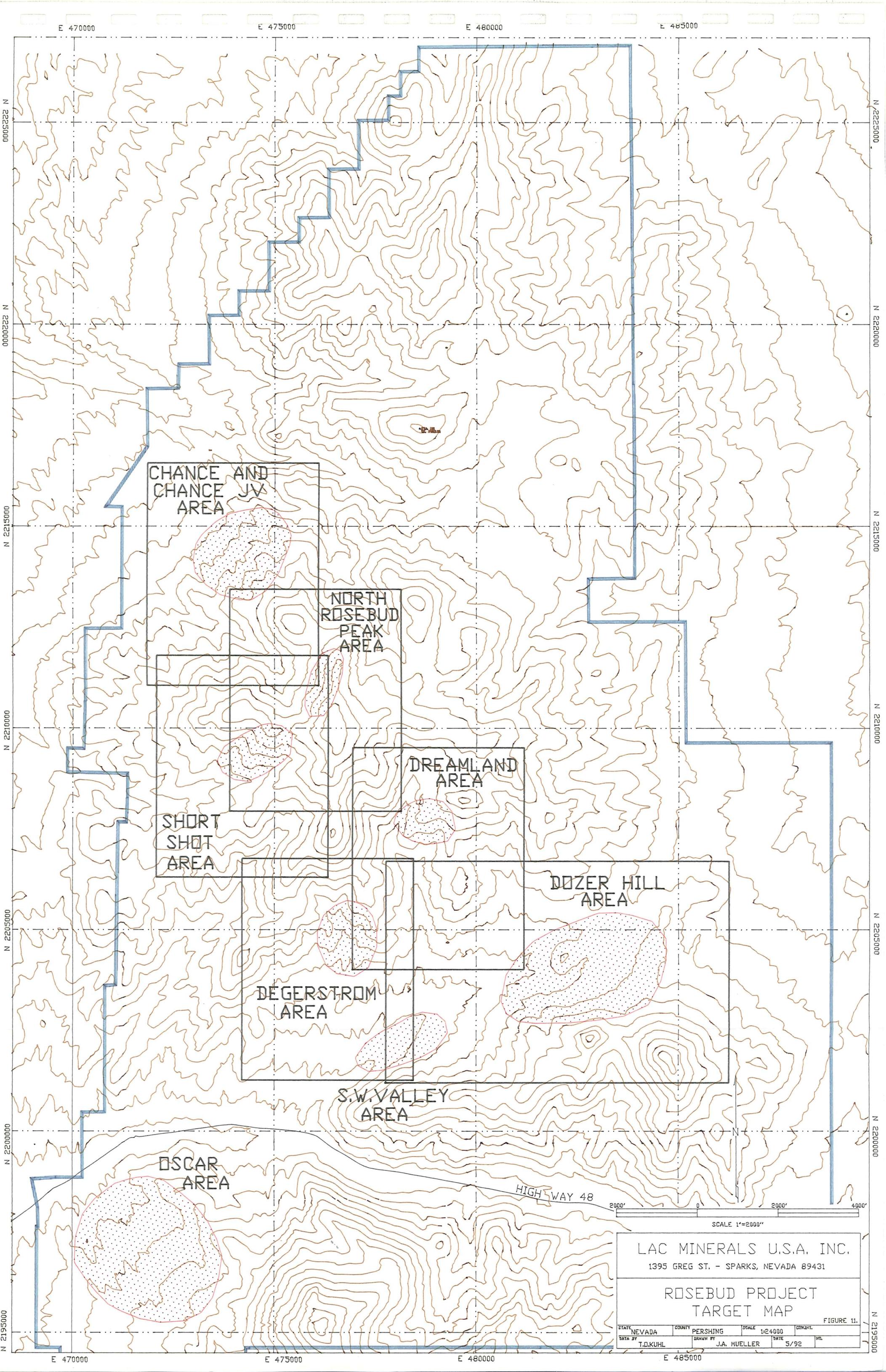
#### Chance

Six reverse circulation drill holes (3,585 feet) were completed in the Chance target (figure 7). The Chance area was reevaluated with respect to the current mineralization model at Dozer Hill. A series of low to moderate angle westerly dipping faults were mapped in the Chance area. Drill holes were targeted to test these structures. RL228 was drilled to offset mineralization encountered in drill holes RL113 and RL153 (completed in 1990). No significant mineralization was encountered.

Because of the lack of encouraging results from the 1991 drilling and the lack of continuity of the mineralization encountered in the RL113/153, LAC chose not to proceed with the Chance Joint Venture and these claims were returned to BEMA.

#### Degerstrom

Four reverse circulation drill holes were completed in the Degerstrom target for a total of 2,035 feet (figure 8). The Degerstrom target was reevaluated using the Dozer Hill and



Dreamland models for mineralization. The most prominent structural feature in the Degerstrom target is a low to moderate angle southwesterly dipping fault. Also present is an IP chargeability anomaly coincident with a magnetic field low (Walck, 1991).

Two drill holes, RL234 and RL235 tested an IP anomaly. Favorable alteration was encountered but gold values were negligible. Drill holes RL236 and RL237 were targeted at the low-angle west dipping Degerstrom structure. RL236, an offset of drill holes RL46 and RL48, intercepted the Degerstrom structure at 60 feet and encountered 5 feet of 0.010 opt AU. RL237 was targeted to intercept the same structure downdip. An intercept with anomalous gold, including 15 feet (230-245') grading 0.014 opt Au, was encountered in the hanging wall of the structure.

#### Dreamland

Two reverse circulation drill holes (1,165 feet) were completed in the Dreamland target (figure 9). The first 250 feet of both drill holes encountered brecciated, bleached, silicified rock but gold values were only weakly anomalous. These holes tested the heart of the Dreamland target. Remaining untested ground exists in the Lucky Boy area to the west and a possible deep target. These targets will need to be reevaluated prior to more drilling on the property. The option period for the Dreamland patented claims matures mid-year 1993.

#### North Rosebud Peak

Three reverse circulation drill holes (1,460 feet) were completed in the North Rosebud Peak area (figure 10). RL225 and RL226 were targeted to intersect a west dipping low angle structure. The structure was encountered very shallow depths indicating the west slope of North Rosebud Peak is essentially a dip slope. No gold values were encountered and no further drilling was recommended. A third drill hole (RL227) was targeted at a east-west structural zone through the Rosebud Peak area. Anomalous gold was encountered (0.00X opt). This target may still have merit and it will be reevaluated.

#### Short Shot

Four reverse circulation drill holes (1,600 feet) were completed in the Short Shot area (figure 11). Anomalous gold has been sampled at the surface from narrow alteration envelopes associated with east-west and northeasterly trending structures. Drilling was targeted at the higher geochem anomalies along these structures and three of the drill holes encountered weakly

anomalous gold values (0.00X opt). As the drill results were not encouraging, no further work was recommended on this target.

#### **PROPOSED 1992 EXPLORATION PROGRAM**

The 1992 Rosebud program will emphasize closing off known mineralization in the Dozer Hill area and testing geologic targets in the Dozer Hill area which could significantly increase the gold resource inventory. These geologic targets include:

- 1) Potential feeder zones below the east zone. Northwesterly striking faults are proximal to high grade mineralization in the East zone. Drilling to date (vertical or angle direct southeasterly) has not adequately tested these northwesterly faults. A high grade feeder zone could substantially increase the East zone resource.
- 2) Based on the assumption the high grade mineralization in the 900N area is faulted off, (supported by high grade mineralization in hanging wall and negligible mineralization in footwall) the other half of the 900N zone may be present in the footwall. Preliminary reconstruction suggests the footwall has not been adequately tested.
- 3) Northwesterly striking structures through the South area represent a geologic target to the northwest below an epiclastic unit which has been encountered in some drill holes in the South area.
- 4) Zones between northwesterly striking faults have not been fully tested for high grade mineralization similar to that present on section 900N.

A pre-feasibility study to determine the viability of the project will be completed by mid-June. The permitting effort will continue with the goal to acquire all permits necessary to begin an underground exploration program in the fall, 1992.

Because of the lack of success on satellite targets during 1991, the exploration effort will be redirected in 1992 to targets proximal to the Rosebud Shear, predominantly the Southwest Valley target and Oscar (figure 15). Work will also need to be completed on the Degerstrom GP claims to fulfill earn-in requirements.

## REFERENCES

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- Hydro-Geo Consultants, Inc., 1992, Preliminary Hydrogeologic Study, Rosebud Project.
- Kuhl, T.O., 1992, Rosebud Project 1991 Resource Calculations.
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- Moore, S.C., 1991, Rosebud Structural Study, Rosebud Project, Pershing County, Nevada.
- Peak and Associates, Inc., 1991, Cultural Resource Class 3 Inventory of LAC Minerals (U.S.A.), Inc. Chance Claim Exploratory Areas, Pershing County, Nevada. Job #91-73.

Table 1: Stratigraphic Column - Dozer Hill Area, Rosebud Project.

Abbreviation	Description
Bt	<b>Badger:</b> Gray to red cobble and boulder-bearing beds of debris-flow breccias and fanglomerates.
Ct	<b>Chocolate Tuff:</b> Maroon and grey moderately welded fine grained tuff, lithic tuff and volcanic breccia. 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	<p><b>Bud Breccia:</b></p> <p>Upper Bud - Green to locally brown crudely bedded, poorly sorted lithic lapilli tuff and volcanic breccia. Baribaly glauconitic. Bleached when altered.</p> <p>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.</p> <p>Lower Bud - Usually green well bedded lithic lapilli tuff and epiclastic rocks with abundant green glauconite.</p>
LBT	<b>LBT:</b> Red-brown, 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    | <b>Dozer Tuff:</b> Pale Green to grey fine-grained densely welded tuff. Lacks visible phenocrysts, Bleached when altered.                                                       |
| Trans | <b>Transitional Sediments:</b> Locally occurring basal Tertiary sediments composed of thinly bedded grey to black siltstone and sandstone derived from Mesozoic basement rocks. |

~~~~~Unconformity~~~~~

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

TABLE 5: Results of 1991 bottle roll tests, Rosebud Project.

| COMPOSITE | DRILL HOLE | CALCULATED HEAD ASSAY<br>(opt Au) | TAIL ASSAY<br>(opt Au) | RECOVERY |
|-----------|------------|-----------------------------------|------------------------|----------|
| 1         | RL168      | 1.166                             | 0.081                  | 93.1%    |
| 2         | RL170      | 0.160                             | 0.022                  | 87.7%    |
| 3         | RL193C     | 1.065                             | 0.029                  | 97.3%    |
| 4         | RL193C     | 3.461                             | 0.240                  | 93.1%    |
| 5         | RL193C     | 0.297                             | 0.013                  | 95.6%    |
| 6         | RL195C     | 0.163                             | 0.007                  | 95.7%    |
| 7         | RL123C     | 0.598                             | 0.026                  | 95.7%    |
| 8         | RL57       | 1.064                             | 0.092                  | 91.4%    |
| 9         | RL130C     | 0.460                             | 0.027                  | 94.1%    |
| 10        | RL186      | 0.194                             | 0.040                  | 79.4%    |
| 11        | RL198C     | 1.681                             | 0.098                  | 94.2%    |
| 12        | RL201C     | 0.482                             | 0.029                  | 94.0%    |

**TABLE 6: Results of 1991 CIL/CN testing, Rosebud Project.**

| Composite | CALCULATED<br>HEAD ASSAY<br>(opt Au) | TAIL ASSAY<br>(opt Au) | RECOVERY<br>CIL/CN |
|-----------|--------------------------------------|------------------------|--------------------|
| RL100C    | 0.205                                | 0.032                  | 84.4%              |
| RL104C    | 0.184                                | 0.033                  | 82.1%              |

**TABLE 7: Results of CIL/CN testing with pre-aeration  
and PbNO<sub>3</sub>, Rosebud Project.**

| Composite | CALCULATED<br>HEAD ASSAY<br>(opt Au) | TAIL ASSAY<br>(opt Au) | RECOVERY<br>w/PbNO <sub>3</sub> |
|-----------|--------------------------------------|------------------------|---------------------------------|
| RL100C    | 0.153                                | 0.028                  | 81.7%                           |
| RL104C    | 0.196                                | 0.041                  | 79.1%                           |

## 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  |
|--------------------|------|-------------------------|---|---|--|
| <hr/>              |      |                         |   |   |  |
| <b>DOZER HILL:</b> |      |                         |   |   |  |
| RL-1               | 565  | VERT.                   | 15-20'/5'<br>25-30'/5'<br>275-280'/5'<br>325-335'/10'<br>345-375'/30'<br>385-390'/5'  | 0.036<br>0.096<br>0.046<br>0.015<br>0.016<br>0.019                            | -0.10<br>0.11<br>-0.10<br>-0.10<br>0.08<br>-0.10                           |
| RL-2               | 820  | VERT.                   | 50-55'/5'<br>315-320'/5'<br>385-390'/5'   | 0.013<br>0.010<br>0.016   | -0.10<br>0.27<br>0.15  |
| RL-3               | 505  | VERT.                   | 35-40'/5'<br>95-100'/5'<br>175-180'/5'<br>220-355'/135'<br>including<br>220-275'/55'<br>225-250'/25'  | 0.011<br>0.015<br>0.010<br>0.064<br>0.119<br>0.224                            | -0.10<br>-0.10<br>-0.10<br>0.15<br>0.26<br>0.47                            |
| RL-4               | 585  | S40E/-60                | 5-10'/5'<br>155-160'/5'<br>175-180'/5'<br>195-200'/5'<br>205-230'/25'<br>270-275'/5'<br>285-290'/5'<br>310-315'/5'<br>320-325'/5'                 | 0.012<br>0.010<br>0.010<br>0.016<br>0.040<br>0.016<br>0.026<br>0.047<br>0.012 | -0.10<br>-0.10<br>-0.10<br>0.10<br>0.55<br>-0.10<br>-0.10<br>-0.10<br>0.30 |
| RL-5               | 780  | S05E/-58                | 225-230'/5'<br>360-365'/5'<br>370-525'/155'<br>including<br>375-435'/60'<br>525-780'/255'<br>(Poss. Contam. 435-525')<br>(Prob. Contam. 525-780') | 0.020<br>0.013<br>0.168<br>0.176<br>0.073                                     | 0.10<br>0.11<br>3.13<br>4.24<br>1.86                                       |

Appendix 1 cont.

|                      |                    |          |   |  |   |
|----------------------|--------------------|----------|---|--|---|
| RL-6                 | 492                | S13W/-59 | 80-85'/5'<br>180-185'/5'<br>445-485'/40'  | 0.013<br>0.023<br>0.016  | -0.10<br>-0.10<br>0.11  |
| Lost                 |                    |          |   |  |   |
| RL-7                 | 620                | S39E/-58 | 40-45'/5'   | 0.020  | -0.10   |
| RL-8                 | 680                | S08E/-58 | 30-35'/5'<br>110-115'/5'<br>150-160'/10'<br>260-265'/5'<br>285-290'/5'<br>430-435'/5'<br>445-510'/65'<br>530-535'/5'<br>575-585'/10'<br>600-605'/5' | 0.014<br>0.089<br>0.012<br>0.067<br>0.011<br>0.015<br>0.036<br>0.011<br>0.013<br>0.012 | -0.10<br>0.12<br>-0.10<br>-0.10<br>0.10<br>0.10<br>0.34<br>-0.10<br>0.11<br>-0.10 |
| RL-9                 | 700                | VERT.    | 125-130'/5<br>305-310'/5'   | 0.014<br>0.049   | -0.10<br>0.80   |
| RL-10C               | 832<br>(232' core) | S36E/-58 | 325-330'/5'<br>335-340'/5'<br>400-405'/5'<br>425-430'/5'<br>455-460'/5'<br>475-480'/5'<br>510-595'/85'<br>including<br>525-540'/15'                 | 0.011<br>0.014<br>0.041<br>0.014<br>0.011<br>0.012<br>0.020<br>0.047                   | -0.10<br>-0.10<br>0.10<br>-0.10<br>0.10<br>-0.10<br>0.02<br>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'<br>365-370'/5'   | 0.027<br>0.013   | 1.51<br>-0.10   |
| RL-13                | 385                | N00E/-60 | NIL   |  |   |
| RL-14                | 285                | N00E/-60 | NIL   |  |   |
| <b>DREAMLAND:</b>    |                    |          |   |  |   |
| -----                | -----              | -----    | -----   | -----  | -----   |
| RL-15                | 445                | N19W/-60 | NIL   |  |   |
| RL-16                | 300                | N05E/-66 | NIL   |  |   |

## Appendix 1 cont.

### DOZER HILL:

|        |                     |          |  |  |  |
|--------|---------------------|----------|--|--|--|
| RL-17C | 1065<br>(460' core) | S36E/-67 | 215-225'/10'<br>260-265'/5'<br>510-515'/5'<br>530-535'/5'<br>639-654'/15'<br>722.5-726'/3.5'<br>740-795'/55'<br>including<br>765-790'/25'<br>833-838.5'/5.5' | 0.013<br>0.034<br>0.013<br>0.046<br>0.02<br>0.016<br>0.049<br>0.075<br>0.047 | 0.01<br>0.19<br>0.18<br>0.24<br>0.07<br>-0.1<br>0.16<br>0.24<br>0.17 |
|--------|---------------------|----------|--|--|--|

### WHITE ALPS:

|       |             |          |  |                                  |                              |
|-------|-------------|----------|--|----------------------------------|------------------------------|
| RL-18 | 465<br>Lost | N49W/-61 | 275-285'/10'   | 0.021                            | 1.87                         |
| RL-19 | 445<br>Lost | N70W/-60 | 20-25'/5'<br>75-80'/5'<br>120-135'/15'<br>195-215'/20' | 0.016<br>0.013<br>0.016<br>0.052 | 0.25<br>0.52<br>1.13<br>1.04 |
| RL-20 | 625         | VERT.    | 150-155'/5'<br>375-380'/5'<br>395-400'/5'              | 0.010<br>0.011<br>0.016          | 1.24<br>0.50<br>0.36         |
| RL-21 | 645         | N41W/-58 | 550-555'/5'<br>560-565'/5'<br>570-575'/5'              | 0.015<br>0.012<br>0.011          | -0.10<br>-0.10<br>-0.10      |

### DOZER HILL:

|       |     |       |   |   |   |
|-------|-----|-------|---|---|---|
| RL-22 | 700 | VERT. | 265-270'/5'<br>355-360'/5'<br>370-375'/5'<br>395-540'/145'<br>including<br>395-450'/55'<br>410-445'/35'<br>565-580'/15' | 0.041<br>0.023<br>0.017<br>0.075<br>0.159<br>0.231<br>0.012 | 0.16<br>-0.10<br>0.27<br>1.93<br>4.62<br>7.04<br>0.09 |
| RL-23 | 660 | VERT. | 175-180'/5'<br>340-345'/5'<br>360-420'/60'<br>including<br>390-405'/15'   | 0.013<br>0.014<br>0.028<br>0.084                            | 0.13<br>-0.10<br>0.85<br>1.77                         |

Appendix 1 cont.

|             |     |           |               |       |       |
|-------------|-----|-----------|---------------|-------|-------|
| RL-23 cont. |     |           | 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 |               |       |       |
|             |     |           | 325-340'/15'  | 0.149 | 0.79  |
|             |     |           | 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  |
|             |     |           | 560-570'/10'  | 0.020 | 0.09  |
|             |     |           | 620-625'/5'   | 0.010 | -0.10 |
| 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 |               |       |       |
|             |     |           | 435-480'/45'  | 0.130 | 2.69  |
|             |     |           | 555-560'/5'   | 0.010 | -0.10 |
|             |     |           | 575-580'/5'   | 0.032 | -0.10 |
| RL-28       | 485 | S02E/-58  | 245-250/5'    | 0.061 | 0.96  |
|             |     |           | 265-275'/10'  | 0.016 | 0.54  |
|             |     |           | 410-415'/5'   | 0.010 | -0.10 |
| RL-29       | 505 | S02W/-59  | 290-295'/5'   | 0.010 | -0.10 |
| RL-30       | 365 | S02W/-59  | 20-25'/5'     | 0.010 | -0.10 |
|             |     |           | 110-115'/5'   | 0.028 | -0.10 |
| RL-31       | 512 | VERT.     | 265-270'/5'   | 0.018 | -0.10 |
|             |     |           | 395-400'/5'   | 0.048 | 0.23  |
|             |     |           | 480-490'/10'  | 0.011 | 0.38  |

Appendix 1 cont.

|       |      |          |  |  |  |
|-------|------|----------|--|--|--|
| 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  | VERT.    | 205-210'/5'  | 0.013  | 0.28   |
|       | Lost |          | 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>0.011<br>0.056<br><br>0.120<br>0.020<br>0.019                                 | -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'<br>175-180'/5'<br>200-205'/5'<br>225-230'/5'<br>305-315'/10'<br>325-340'/15'<br>400-410'/10'<br>460-485'/25'    | 0.025<br>0.011<br>0.018<br>0.013<br>0.013<br>0.015<br>0.033<br>0.014<br>0.025<br>0.033 | -0.10<br>-0.10<br>-0.10<br>-0.10<br>-0.10<br>-0.10<br>0.28<br>-0.10<br>-0.10<br>0.14 |
| RL-38 | 296  | VERT.    | NIL  |  |  |
|       | Lost |          |  |  |  |
| RL-39 | 370  | VERT.    | 55-60'/5'<br>125-130'/5'<br>135-140'/5'<br>155-160'/5'   | 0.015<br>0.011<br>0.014<br>0.010   | -0.10<br>-0.10<br>-0.10<br>0.11  |

**Appendix 1 cont.**

|        |     |          |   |   |  |
|--------|-----|----------|---|---|--|
| RL-40C | 610 | S04E/-58 | 395-400'/5'<br>411-466.5'/55.5'<br>including<br>439.5-463'/23.5'<br>510.5-513.5'/3'   | 0.020<br>0.055<br>0.105<br>0.010                            | 0.46<br>1.31<br>2.06<br>-0.10                            |
| RL-41C | 624 | S65E/-67 | 416.5-483'/66.5'<br>including<br>416.5-436'/19.5'<br>474-483'/9'<br>523-528'/5'<br>553-558'/5'<br>563-573'/10'<br>573-576.5'/3.5' | 0.233<br>0.271<br>1.090<br>0.013<br>0.013<br>0.308<br>0.016 | 7.26<br>13.18<br>28.88<br>-0.10<br>0.16<br>2.77<br>-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'<br>240-245'/5' | 0.028<br>0.014 | 0.02<br>0.04 |

**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'<br>185-190'/5'<br>200-205'/5'                 | 0.025<br>0.015<br>0.030          | 0.11<br>0.12<br>-0.10        |
| RL-51 | 510 | VERT. | 305-310'/5'<br>335-345'/10'<br>390-395'/5'<br>400-405'/5' | 0.018<br>0.113<br>0.015<br>0.017 | 0.11<br>0.32<br>0.31<br>0.13 |

Appendix 1 cont.

|                |     |          |  |       |       |
|----------------|-----|----------|--|-------|-------|
| RL-52C         | 570 | S79E/-64 | 367-453'/86'<br>including<br>387-428'/41'<br>399-423'/24'  | 0.069 | 0.98  |
| RL-53          | 470 | VERT.    | 325-330'/5'<br>335-340'/5'<br>360-470'/110'<br>405-470'/65'  | 0.010 | -0.10 |
| RL-54          | 625 | VERT.    | 170-175'/5'<br>215-220'/5'<br>240-245'/5'<br>255-265'/10'<br>280-305'/25'<br>325-330'/5'<br>365-370'/5'<br>395-400'/5'   | 0.017 | 0.25  |
|                |     |          |  | 0.011 | 0.10  |
|                |     |          |  | 0.018 | 0.14  |
|                |     |          |  | 0.022 | -0.10 |
|                |     |          |  | 0.015 | -0.10 |
|                |     |          |  | 0.018 | -0.10 |
|                |     |          |  | 0.014 | -0.10 |
|                |     |          |  | 0.015 | -0.10 |
| RL-55C         | 692 | S52E/-76 | 290-300'/10'<br>335-340'/5'<br>355-360'/5'<br>378-382'/4'<br>396-447'/51'<br>including<br>396-412'/16'<br>427-447'/20'<br>455-460'/5'<br>514-549'/35'<br>including<br>524-544'/20' | 0.057 | -0.10 |
|                |     |          |  | 0.044 | 0.25  |
|                |     |          |  | 0.021 | 0.16  |
|                |     |          |  | 0.010 | -0.10 |
|                |     |          |  | 0.034 | 0.07  |
|                |     |          |  | 0.050 | 0.06  |
|                |     |          |  | 0.047 | 0.12  |
|                |     |          |  | 0.024 | 0.13  |
|                |     |          |  | 0.259 | 2.05  |
|                |     |          |  | 0.467 | 3.36  |
| <b>VALLEY:</b> |     |          |  |       |       |
| RL-56          | 450 | VERT.    | 55-105'/50'<br>145-150'/5'<br>285-295'/10'   | 0.014 | 0.82  |
|                |     |          |  | 0.015 | -0.10 |
|                |     |          |  | 0.046 | -0.10 |

**SUBTOTALS:**

|      |             |                       |
|------|-------------|-----------------------|
| 1989 | 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   |
|--------------------|--------------|-------------------------|--|---|---|
| <hr/>              |              |                         |  |   |   |
| <b>DOZER HILL:</b> |              |                         |  |   |   |
| RL-57              | 745          | S55E/-61                | 225-230'/5'<br>410-415'/5'<br>450-470'/20'<br>520-650'/130'<br>including<br>550-585'/35'<br>675-695'/20'   | 0.016<br>0.028<br>0.039<br>0.220<br>0.714<br>0.016  | -0.10<br>-0.10<br>-0.10<br>0.35<br>1.27<br>-0.10  |
| RL-58              | 645          | S55E/-45                | 185-190'/5'<br>255-270'/15'<br>320-325'/5'<br>355-365'/10'<br>430-435'/5'<br>480-490'/10'<br>505-600'/95'  | 0.011<br>0.016<br>0.010<br>0.026<br>0.035<br>0.014<br>0.025   | -0.10<br>0.05<br>-0.10<br>0.16<br>0.14<br>-0.10<br>0.41   |
| RL-59              | 405          | S55E/-63                | 245-250'/5'<br>Lost<br>285-290'/5'<br>300-320'/20'<br>345-385'/40'   | 0.015<br>0.011<br>0.014<br>0.017  | 0.48<br>-0.10<br>0.13<br>0.03   |
| RL-60              | 615          | S55E/-63                | 330-335'/5'<br>380-450'/70'<br>including<br>415-430'/15'<br>475-480'/5'<br>505-575'/70'  | 0.017<br>0.074<br>0.261<br>0.015<br>0.036   | 2.20<br>0.44<br>1.85<br>-0.10<br>1.08   |
| RL-61              | 945          | N55W/-63                | 325-355'/30'<br>385-410'/25'<br>425-440'/15'<br>460-465'/5'<br>510-515'/5'<br>620-625'/5'<br>675-780'/105'<br>including<br>705-720'/15'<br>800-830'/30'<br>855-860'/5'<br>890-900'/10'<br>915-920'/5'<br>930-935'/5' | 0.015<br>0.030<br>0.014<br>0.014<br>0.023<br>0.010<br>0.024<br>0.066<br>0.015<br>0.010<br>0.083<br>0.024<br>0.031 | 0.02<br>0.05<br>0.07<br>-0.10<br>-0.10<br>0.12<br>0.08<br>0.11<br>0.07<br>-0.10<br>0.12<br>-0.10<br>-0.10 |

Appendix 2

|        |                     |                       |   |   |  |
|--------|---------------------|-----------------------|---|---|--|
| RL-62  | 510                 | S55E/-45              | 165-175'/10'<br>290-295'/5'<br>345-355'/10'<br>440-445'/5'<br>485-490'/5'<br>495-500'/5'                                  | 0.035<br>0.011<br>0.014<br>0.026<br>0.026<br>0.016  | 0.06<br>-0.10<br>0.15<br>0.32<br>-0.10<br>-0.10                                      |
| RL-63  | 325                 | S31E/-45              | 115-120'/5'<br>170-180'/10'   | 0.052<br>0.050  | -0.10<br>0.51  |
| RL-64  | 335                 | S70E/-50              | 175-190'/15'  | 0.013   | -0.10  |
| RL-65  | 580                 | S55E/-65<br>including | 335-420'/85'<br>355-375'/20'<br>450-560'/110'   | 0.038<br>0.076<br>0.020   | 0.75<br>0.43<br>0.25   |
| RL-66  | 525                 | S52E/-61              | 370-375'/5'<br>380-385'/5'<br>400-480'/80'<br>including   | 0.011<br>0.010<br>0.045<br>0.151  | -0.10<br>-0.10<br>1.69<br>6.63   |
| RL-67  | 805                 | N55W/-69              | 140-145'/5'<br>210-215'/5'<br>230-235'/5'<br>450-455'/5'<br>560-595'/35'<br>615-640'/25'<br>685-700'/15'<br>750-790'/40'  | 0.010<br>0.011<br>0.015<br>0.013<br>0.020<br>0.022<br>0.012<br>0.013                            | -0.10<br>-0.10<br>-0.10<br>3.31<br>0.03<br>-0.10<br>-0.10<br>-0.10                   |
| RL-68  | 715                 | N55W/-60              | 175-180'/5'<br>450-455'/5'<br>525-530'/5'<br>535-540'/5'<br>555-605'/50'  | 0.012<br>0.031<br>0.011<br>0.011<br>0.016   | -0.10<br>0.11<br>-0.10<br>-0.10<br>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'<br>245-250'/5'<br>445-455'/10'<br>670-680'/10'<br>700-715'/15'<br>725-735'/10'<br>760-1000'/240'<br>including | 0.010<br>0.010<br>0.014<br>0.093<br>0.079<br>0.013<br>0.043<br>0.082<br>0.070<br>0.011<br>0.018 | 0.18<br>0.93<br>0.17<br>0.24<br>0.06<br>1.64<br>0.22<br>0.19<br>0.28<br>1.08<br>0.13 |

**Appendix 2:**

|                    |      |          |   |  |  |
|--------------------|------|----------|---|--|--|
| RL-70C             | 1012 | S55E/-69 | 580-585'/5'<br>635-660'/25'<br>685-741'/56'<br>800-805'/5'<br>810-815'/5'<br>855-865'/10'   | 0.019<br>0.032<br>0.022<br>0.010<br>0.010<br>0.053   | -0.10<br>0.04<br>0.03<br>0.13<br>0.12<br>-0.10   |
| RL-71C             | 887  | S51E/-53 | 197-202'/5'<br>262-328'/66'<br>including<br>272-314.5/42.5'<br>397-402'/5'  | 0.010<br>0.110<br>0.156<br>0.010   | -0.10<br>0.57<br>0.80<br>0.13  |
| RL-72C             | 802  | S59E/-63 | 20-25'/5'<br>200-205'/5'<br>295-305'/10'<br>325-345'/20'<br>460-464'/4'<br>509-513'/4'<br>532-550'/18'  | 0.010<br>0.010<br>0.039<br>0.058<br>0.022<br>0.011<br>0.043  | 0.26<br>-0.10<br>-0.10<br>-0.10<br>-0.10<br>-0.10<br>0.12  |
| RL-73              | 415  | S55E/-50 | 220-225'/5'   | 0.011  | -0.10  |
| <b>VALLEY:</b>     |      |          |   |  |  |
| RL-74              | 945  | N55W/-60 | 140-145'/5'<br>270-275'/5'<br>320-325'/5'<br>415-420'/10'<br>455-460'/5'<br>495-500'/5'<br>525-530'/5'<br>635-665'/30'<br>675-680'/5'<br>705-715'/10'<br>835-840'/5'<br>855-860'/5'<br>875-880'/5'<br>910-915'/5' | 0.013<br>0.015<br>0.095<br>0.039<br>0.021<br>0.012<br>0.079<br>0.014<br>0.011<br>0.022<br>0.017<br>0.030<br>0.031<br>0.016 | -0.10<br>-0.10<br>-0.10<br>-0.10<br>-0.10<br>0.11<br>0.44<br>-0.10<br>-0.10<br>-0.10<br>-0.10<br>-0.10<br>-0.10<br>-0.10 |
| <b>DOZER HILL:</b> |      |          |   |  |  |
| RL-75C             | 1071 | S55E/-72 | 95-100'/5'<br>305-315'/10'<br>325-335'/10'<br>400-415'/15'<br>500-520'/20'<br>530-535'/5'<br>695-720'/25'<br>735-745'/10'<br>775-820'/45'   | 0.010<br>0.126<br>0.019<br>0.040<br>0.023<br>0.038<br>0.025<br>0.052<br>0.076  | 0.13<br>-0.10<br>-0.10<br>0.22<br>0.05<br>0.33<br>0.22<br>0.20<br>0.05   |

**Appendix 2:**

|             |           |                  |       |       |
|-------------|-----------|------------------|-------|-------|
| RL75C cont. | including | 775–785'/10'     | 0.218 | 0.13  |
|             |           | 810–820'/10'     | 0.087 | 0.08  |
|             |           | 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 |

|       |     |          |              |       |       |
|-------|-----|----------|--------------|-------|-------|
| 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 |
|        |      |          | 644–682'/38' | 0.453 | 0.57  |
|        |      |          | 698–703'/5'  | 0.017 | -0.10 |
|        |      |          | 718–723'/5'  | 0.014 | 0.72  |

**Appendix 2:**

|              |           |  |             |       |       |
|--------------|-----------|--|-------------|-------|-------|
| RL-82C cont. |           |  | 733-817'84' | 0.061 | 0.13  |
|              | including |  | 798-807'9'  | 0.364 | 0.19  |
|              |           |  | 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  | N30E/-45 | nil         |       |       |
|       | Lost |          |             |       |       |
| RL-85 | 530  | N01W/-75 | 405-420'15' | 0.010 | 0.07  |
|       | Lost |          | 425-430'5'  | 0.010 | 0.13  |
| 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'      | 0.305 | 1.18  |
|        |      |           | 795-825.7'30.7'  | 0.168 | 3.89  |
| RL-89C | 1152 | N54W/-60  | 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 |
|        |      |           | 892-1098.2'206.1 | 0.142 | 0.24  |
|        |      | including | 941-1092'151'    | 0.181 | 0.28  |

**Appendix 2:**

|              |      |           |                   |       |       |
|--------------|------|-----------|-------------------|-------|-------|
| RL-89C cont. |      |           | 1024-1092'68'     | 0.314 | 0.54  |
|              |      |           | 1132-1135'3'      | 0.024 | 1.35  |
|              |      |           | 1149-1152'3'      | 0.011 | 1.21  |
| RL-90C       | 1012 | S55E/-63  | 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  |
|              |      |           | 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  |
|              |      |           | 210-220'10'       | 0.075 | 0.26  |
|              |      |           | 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' |       | 0.45  |
| 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 | 945-1044'99'      | 0.242 | 0.52  |

**Appendix 2:**

|              |      |            |   |   |   |
|--------------|------|------------|---|---|---|
| RL-93C cont. |      |            | 1010–1030'/20'  | 0.649   | 1.06  |
| RL-94C       | 1199 | S55E/-60   | 100–105'/5'<br>450–455'/5'<br>585–590'/5'<br>600–605'/5'<br>635–640'/5'<br>670–675'/5'<br>695–700'/5'<br>845–855'/10'<br>890–903'/13'<br>915–975'/60'<br>including<br>940–965'/25'<br>995–1010'/15'<br>1020–1025'/5'<br>1045–1065'/20'<br>including<br>1050–1060'/10'<br>1140–1145'/5'<br>1195–1199'/4' | 0.032<br>0.054<br>0.010<br>0.014<br>0.013<br>0.019<br>0.012<br>0.019<br>0.013<br>0.061<br>0.112<br>0.044<br>0.022<br>0.205<br>0.367<br>0.083<br>0.038 | -0.10<br>0.13<br>1.33<br>-0.10<br>-0.10<br>0.12<br>0.10<br>0.17<br>0.11<br>0.20<br>0.38<br>1.45<br>0.28<br>0.50<br>0.60<br>2.22<br>0.48 |
| RL-95C       | 1270 | S55E/-60   | 560–565'/5'<br>966–977'/11'<br>1192.6–1193.1'/0.5'  | 0.013<br>0.017<br>0.014   | -0.10<br>-0.10<br>-0.10   |
| RL-96C       | 1192 | S55E/-60   | 60–70'/10'<br>145–175'/30'<br>860–865'/5'<br>1147–1152'/5'<br>1177–1182'/5'   | 0.013<br>0.060<br>0.023<br>0.020<br>0.012   | -0.10<br>0.17<br>-0.10<br>0.72<br>0.20  |
| RL-97C       | 1252 | S55E/-63   | 240–245'/5'<br>445–450'/5'<br>833–995'/162'<br>including<br>833–850'/17'<br>913–940'/27'  | 0.017<br>0.011<br>0.056<br>0.118<br>0.100   | -0.10<br>0.18<br>0.51<br>0.21<br>0.82   |
| RL-98C       | 1061 | S55E/-63.5 | 270–275'/5'<br>910–945'/35'<br>955–960'/5'  | 0.160<br>0.018<br>0.010   | 0.64<br>0.86<br>-0.10   |
| RL-99C       | 1242 | S55E/-58.5 | 235–240'/5'<br>320–330'/10'<br>365–370'/5'<br>395–400'/5'<br>512–517'/5'<br>837–842'/5'<br>862–867'/5'<br>892–1062/170'<br>including<br>965–980'/15'  | 0.039<br>0.056<br>0.010<br>0.016<br>0.024<br>0.053<br>0.021<br>0.015<br>0.030   | -0.10<br>0.08<br>-0.10<br>0.18<br>-0.10<br>-0.10<br>-0.10<br>0.50<br>0.11   |

**Appendix 2:**

|         |           |              |                   |       |       |
|---------|-----------|--------------|-------------------|-------|-------|
| RL-100C | 1168.5    | S55E/-60     | 350-355'/5'       | 0.026 | 0.12  |
|         |           |              | 887-916'/29'      | 0.075 | -0.10 |
|         |           |              | 930.5-1027/96.5'  | 0.215 | 11.78 |
|         | 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 |              | 1023-1044'/21'    | 0.064 | 0.19  |
| 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 |              | 892-920'/28'      | 0.232 | 0.27  |
| 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 |              | 742-872'/130'     | 0.210 | 0.34  |
|         |           |              | 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.' | 0.060 | 0.07  |

**Appendix 2:**

|         |      |           |                  |       |       |
|---------|------|-----------|------------------|-------|-------|
| 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 |
|         |      |           | 983–992'/9'      | 0.148 | 2.12  |
|         |      |           | 1007–1012'/5'    | 0.024 | 0.51  |
|         |      | including | 1022–1067'/45'   | 0.038 | 0.16  |
|         |      |           | 1047–1067'/20'   | 0.085 | 0.22  |
|         |      |           | 1087–1102'/15'   | 0.023 | 0.12  |
|         |      |           | 1147–1152'/5'    | 0.010 | -0.10 |
|         |      | including | 1162–1212'/50'   | 0.064 | 5.62  |
|         |      |           | 1187–1202'/15'   | 0.109 | 7.03  |
| RL-107C | 1030 | S52E/-55  | 275–280'/5'      | 0.016 | 0.21  |
|         |      |           | 305–320'/15'     | 0.058 | -0.10 |
|         |      |           | 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  |
|         |      | including | 972–1037/65'     | 0.103 | 0.24  |
|         |      |           | 992–1027/35'     | 0.137 | 0.41  |
|         |      | including | 1037–1107/70'    | 0.012 | 3.51  |
|         |      |           | 1062–1082/20'    | 0.032 | 9.01  |
| RL-109C | 1247 | S51E/-60  | 889–1015.5/126.5 | 0.050 | 1.17  |
|         |      | including | 967–988'/21'     | 0.162 | 2.19  |
|         |      |           | 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  |

**Appendix 2:**

|                       |        |          |   |  |  |
|-----------------------|--------|----------|---|--|--|
| RL-109C cont.         |        |          | 1232-1237/5'  | 0.014  | -0.10  |
| RL-110C               | 1232   | S55E/-55 | 185-190'/5'<br>195-200'/5'<br>245-250'/5'<br>355-360'/5'<br>380-385'/5'<br>390-395'/5'<br>1193.5-1202/8.5'  | 0.010<br>0.021<br>0.016<br>0.010<br>0.013<br>0.012<br>0.048  | -0.10<br>2.72<br>0.44<br>0.18<br>0.12<br>-0.10<br>0.11   |
| <b>VALLEY:</b>        |        |          |   |  |  |
| RL-111C               | 957    | S00E/-45 | 252-257'/5'<br>587-592'/5'<br>879-884'/5'<br>907-912'/5'<br>922-927'/5'   | 0.039<br>0.012<br>0.034<br>0.025<br>0.068  | 0.21<br>0.28<br>-0.10<br>-0.10<br>0.11   |
| <b>DOZER HILL:</b>    |        |          |   |  |  |
| RL-112C               | 1229.5 | S45E/-58 | 35-40'/5'<br>85-110'/25'<br>475-508'/33'<br>517-522'/5'<br>522-527'/5'<br>546-552'/6'<br>857-862'/5'<br>927-937'/10'<br>947-952'/5'<br>972-977'/5'<br>997-1002'/5'<br>1017-1022'/5'<br>1027-1069/42'<br>including | 0.010<br>0.036<br>0.013<br>0.019<br>0.012<br>0.028<br>0.073<br>0.043<br>0.022<br>0.021<br>0.038<br>0.010<br>0.068<br>0.086<br>0.013<br>0.014<br>0.012<br>0.027 | 0.10<br>0.38<br>0.15<br>0.26<br>0.29<br>0.11<br>-0.10<br>0.47<br>-0.10<br>0.19<br>-0.10<br>-0.10<br>0.72<br>1.24<br>8.14<br>1.04<br>2.12<br>1.23 |
| <b>CHANCE TARGET:</b> |        |          |   |  |  |
| RL-113                | 800    | S10W/-45 | 325-350'/25'<br>395-700'/305'<br>including  | 0.020<br>0.029<br>0.043  | 0.09<br>0.03<br>0.03   |
|                       |        |          | including   | 0.086  | 0.06   |
|                       |        |          | 710-715'/5'<br>720-725'/5'<br>740-755'/15'<br>785-795'/10'  | 0.013<br>0.012<br>0.018<br>0.036   | -0.10<br>-0.10<br>-0.10<br>-0.10   |

**Appendix 2:**

|        |     |          |             |       |      |
|--------|-----|----------|-------------|-------|------|
| 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         |       |      |

**WILD ROSE:**

|        |     |          |  |                                  |                               |
|--------|-----|----------|--|----------------------------------|-------------------------------|
| RL-118 | 640 | N35E/-45 | nil  |                                  |                               |
| RL-119 | 500 | S00E/-45 | nil  |                                  |                               |
| RL-120 | 495 | N19E/-60 | 40-45'/5'<br>110-125'/15'<br>155-175'/20'<br>265-270'/5' | 0.035<br>0.015<br>0.015<br>0.042 | -0.10<br>0.09<br>0.06<br>0.27 |

**EAST DREAMLAND:**

|        |     |          |                              |                |               |
|--------|-----|----------|------------------------------|----------------|---------------|
| RL-121 | 300 | N20W/-45 | nil                          |                |               |
| RL-122 | 400 | N20W/-65 | 245-265'/20'<br>325-350'/25' | 0.015<br>0.019 | 5.62<br>-0.10 |

**DOZER HILL:**

|         |     |          |  |   |  |
|---------|-----|----------|--|---|--|
| RL-123C | 698 | S55E/-60 | 255-260'/5'<br>421.5-477/55.5'<br>502-507'/5'<br>532-572'/40'<br>542-572'/30'<br>582-587'/5'<br>607-617'/10'<br>632-667'/15'<br>671-692'/11' | 0.025<br>0.015<br>0.022<br>0.405<br>0.558<br>0.012<br>0.078<br>0.031<br>0.011 | -0.10<br>0.22<br>0.20<br>7.21<br>9.57<br>-0.10<br>0.12<br>0.24<br>0.16 |
| RL-124C | 972 | S55E/-60 | 95-100'/5'<br>175-180'/5'<br>812-817'/5'   | 0.014<br>0.110<br>0.010   | -0.10<br>0.38<br>-0.10   |
| RL-125C | 662 | S55E/-65 | 160-165'/5'<br>285-295'/10'<br>432-437'/5'<br>457-462'/5'<br>457-542'/85'<br>487-527'/40'  | 0.013<br>0.015<br>0.015<br>0.019<br>0.149<br>0.373                            | -0.10<br>0.06<br>0.12<br>1.14<br>4.24<br>8.39                          |

**Appendix 2:**

|               |       |           |                 |       |       |
|---------------|-------|-----------|-----------------|-------|-------|
| RL-125C cont. |       |           | 572-596'/24'    | 0.056 | 1.05  |
|               |       | including | 572-582'/10'    | 0.110 | 1.18  |
| 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 | 502-517'/15'    | 0.176 | 1.43  |
|               |       |           | 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 | 321.5-362/40.5' | 0.216 | 1.46  |
| 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 | 572-607'/35'    | 0.508 | 4.68  |
| 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  |

**EAST DREAMLAND:**

|        |     |          |            |       |       |
|--------|-----|----------|------------|-------|-------|
| RL-132 | 200 | N20E/-45 | nil        |       |       |
| RL-133 | 300 | N00E/-45 | 70-75'/5'  | 0.011 | 0.19  |
|        |     |          | 95-100'/5' | 0.015 | -0.10 |

**Appendix 2:**

|        |     |          |  |                         |                       |
|--------|-----|----------|--|-------------------------|-----------------------|
| 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'<br>320-325'/5'<br>335-345'/10'<br>375-380'/5'<br>385-390'/5'<br>405-410'/5'<br>555-580'/25'<br>620-625'/5'<br>685-710'/25' | 0.012<br>0.010<br>0.040<br>0.041<br>0.010<br>0.010<br>0.029<br>0.012<br>0.032 | -0.10<br>0.46<br>0.44<br>0.56<br>-0.10<br>0.21<br>0.08<br>-0.10<br>0.29 |
| RL-143 | 1005 | S55E/-60 | 375-380'/5'  | 0.013   | 1.03  |

**Appendix 2:**

|                    |     |          |  |   |   |
|--------------------|-----|----------|--|---|---|
| RL-144             | 625 | S55E/-60 | 115-125'/10'<br>590-595'/5'<br>605-610'/5'   | 0.016<br>0.015<br>0.011   | 0.05<br>-0.10<br>-0.10  |
| RL-145             | 700 | S55E/-60 | 140-145'/5'<br>420-430'/10'<br>445-450'/5'<br>465-470'/5'<br>505-510'/5'<br>540-550'/10'<br>605-610'/5'<br>615-620'/5'<br>640-700'/60' | 0.017<br>0.030<br>0.011<br>0.012<br>0.029<br>0.013<br>0.047<br>0.035<br>0.158 | -0.10<br>2.70<br>0.35<br>-0.10<br>-0.10<br>1.12<br>1.85<br>0.91<br>0.08 |
|                    |     |          | including  | 0.202   | 0.10  |
|                    |     |          | 640-685'/45'   |   |   |
|                    |     |          | 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'<br>365-370'/5'   | 0.028<br>0.020  | -0.10<br>-0.10  |
| RL-148             | 645 | S55E/-45 | 125-130'/5'<br>375-380'/5'<br>525-530'/5'  | 0.028<br>0.010<br>0.012   | 0.18<br>0.35<br>-0.10   |
| RL-149             | 545 | S40E/-60 | 630-635'/5'<br>260-265'/5'<br>305-335'/30'   | 0.012<br>0.010<br>0.019   | 0.12<br>-0.10<br>0.06   |
|                    |     |          | 400-430'/30'   | 0.014   | -0.10   |
| <b>VALLEY:</b>     |     |          |  |   |   |
| RL-150             | 700 | S55E/-60 | 585-600'/15'   | 0.018   | 0.17  |
| <b>DEGERSTROM:</b> |     |          |  |   |   |
| 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  |
| RL-152             | 700 | N50E/-45 | nil  |   |   |

**Appendix 2:**

**CHANCE:**

|                    |     |          |  |   |   |
|--------------------|-----|----------|--|---|---|
| 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   | 0.08  |
| 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  |
| <b>WILD ROSE:</b>  |     |          |  |   |   |
| RL-157             | 405 | N20E/-60 | 60–65'/5'<br>320–360'/40'  | 0.012<br>0.010  | -0.10<br>-0.10  |
| <b>DOZER HILL:</b> |     |          |  |   |   |
| RL-158C            | 650 | VERTICAL | 50–55'/5'<br>155–160'/5'<br>195–200'/5'<br>250–255'/5'<br>280–285'/5'<br>354–359'/5'<br>542–547'/5'<br>595–602'/7'<br>614–624'/10'<br>634–647'/13'                       | 0.015<br>0.012<br>0.015<br>0.012<br>0.014<br>0.011<br>0.018<br>0.027<br>0.011<br>0.015          | -0.10<br>0.18<br>-0.10<br>-0.10<br>-0.10<br>-0.10<br>-0.10<br>2.64<br>0.19<br>0.30        |
| RL-159C            | 852 | S55E/-70 | 170–175'/5'<br>225–240'/15'<br>260–270'/10'<br>362–367'/5'<br>387–392'/5'<br>412–417'/5'<br>427–432'/5'<br>452–467'/15'<br>502–777/275'<br>527–697'/170'<br>732–777'/45' | 0.033<br>0.017<br>0.040<br>0.038<br>0.012<br>0.013<br>0.028<br>0.017<br>0.370<br>0.559<br>0.112 | -0.10<br>0.08<br>0.16<br>-0.10<br>-0.10<br>-0.10<br>-0.10<br>0.05<br>0.10<br>1.44<br>0.23 |
| RL-160             | 400 | S10E/-50 | 150–225'/75'<br>350–355'/5'  | 0.024<br>0.018  | 0.24<br>-0.10   |
| RL-161             | 405 | S45E/-45 | 105–145'/40'<br>including<br>105–115'/10'  | 0.035<br>0.099  | 0.09<br>0.17  |

**Appendix 2:**

|         |      |          |  |  |  |
|---------|------|----------|--|--|--|
| RL-162  | 445  | S55E/-45 | 10-15'/5'<br>90-95'/5'<br>105-125'/20'<br>190-200'/10'<br>340-345'/5'<br>360-365'/5'   | 0.011<br>0.027<br>0.026<br>0.035<br>0.024<br>0.018   | 0.23<br>-0.10<br>-0.10<br>0.05<br>-0.10<br>-0.10   |
| RL-163  | 600  | S55E/-60 | 75-80'/5'<br>175-180'/5'<br>275-280'/5'<br>285-290'/5'<br>300-305'/5'<br>345-365'/20'<br>375-380'/5'<br>425-430'/5'<br>495-500'/5'<br>520-530'/10'<br>550-570'/20'<br>585-595'/10' | 0.014<br>0.017<br>0.028<br>0.013<br>0.016<br>0.022<br>0.020<br>0.011<br>0.013<br>0.011<br>0.028<br>0.025 | 0.24<br>-0.10<br>0.21<br>0.20<br>0.16<br>-0.10<br>0.71<br>-0.10<br>0.14<br>0.78<br>2.44<br>-0.10 |
| RL-164  | 545  | VERTICAL | nil  |  |  |
| RL-165C | 1032 | S55E/-75 | 384-389'/5'<br>603.5-608.5/5'<br>649-655'/6<br>723-731'8'<br>802-829.5/27.5'<br>844-854'/10'<br>859.5-870.5/11'<br>906-911'/5'<br>937-947'/10'                                     | 0.053<br>0.031<br>0.031<br>0.011<br>0.017<br>0.014<br>0.027<br>0.024<br>0.019                            | -0.10<br>0.26<br>0.35<br>0.07<br>0.03<br>0.06<br>0.14<br>0.15<br>0.12                            |
| RL-166  | 1100 | S55E/-68 | 80-85'/5'<br>95-115'/20'<br>750-755'/5'<br>840-855'/15'<br>1095-1100/5'  | 0.015<br>0.027<br>0.022<br>0.028<br>0.015  | -0.10<br>-0.10<br>-0.10<br>0.37<br>-0.10   |
| RL-167  | 800  | VERTICAL | 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 composites @ 0.050 opt Au cut-off in bold italics.**

**3) "C" suffix on Hole No. = core**

## Appendix 3

ROSEBUD PROJECT  
1991 DRILLING SUMMARY

1/11/92

| HOLE NO.          | T.D.<br>FEET | BEARING/<br>INCLINATION | INTERCEPT<br>FROM-TO/WIDTH   | AU<br>OPT   | AG<br>OPT   |
|-------------------|--------------|-------------------------|--|---|---|
| <b>DOZER HILL</b> |              |                         |  |   |   |
| RL168             | 740'         | VERTICAL                | 135-140'/5'<br>190-195'/5'<br>520-525'/5'<br>545-720'/175'<br>Includes (0.05 cutoff)<br>Includes (0.10 cutoff)   | 0.011<br>0.013<br>0.016<br>0.288<br>550-590'/40'<br>555-590'/35'  | 0.10<br>0.06<br>0.07<br>0.56<br>1.146<br>1.303                            |
| RL169             | 780'         | VERTICAL                | 395-400'/5'<br>450-435'/5'<br>470-480'/10'<br>595-780'/185'<br>Includes (.05 Cutoff)<br>Includes (.100 Cutoff)<br>Includes (.05 Cutoff)<br>Includes (.100 Cutoff)                              | 0.025<br>0.013<br>0.022<br>0.055<br>595-615'/20'<br>600-615'/15'<br>635-680'/45'<br>645-650'/5'                   | 0.07<br>0.10<br>0.05<br>0.92<br>0.164<br>0.200<br>0.077<br>0.165          |
| RL170             | 665'         | VERTICAL                | 580-665'/85'<br>Includes (.05 Cutoff)<br>Includes (0.10 cutoff)  | 0.076<br>595-655'/60'<br>615-650'/35'   | 4.25<br>5.18<br>0.74  |
| RL171             | 860'         | VERTICAL                | 315-320'/5'<br>395-400'/5'<br>420-455'/35'<br>470-840'/370'<br>Includes (.05 Cutoff)<br>Including (0.10 cutoff)<br>Including (0.10 cutoff)<br>Includes (.05 Cutoff)<br>Including (0.10 cutoff) | 0.010<br>0.123<br>0.015<br>0.186<br>520-715'/195'<br>535-585'/50'<br>655-695'/40'<br>765-800'/35'<br>775-785'/10' | 0.04<br>0.14<br>0.07<br>0.55<br>0.274<br>0.725<br>0.313<br>0.368<br>1.109 |
| RL172             | 375'         | VERTICAL                | 40-55'/15'   | 0.030   | 0.07  |
| RL173             | 200'         | VERTICAL                | NO INTERCEPT   |   |   |
| RL174             | 500'         | VERTICAL                | 390-405'/15'<br>410-415'/5'  | 0.028<br>0.015  | 0.04<br>0.00  |
| RL175             | 600'         | VERTICAL                | 135-150'/15'   | 0.022   | 0.72  |
| RL176             |              | VERTICAL                | 310-325'/15'   | 0.147   | 0.19  |
| RL177             | 445'         | VERTICAL                | 100-105'/5'<br>195-210'/15'<br>220-225'/5'<br>235-255'/20'<br>375-380'/5'  | 0.010<br>0.011<br>0.015<br>0.021<br>0.018   | 0.08<br>0.06<br>0.18<br>0.16<br>0.03                                      |
| RL178             | 860'         | VERTICAL                | 25-30'/5'<br>210-215'/5'<br>230-235'/5'<br>270-280'/10'<br>290-295'/5'   | 0.011<br>0.013<br>0.011<br>0.020<br>0.037   | 0.00<br>0.10<br>0.07<br>0.14<br>0.10                                      |

|             |       |          |                         |                |       |      |
|-------------|-------|----------|-------------------------|----------------|-------|------|
| RL178 cont. |       |          | 300–305'/5'             | 0.013          | 0.07  |      |
|             |       |          | 325–330'/5'             | 0.010          | 0.06  |      |
|             |       |          | 340–375'/35'            | 0.022          | 0.01  |      |
|             |       |          | 400–415'/15'            | 0.010          | 0.02  |      |
|             |       |          | 425–445'/20'            | 0.019          | 0.04  |      |
|             |       |          | 580–595'/15'            | 0.017          | 0.10  |      |
|             |       |          | 610–625'/15'            | 0.011          | 0.09  |      |
|             |       |          | 660–695'/35'            | 0.012          | 0.10  |      |
|             |       |          | 720–735'/15'            | 0.014          | 0.10  |      |
|             |       |          | 745–770'/25'            | 0.017          | 0.04  |      |
|             |       |          | 780–795'/15'            | 0.026          | 0.01  |      |
| RL179       | 1020' | VERTICAL | 420–425'/5'             | 0.019          | 0.42  |      |
|             |       |          | 525–540'/15'            | 0.012          | 0.19  |      |
|             |       |          | 565–600'/35'            | 0.024          | 3.20  |      |
|             |       |          | 665–975'/310'           | 0.027          | 0.28  |      |
|             |       |          | Including (0.05 cutoff) | 680–690'/10'   | 0.109 | 0.17 |
|             |       |          | Including (0.10 cutoff) | 680–685'/5'    | 0.168 | 0.19 |
|             |       |          | Including (0.05 cutoff) | 740–745'/5'    | 0.085 | 0.43 |
|             |       |          | Including (0.10 cutoff) | 870–880'/10'   | 0.120 | 3.90 |
|             |       |          | Including (0.05 cutoff) | 925–930'/5'    | 0.088 | 0.03 |
|             |       |          | Includes (0.10 cutoff)  | 940–945'/5'    | 0.137 | 0.28 |
|             |       |          |                         | 1005–1020'/15' | 0.038 | 0.16 |
|             |       |          | Includes (0.05 cutoff)  | 1010–1020'/10' | 0.056 | 0.15 |
| RL180       | 685'  | VERTICAL | 265–270'/5'             | 0.021          | 0.09  |      |
|             |       |          | 325–330'/5'             | 0.027          | 0.11  |      |
|             |       |          | 340–375'/35'            | 0.027          | 0.05  |      |
|             |       |          | 380–385'/5'             | 0.010          | 0.08  |      |
|             |       |          | 415–445'/30'            | 0.013          | 0.18  |      |
|             |       |          | 475–480'/5'             | 0.012          | 0.11  |      |
|             |       |          | 490–495'/5'             | 0.020          | 0.14  |      |
|             |       |          | 575–595'/20'            | 0.017          | 0.26  |      |
|             |       |          | 605–650'/45'            | 0.035          | 0.09  |      |
|             |       |          | Includes (0.10 cutoff)  | 645–650'/5'    | 0.138 | 0.17 |
|             |       |          |                         | 660–675'/15'   | 0.031 | 0.09 |
| RL181       | 935'  | VERTICAL | 665–690'/25'            | 0.014          | 0.21  |      |
|             |       |          | 700–705'/5'             | 0.010          | 0.05  |      |
| RL182       | 785'  | VERTICAL | 275–280'/5'             | 0.012          | 0.08  |      |
|             |       |          | 285–290'/5'             | 0.011          | 0.01  |      |
|             |       |          | 350–355'/5'             | 0.010          | 0.08  |      |
|             |       |          | 445–450'/5'             | 0.064          | 0.22  |      |
|             |       |          | 540–565'/25'            | 0.022          | 0.11  |      |
|             |       |          | 585–590'/5'             | 0.013          | 0.09  |      |
|             |       |          | 605/685'/80'            | 0.031          | 0.09  |      |
|             |       |          | Includes (0.10 cutoff)  | 650–655'/5'    | 0.236 | 0.24 |
|             |       |          |                         | 695–710'/15'   | 0.018 | 0.01 |
|             |       |          |                         | 730–735'/5'    | 0.096 | 0.08 |
| RL183       | 600'  | VERTICAL | 350–365'/15'            | 0.011          | 0.13  |      |
|             |       |          | 505–570'/65'            | 0.029          | 0.13  |      |
|             |       |          | 580–600'/20'            | 0.035          | 0.09  |      |

|       |       |                        |              |       |       |
|-------|-------|------------------------|--------------|-------|-------|
| RL184 | 900'  | VERTICAL               | 415–420'5'   | 0.014 | 0.07  |
| RL185 | 1000' | VERTICAL               | 325–330'5'   | 0.011 | 3.03  |
|       |       |                        | 450–460'10'  | 0.018 | 0.07  |
|       |       |                        | 475–480'5'   | 0.010 | 0.06  |
|       |       |                        | 495–500'5'   | 0.011 | 0.06  |
|       |       |                        | 535–545'10'  | 0.022 | 0.09  |
|       |       |                        | 655–660'5'   | 0.014 | -0.02 |
|       |       |                        | 670–675'5'   | 0.061 | 0.09  |
|       |       |                        | 690–790'100' | 0.037 | 0.98  |
|       |       | Includes (0.05 cutoff) | 720–725'5'   | 0.064 | 0.63  |
|       |       | Includes (0.10 cutoff) | 770–780'10'  | 0.174 | 0.29  |
|       |       |                        | 820–825'5'   | 0.013 | 0.06  |
|       |       |                        | 850–885'35'  | 0.017 | 7.96  |
|       |       |                        | 905–920'15'  | 0.044 | 2.75  |
|       |       |                        | 950–960'10'  | 0.060 | 0.43  |
|       |       |                        | 985–990'5'   | 0.030 | 0.15  |
| RL186 | 840'  | VERTICAL               | 425–430'5'   | 0.010 | 0.13  |
|       |       |                        | 575–840'265' | 0.086 | 0.69  |
|       |       | Includes (0.05 cutoff) | 645–710'65'  | 0.215 | 0.55  |
|       |       | Includes (0.10 cutoff) | 645–705'60'  | 0.225 | 0.56  |
|       |       | Includes (0.05 cutoff) | 725–765'40'  | 0.145 | 0.29  |
|       |       | Includes (0.10 cutoff) | 730–740'10'  | 0.401 | 0.52  |
| RL187 | 750'  | VERTICAL               | 485–520'35'  | 0.024 | 0.13  |
|       |       |                        | 495–500'5'   | 0.066 | 0.17  |
|       |       |                        | 540–645'105' | 0.337 | 0.65  |
|       |       | Includes (0.10 cutoff) | 555–600'45'  | 0.706 | 1.02  |
|       |       | Includes (0.05 cutoff) | 620–625'5'   | 0.055 | 0.15  |
|       |       | Includes (0.10 cutoff) | 640–645'5'   | 0.484 | 1.49  |
| RL188 | 685'  |                        | 165–170'5'   | 0.018 | 0.05  |
|       |       |                        | 235–240'5'   | 0.012 | 0.07  |
|       |       |                        | 290–295'5'   | 0.012 | 0.11  |
|       |       |                        | 375–420'45'  | 0.017 | 0.13  |
|       |       |                        | 470–485'15'  | 0.011 | 0.12  |
|       |       |                        | 505–675'170' | 0.030 | 0.69  |
|       |       | Includes (0.10 cutoff) | 540–555'15'  | 0.133 | 7.62  |
| RL189 | 675'  |                        | 245–250'5'   | 0.018 | 0.10  |
|       |       |                        | 340–445'105' | 0.020 | 0.13  |
|       |       | Includes (0.10 cutoff) | 415–420'5'   | 0.106 | 0.21  |
|       |       |                        | 470–475'5'   | 0.020 | 0.08  |
|       |       |                        | 630–640'10'  | 0.017 | 0.12  |
| RL190 | 635'  |                        | 190–195'5'   | 0.010 | 0.10  |
|       |       |                        | 230–240'10'  | 0.021 | 0.14  |
|       |       |                        | 250–265'15'  | 0.104 | 0.25  |
|       |       | Includes (0.10 cutoff) | 250–255'5'   | 0.235 | 0.35  |
|       |       |                        | 315–320'5'   | 0.015 | 0.09  |
|       |       |                        | 395–410'15'  | 0.018 | 0.06  |
|       |       |                        | 430–435'5'   | 0.012 | 0.04  |
|       |       |                        | 470–485'15'  | 0.027 | 0.09  |

|             |      |          |                        |                    |       |      |
|-------------|------|----------|------------------------|--------------------|-------|------|
| RL190 cont. |      |          | 545–550' / 5'          | 0.012              | 0.23  |      |
|             |      |          | 585–625' / 40'         | 0.024              | 0.52  |      |
| RL191C      | 903' | VERTCAL  | 607–735' / 128'        | 0.134              | 1.34  |      |
|             |      |          | Includes (0.05 cutoff) | 612–645' / 33'     | 0.320 | 0.98 |
|             |      |          | Includes (0.10 cutoff) | 620–645' / 25'     | 0.403 | 1.25 |
|             |      |          | Includes (0.10 cutoff) | 675–700' / 25'     | 0.205 | 1.30 |
|             |      |          |                        | 780–803' / 23'     | 0.025 | 0.08 |
|             |      |          |                        | 823–828' / 5'      | 0.014 | 0.06 |
| RL192C      | 715' | VERTICAL | 25–30' / 5'            | 0.023              | 0.05  |      |
|             |      |          | 270–275' / 5'          | 0.010              | 0.03  |      |
|             |      |          | 383–408' / 25'         | 0.015              | 0.57  |      |
|             |      |          | 448–453' / 5'          | 0.033              | 3.80  |      |
|             |      |          | 468–523' / 55'         | 0.118              | 3.10  |      |
|             |      |          | Includes (0.10 cutoff) | 483–493' / 10'     | 0.529 | 9.57 |
|             |      |          |                        | 538–583' / 45'     | 0.255 | 3.14 |
|             |      |          | Includes (0.10 cutoff) | 543–578' / 35'     | 0.317 | 3.54 |
|             |      |          |                        | 659–664' / 5'      | 0.041 | 0.14 |
|             |      |          |                        | 636–639.8' / 3.8'  | 0.017 | 0.41 |
|             |      |          |                        | 659–678.3' / 19.3' | 0.041 | 0.14 |
|             |      |          | Includes (0.10 cutoff) | 659–664' / 5'      | 0.112 | 0.12 |
|             |      |          |                        | 685–685.3' / 0.3'  | 0.015 | 0.08 |
| RL193C      | 840' | VERTICAL | 10–15' / 10'           | 0.013              | 0.03  |      |
|             |      |          | 335–355' / 20'         | 0.043              | 0.17  |      |
|             |      |          | Includes (0.10 cutoff) | 350–355' / 5'      | 0.133 | 0.21 |
|             |      |          |                        | 468–473' / 5'      | 0.013 | 0.04 |
|             |      |          |                        | 488–498' / 10'     | 0.012 | 0.11 |
|             |      |          |                        | 523–528' / 5'      | 0.022 | 0.12 |
|             |      |          |                        | 538–743' / 205'    | 0.639 | 2.06 |
|             |      |          | Includes (0.05 cutoff) | 538–716' / 178'    | 0.715 | 2.29 |
|             |      |          | Includes (0.10 cutoff) | 538–543' / 5'      | 0.128 | 0.03 |
|             |      |          | Includes (0.10 cutoff) | 538–558' / 20'     | 1.211 | 0.47 |
|             |      |          | Includes (0.10 cutoff) | 608–633' / 25'     | 3.218 | 5.73 |
|             |      |          | Includes (0.10 cutoff) | 648–653' / 5'      | 0.243 | 0.53 |
|             |      |          | Includes (0.10 cutoff) | 668–716' / 48'     | 0.251 | 0.45 |
|             |      |          |                        | 753–758' / 5'      | 0.011 | 0.05 |
|             |      |          |                        | 773–778' / 5'      | 0.012 | 0.03 |
|             |      |          |                        | 798–803' / 5'      | 0.010 | 0.05 |
|             |      |          |                        | 826–831' / 5'      | 0.012 | 0.00 |
| RL194C      | 895' | VERTICAL | 145–150' / 5'          | 0.019              | 0.04  |      |
|             |      |          | 578–583' / 5'          | 0.016              | 0.04  |      |
|             |      |          | 643–648' / 5'          | 0.010              | 0.04  |      |
|             |      |          | 683–743' / 60'         | 0.016              | 0.11  |      |
|             |      |          | 763–820' / 57'         | 0.078              | 0.03  |      |
|             |      |          | Includes (0.05 cutoff) | 773–798' / 25'     | 0.137 | 0.19 |
| RL195C      | 913' | VERTICAL | Includes (0.10 cutoff) | 778–798' / 20'     | 0.154 | 0.19 |
|             |      |          | 10–15' / 5'            | 0.025              | 0.13  |      |
|             |      |          | 300–305' / 5'          | 0.011              | 0.04  |      |
|             |      |          | 310–315' / 5'          | 0.025              | 0.05  |      |

|              |                        |                 |                        |                 |       |      |
|--------------|------------------------|-----------------|------------------------|-----------------|-------|------|
| RL195C cont. |                        | 480–485'5'      | 0.010                  | 0.07            |       |      |
|              |                        | 490–495'5'      | 0.010                  | 0.05            |       |      |
|              |                        | 593–663'70'     | 0.147                  | 0.26            |       |      |
|              | Includes (0.10 cutoff) | 608–613'5'      | 0.288                  | 0.58            |       |      |
|              | Includes (0.10 cutoff) | 623–658'35'     | 0.221                  | 0.36            |       |      |
|              |                        | 668–673'5'      | 0.010                  | 0.35            |       |      |
|              |                        | 678–854.1'176.1 | 0.059                  | 0.19            |       |      |
|              | Includes (0.10 cutoff) | 833–854.1'21.1' | 0.211                  | 0.45            |       |      |
|              |                        |                 |                        |                 |       |      |
|              |                        |                 |                        |                 |       |      |
| RL196C       | 543'                   | VERTICAL        | 412–417'5'             | 0.010           | 0.10  |      |
|              |                        |                 | 458–500.5'42.5         | 0.083           | 1.81  |      |
|              |                        |                 | Includes (0.05 cutoff) | 458–491.5'33.5' | 0.101 | 2.29 |
|              |                        |                 | Includes (0.10 cutoff) | 458–463.7'5.7'  | 0.255 | 9.03 |
|              |                        |                 | Includes (0.10 cutoff) | 482–487.5'5.5'  | 0.152 | 0.36 |
| RL197C       | 1109'                  | VERTICAL        | 0–10'10'               | 0.046           | 0.08  |      |
|              |                        |                 | 120–125'5'             | 0.015           | 0.15  |      |
|              |                        |                 | 280–285'5'             | 0.085           | 0.13  |      |
|              |                        |                 | 570–585'15'            | 0.018           | 0.20  |      |
|              |                        |                 | 630/635'5'             | 0.010           | 0.06  |      |
|              |                        |                 | 845–875'30'            | 0.045           | 0.68  |      |
|              |                        |                 | Includes (0.05 cutoff) | 860–870'10'     | 0.092 | 0.44 |
|              |                        |                 | Includes (0.10 cutoff) | 865–870'5'      | 0.114 | 0.75 |
|              |                        |                 | 900–905'5'             | 0.012           | 0.12  |      |
|              |                        |                 | 935–945'10'            | 0.012           | 0.05  |      |
|              |                        |                 | 985–990'5'             | 0.010           | -0.02 |      |
|              |                        |                 | 1035–1040'5'           | 0.043           | 0.15  |      |
|              |                        |                 | 1055–1090'35'          | 0.025           | 0.89  |      |
|              |                        |                 |                        |                 |       |      |
| RL198C       | 745.5'                 | VERTICAL        | 310–315'5'             | 0.016           | 0.04  |      |
|              |                        |                 | 360–365'5'             | 0.039           | 0.09  |      |
|              |                        |                 | 390–400'10'            | 0.022           | 0.12  |      |
|              |                        |                 | 460–465'5'             | 0.010           | 0.09  |      |
|              |                        |                 | 520–605'85'            | 0.702           | 0.86  |      |
|              |                        |                 | Includes (0.10 cutoff) | 535–545'10'     | 0.235 | 0.22 |
|              |                        |                 | Includes (0.10 cutoff) | 565–600'35'     | 1.621 | 1.85 |
|              |                        |                 | 625–630'5'             | 0.056           | 0.09  |      |
|              |                        |                 | 650–685'35'            | 0.063           | 0.08  |      |
|              |                        |                 | 695–745.5'60.5'        | 0.022           | 0.07  |      |
| RL199C       | 1277'                  | N57W/-65        | 155–160'5'             | 0.032           | 0.08  |      |
|              |                        |                 | 370–375'5'             | 0.026           | 1.71  |      |
|              |                        |                 | 385–390'5'             | 0.012           | 0.87  |      |
|              |                        |                 | 410–415'5'             | 0.018           | 0.10  |      |
|              |                        |                 | 445–450'5'             | 0.010           | 0.09  |      |
|              |                        |                 | 455–470'15'            | 0.010           | 0.09  |      |
|              |                        |                 | 490–495'5'             | 0.010           | 0.01  |      |
|              |                        |                 | 530–535'5'             | 0.010           | 0.06  |      |
|              |                        |                 | 638–639.2'1.2'         | 0.019           | 0.09  |      |
|              |                        |                 | 850–885'35'            | 0.023           | 0.12  |      |
|              |                        |                 | 899–903'4'             | 0.023           | 0.08  |      |
|              |                        |                 | 938–943'5'             | 0.015           | 0.06  |      |

|   |                        |             |       |      |
|---|------------------------|-------------|-------|------|
| RL199C cont.                              | 1028–1033'5'           | 0.182       | 0.16  |      |
|   | 1053–1058'5'           | 0.013       | 0.07  |      |
|   | 1090.6–1096'5.4'       | 0.014       | 0.04  |      |
|   | 1156–1161'5'           | 0.016       | -0.02 |      |
|   | 1171–1176'5'           | 0.020       | 0.03  |      |
| KM3            974.5'            VERTICAL | 635–640'5'             | 0.010       | 0.06  |      |
|   | 708–713'5'             | 0.040       | 0.03  |      |
|   | 733–743'10'            | 0.048       | 0.16  |      |
|   | 768–773'5'             | 0.029       | 0.05  |      |
|   | 783–788'5'             | 0.014       | 0.12  |      |
|   | 818–823'5'             | 0.033       | 0.05  |      |
|   | 838–893'55'            | 0.024       | 0.14  |      |
|   | Includes (0.05 cutoff) | 853–858'5'  | 0.059 | 0.25 |
| RL200C        873'        VERTICAL        | 175–180'5'             | 0.013       | 0.14  |      |
|   | 200–205'5'             | 0.017       | 0.25  |      |
|   | 260–265'5'             | 0.023       | 0.46  |      |
|   | 600–631.5'31.5'        | 0.076       | 0.13  |      |
|   | Includes (0.05 cutoff) | 609–626'17' | 0.124 | 0.17 |
|   | Includes (0.10 cutoff) | 609–617'8'  | 0.194 | 0.24 |
|   | 668.5–688'19.5'        | 0.026       | 0.05  |      |
|   | Includes (0.05 cutoff) | 678–683'5'  | 0.054 | 0.05 |
|   | 698–712.5'14.5'        | 0.043       | 0.10  |      |
|   | Includes (0.05 cutoff) | 698–703'5'  | 0.060 | 0.11 |
|   | 727.5–737'9.5'         | 0.014       | 0.10  |      |
|   | 863–873'10'            | 0.018       | 0.06  |      |
| RL201C        881'        VERTICAL        | 225–230'5'             | 0.010       | 0.16  |      |
|   | 300–310'10'            | 0.019       | 0.07  |      |
|   | 350–355'5'             | 0.013       | 0.13  |      |
|   | 410–415'5'             | 0.018       | 0.11  |      |
|   | 590–595'5'             | 0.018       | 0.09  |      |
|   | 675–733'58'            | 0.331       | 0.36  |      |
|   | Includes (0.10 cutoff) | 675–708'38' | 0.486 | 0.48 |
|   | 743–748'5'             | 0.018       | 0.11  |      |
|   | 758.6–762'3.4'         | 0.014       | 0.13  |      |
|   | 788–826.5'38.5'        | 0.033       | 0.17  |      |
|   | 838–843'5'             | 0.011       | 0.16  |      |
|   | 848.5–854'5'           | 0.012       | 0.16  |      |
|   | 873–877'5'             | 0.073       | 0.09  |      |
|   | 563–573'10'            | 0.011       | 0.08  |      |
|   | 593–597'5'             | 0.017       | 0.02  |      |
| RL202C        802'        VERTICAL        | 602–607'5'             | 0.038       | -0.02 |      |
|   | 748–753'5'             | 0.016       | 0.05  |      |
| RL203C        860'        VERTICAL        | 368–373'5'             | 0.012       | 0.07  |      |
|   | 488–493'5'             | 0.433       | 0.61  |      |
|   | 498–508'10'            | 0.017       | 0.10  |      |
|   | 518–523'5'             | 0.010       | 0.13  |      |
|   | 553–583'30'            | 0.016       | 0.11  |      |
|   | 598–608'10'            | 0.021       | 0.13  |      |

|              |          |                        |                    |                   |
|--------------|----------|------------------------|--------------------|-------------------|
| RL203C cont. |          | 623–653' /30'          | 0.851              | 0.89              |
|              |          | Includes (0.10 cutoff) | 633–648' /15'      | 1.684             |
|              |          |                        | 673–683' /10'      | 0.016             |
|              |          |                        | 693–708' /15'      | 0.018             |
|              |          |                        | 723–792.5' /75.4'  | 0.091             |
|              |          | Includes (0.10 cutoff) | 768–787.6' /19.6'  | 0.291             |
|              |          | RL204C                 | VERTICAL           | 505–520' /25'     |
|              |          |                        |                    | 686–713' /27'     |
|              |          |                        |                    | 723–728' /5'      |
|              |          |                        |                    | 748–778' /30'     |
| RL205C       | VERTICAL | 80–90' /10'            | 0.019              | 0.1               |
|              |          | 245–255' /10'          | 0.019              | 0.1               |
|              |          | 275–380' /105'         | 0.022              | 0.16              |
|              |          | Includes (0.05 cutoff) | 275–280' /5'       | 0.054             |
|              |          | Includes (0.10 cutoff) | 340–345' /5'       | 0.130             |
|              |          |                        | 375–380' /5'       | 0.050             |
|              |          |                        | 433–438' /5'       | 0.016             |
|              |          |                        | 468–478' /10'      | 0.010             |
|              |          |                        | 547–551' /5'       | 0.015             |
|              |          |                        | 608–613' /5'       | 0.011             |
|              |          |                        | 628–638' /10'      | 0.017             |
|              |          |                        | 648–668' /20'      | 0.024             |
|              |          | Includes (0.05 cutoff) | 663–668' /5'       | 0.056             |
|              |          |                        | 698–708' /10'      | 0.033             |
|              |          | RL206C                 | 878.5'             | 50–55' /5'        |
|              |          |                        |                    | 165–170' /5'      |
|              |          |                        |                    | 383–388' /5'      |
|              |          |                        |                    | 493–498' /5'      |
|              |          |                        |                    | 518–523' /5'      |
|              |          |                        |                    | 577–582' /5'      |
|              |          |                        |                    | 655–660' /5'      |
|              |          |                        |                    | 672–747.7' /75.5' |
|              |          | Includes (0.10 cutoff) | 691–708' /17'      | 0.104             |
|              |          | Includes (0.05 cutoff) | 742.5–747.5' /5.5  | 0.075             |
|              |          |                        | 767.5–818' /50.5'  | 0.064             |
|              |          | Includes (0.10 cutoff) | 777.5'–787.5' /10' | 0.243             |
|              |          | Includes (0.05 cutoff) | 813–815' /5'       | 0.055             |
|              |          |                        | 828–833' /5'       | 0.010             |
|              |          |                        | 853–858' /5'       | 0.016             |
| RL207C       | VERTICAL | 503–508' /5'           | 0.013              | 0.05              |
|              |          | 513–518' /5'           | 0.010              | 0.04              |
|              |          | 523–528' /5'           | 0.013              | 0.06              |
|              |          | 608–613' /5'           | 0.031              | 0.06              |
|              |          | 653–683' /30'          | 0.027              | 0.17              |
|              |          | Includes (0.05 cutoff) | 663–668' /5'       | 0.074             |
|              |          |                        | 692–696' /4'       | 0.010             |
|              |          |                        | 700–705' /5'       | 0.011             |
|              |          |                        | 749.4–759' /9.6'   | 0.019             |
|              |          |                        |                    | 0.17              |

|              |       |          |                        |                 |       |       |
|--------------|-------|----------|------------------------|-----------------|-------|-------|
| RL207C cont. |       | VERTICAL | 769–813'44'            | 0.028           | 0.21  |       |
|              |       |          | Includes (0.05 cutoff) | 769–778'9"      | 0.056 | 0.17  |
|              |       |          |                        | 828–833'5"      | 0.012 | 0.07  |
|              |       |          |                        | 853–858'5"      | 0.025 | 0.86  |
|              |       |          |                        | 988–993'5"      | 0.015 | 0.03  |
|              |       |          |                        |                 |       |       |
| RL208C       | 692'  | VERTICAL | 443–453'10"            | 0.020           | 0.66  |       |
|              |       |          | 477–616'139"           | 0.075           | 1.56  |       |
|              |       |          | Includes (0.10 cutoff) | 523–558'35"     | 0.190 | 5.39  |
|              |       |          | Includes (0.10 cutoff) | 573–588'15"     | 0.148 | 0.78  |
|              |       |          | Includes (0.05 cutoff) | 602.5–607'4.5"  | 0.057 | 0.26  |
|              |       |          |                        | 626–630'4"      | 0.012 | 0.04  |
|              |       |          |                        | 649–652'3"      | 0.014 | -0.02 |
|              |       |          |                        |                 |       |       |
| RL209C       | 593'  | VERTICAL | 345–349'4"             | 0.023           | 0.12  |       |
|              |       |          | 363–424.5'61.5"        | 0.026           | 0.17  |       |
|              |       |          | Includes (0.05 cutoff) | 388–398.5'10.5" | 0.074 | 0.24  |
|              |       |          |                        | 439.5–491'51.5" | 0.111 | 4.62  |
|              |       |          |                        | 521–526'5"      | 0.024 | 0.77  |
|              |       |          |                        | 550–572.5'22.5" | 0.116 | 0.46  |
|              |       |          |                        |                 |       |       |
|              |       |          |                        |                 |       |       |
| RL210C       | 583'  | VERTICAL | 280.5–285'4.5"         | 0.015           | 0.07  |       |
|              |       |          | 393–453'60"            | 0.070           | 2.38  |       |
|              |       |          | Includes (0.05 cutoff) | 405–444'39"     | 0.099 | 3.35  |
|              |       |          | Includes (0.10 cutoff) | 410–420'10"     | 0.218 | 2.07  |
|              |       |          |                        | 517–547'30"     | 0.051 | 0.14  |
|              |       |          | Includes (0.10 cutoff) | 522–527'5"      | 0.191 | 0.30  |
|              |       |          |                        | 562–566.4/4.4"  | 0.012 | -0.02 |
|              |       |          |                        |                 |       |       |
| RL211        | 680'  | VERTICAL | 145–150'5"             | 0.010           | 0.06  |       |
|              |       |          | 170–180'10"            | 0.023           | 0.16  |       |
|              |       |          | 190–200'10"            | 0.013           | 0.08  |       |
|              |       |          | 215–265'50"            | 0.026           | 0.07  |       |
|              |       |          | 280–285'5"             | 0.017           | 0.08  |       |
|              |       |          | 305–310'5"             | 0.014           | 0.05  |       |
|              |       |          | 345–350'5"             | 0.035           | 0.12  |       |
|              |       |          | 365–375'10"            | 0.018           | 0.08  |       |
|              |       |          | 420–425'5"             | 0.015           | 0.08  |       |
|              |       |          | 450–455'5"             | 0.013           | 0.28  |       |
|              |       |          | 480–485'5"             | 0.043           | -0.02 |       |
|              |       |          | 495–500'5"             | 0.019           | 0.03  |       |
|              |       |          | 510–515'5"             | 0.041           | -0.02 |       |
|              |       |          | 570–575'5"             | 0.010           | -0.02 |       |
|              |       |          | 605–610'5"             | 0.034           | 0.06  |       |
|              |       |          |                        |                 |       |       |
| RL212        | 1065' | VERTICAL | 135–140'10"            | 0.030           | 0.08  |       |
|              |       |          | 315–320'5"             | 0.014           | 0.09  |       |
|              |       |          | 355–360'5"             | 0.099           | 0.08  |       |
|              |       |          | 390–395'5"             | 0.028           | 0.05  |       |
|              |       |          | 470–475'5"             | 0.011           | -0.02 |       |
|              |       |          | 570–575'5"             | 0.021           | 0.11  |       |
|              |       |          | 595–600'5"             | 0.021           | 0.17  |       |
|              |       |          | 650–655'5"             | 0.015           | 0.06  |       |

|                                |                        |             |       |      |
|--------------------------------|------------------------|-------------|-------|------|
| RL212 cont.                    | 680–690'10'            | 0.019       | 0.18  |      |
|                                | 720–740'20'            | 0.016       | 0.05  |      |
|                                | 800–805'5'             | 0.020       | 0.09  |      |
| RL213      865'      VERTICAL  | 735–800'65'            | 0.065       | 0.84  |      |
|                                | Includes (0.10 cutoff) | 765–780'15' | 0.252 | 2.72 |
|                                | 810–815'5'             | 0.012       | -0.02 |      |
|                                | 825–845'20'            | 0.018       | 0.05  |      |
| RL214      1000'      VERTICAL | 35–40'5'               | 0.012       | 0.06  |      |
|                                | 65–70'5'               | 0.038       | 0.11  |      |
|                                | 165–170'5'             | 0.014       | 0.02  |      |
|                                | 195–200'5'             | 0.011       | 0.26  |      |
|                                | 335–340'5'             | 0.044       | 0.10  |      |
|                                | 450–470'20'            | 0.018       | 0.26  |      |
|                                | 500–505'5'             | 0.014       | 0.04  |      |
|                                | 550–555'5'             | 0.047       | 0.09  |      |
|                                | 585–590'5'             | 0.021       | 0.04  |      |
|                                | 645–650'5'             | 0.015       | 1.66  |      |
|                                | 755–760'5'             | 0.023       | -0.02 |      |
|                                | 835–995'160'           | 0.048       | 0.16  |      |
|                                | Includes (0.10 cutoff) | 835–850'15' | 0.329 | 0.31 |
|                                | Includes (0.05 cutoff) | 960–965'5'  | 0.063 | 0.25 |
|                                | Includes (0.05 cutoff) | 980–985'5'  | 0.058 | 0.06 |
| RL215      825'      VERTICAL  | 260–375'115'           | 0.019       | 0.08  |      |
|                                | Includes (0.05 cutoff) | 325–330'5'  | 0.073 | 0.12 |
|                                | Includes (0.10 cutoff) | 345–350'5'  | 0.104 | 0.16 |
|                                | 390–405'15'            | 0.010       | 0.08  |      |
|                                | 630–635'5'             | 0.017       | 0.44  |      |
|                                | 660–665'5'             | 0.076       | 0.17  |      |
|                                | 735–745'10'            | 0.022       | 0.10  |      |
|                                | 785–790'5'             | 0.014       | 0.09  |      |
|                                | 65–70'5'               | 0.014       | 0.23  |      |
|                                | 180–185'5'             | 0.014       | -0.02 |      |
| RL216      600'      VERTICAL  | 255–265'10'            | 0.014       | 0.05  |      |
|                                | 295–300'5'             | 0.011       | 0.06  |      |
|                                | 310–315'5'             | 0.016       | 0.15  |      |
|                                | 355–360'5'             | 0.013       | 0.07  |      |
|                                | 410–425'15'            | 0.012       | 0.15  |      |
|                                | 485–490'5'             | 0.015       | 0.08  |      |
|                                | 105–110'5'             | 0.011       | 0.21  |      |
|                                | 615–825'210'           | 0.102       | 2.75  |      |
| RL217      825'      VERTICAL  | Includes (0.10 cutoff) | 720–745'25' | 0.447 | 0.73 |
|                                | 720–885'170'           | 0.025       | 0.43  |      |
|                                | 750–755'5'             | 0.150       | 0.44  |      |
| RL221      935'      VERTICAL  | 915/920'5'             | 0.013       | 0.83  |      |
|                                | 510–515'5'             | 0.015       | 0.07  |      |
|                                | 610–615'5'             | 0.015       | 0.1   |      |
| RL222      1000'      VERTICAL | 755–760'5'             | 0.010       | 2.53  |      |
|                                | 785–790'5'             | 0.014       | 0.05  |      |

|             |             |       |      |
|-------------|-------------|-------|------|
| RL222 cont. | 795-800'/5' | 0.010 | 0.08 |
|             | 810-815'/5' | 0.012 | 0.06 |
|             | 900-905'/5' | 0.010 | 0.11 |

**DREAMLAND**

|       |      |          |               |  |  |
|-------|------|----------|---------------|--|--|
| RL223 | 700' | VERTICAL | NO INTERCEPTS |  |  |
| RL224 | 465' | VERTICAL | NO INTERCEPTS |  |  |

**NORTH ROSEBUD PEAK**

|       |      |            |               |  |  |
|-------|------|------------|---------------|--|--|
| RL225 | 630' | N.80E./-60 | NO INTERCEPTS |  |  |
| RL226 | 245' | VERTICAL   | NO INTERCEPTS |  |  |
| RL227 | 585' | VERTICAL   | NO INTERCEPTS |  |  |

**CHANCE**

|       |      |            |               |       |       |
|-------|------|------------|---------------|-------|-------|
| RL228 | 600' | VERTICAL   | NO INTERCEPTS |       |       |
| RL229 | 620' | S.85E./-70 | 285-290'/5'   | 0.040 |       |
|       |      |            | 305-310'/5'   | 0.012 | -0.02 |
| RL230 | 630' | S.60E./-60 | 45-50'/5'     | 0.011 | -0.02 |
|       |      |            | 60-65'/5'     | 0.010 | -0.02 |
| RL231 | 500' | S.90E./-45 | NO INTERCEPTS |       |       |
| RL232 | 595' | S.60E./-45 | 415-420'/5'   | 0.011 | -0.02 |
| RL233 | 640' | VERTICAL   | NO INTERCEPTS |       |       |

**DEGERSTROM**

|       |      |            |               |       |       |
|-------|------|------------|---------------|-------|-------|
| RL234 | 700' | VERTICAL   | NO INTERCEPTS |       |       |
| RL235 | 525' | N.90W./-63 | NO INTERCEPTS |       |       |
| RL236 | 365' | VERTICAL   | NO INTERCEPTS |       |       |
| RL237 | 445' | VERTICAL   | 5-15'/10'     | 0.020 | 0.06  |
|       |      |            | 80-95'/15'    | 0.015 | -0.02 |
|       |      |            | 135-140'/5'   | 0.026 | 0.02  |

**SHORT SHOT**

|       |      |               |  |  |
|-------|------|---------------|--|--|
| RL238 | 500' | NO INTERCEPTS |  |  |
| RL239 | 525' | NO INTERCEPTS |  |  |
| RL240 | 375' | NO INTERCEPTS |  |  |

**DOZER HILL**

|        |      |          |                       |       |       |
|--------|------|----------|-----------------------|-------|-------|
| RL241C | 541' | VERTICAL | 164-210'/46'          | 0.040 | 0.20  |
|        |      |          | Includes (.05 Cutoff) | 0.076 | 0.31  |
|        |      |          | 298-303'/5'           | 0.022 | 0.05  |
| RL242C | 698' | VERTICAL | 60-65'/5'             | 0.013 | 0.17  |
|        |      |          | 513-516.5'/3.5'       | 0.016 | 0.20  |
|        |      |          | 526-580'/54'          | 0.021 | 0.30  |
|        |      |          | 595-615.3'/20.3'      | 0.021 | 0.05  |
|        |      |          | 640-659.2/19.2'       | 0.032 | 0.04  |
|        |      |          | Includes (.10 Cutoff) | 0.116 | 0.06  |
|        |      |          | 653-656.5'/3.5'       | 0.013 | -0.02 |
|        |      |          | 674-689'/15'          |       |       |
| RL243C | 798' | VERTICAL | 665-753'/89'          | 0.032 | 0.10  |
|        |      |          | Includes (.05 Cutoff) | 0.051 | 0.07  |
|        |      |          | 703-708'/5'           | 0.057 | 0.14  |
|        |      |          | Includes (.10 Cutoff) | 0.186 | 0.32  |

| <b>SHORT SHOT</b> |      |                       |   |  |  |
|-------------------|------|-----------------------|---|--|--|
| RL244             | 200' | VERTICAL              | NO INTERCEPT  |  |  |
| <b>DOZER HILL</b> |      |                       |   |  |  |
| RL245             | 900' | VERTICAL              | NO INTERCEPT  |  |  |
| RL246             | 245' | S.41E./-61            | 75-80'/5'<br>100-115'/15'   | 0.016<br>0.026   | 0.06<br>0.18   |
| RL247             | 625' | VERTICAL              | 120-130'/10'<br>145-150'/5'<br>170-175'/5'<br>185-190'/5'<br>210-215'/5'<br>330-335'/5'<br>350-390'/40'               | 0.015<br>0.013<br>0.018<br>0.066<br>0.012<br>0.019<br>0.145          | 0.05<br>0.07<br>1.46<br>0.09<br>0.29<br>0.12<br>2.10         |
|                   |      | Includes (.05 Cutoff) | 350-385'/35'  | 0.161  | 2.37   |
|                   |      | Includes (.10 Cutoff) | 350-375'/25'  | 0.203  | 2.99   |
|                   |      |                       | 425-430'/5'   | 0.031  | 0.06   |
|                   |      |                       | 455-535'/80'  | 0.089  | 0.37   |
|                   |      | Includes (.05 Cutoff) | 460-500'/40'  | 0.149  | 0.47   |
|                   |      | Includes (.10 Cutoff) | 460-490'/30'  | 0.174  | 0.42   |
| RL248             |      | VERTICAL              | 135-140'/5'<br>150-155'/5'<br>175-180'/5'<br>240-245'/5'<br>260-265'/5'<br>270-275'/5'<br>280-285'/5'<br>290-310'/20' | 0.010<br>0.028<br>0.024<br>0.011<br>0.010<br>0.023<br>0.024<br>0.018 | 0.04<br>0.08<br>0.10<br>1.45<br>0.08<br>2.83<br>0.40<br>0.80 |
| RL249             | 785' | VERTICAL              | NO INTERCEPT  |  |  |

## Appendix 4:

**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  |
|----------|--------------|-------------------------|---|--|--|
| <hr/>    |              |                         |   |  |  |
| KM–1     | 605          | S12W/–75                | NIL   |  |  |
| KM–2     | 605          | VERT.                   | 100–105'/5'<br>390–400'/10'<br>590–605'/15'   | 0.020<br>0.014<br>0.012  | ~ 0.05<br>1.04<br>0.29                                       |
| KM–3     | 600          | VERT.                   | 15–25'/10'<br>115–120'/5'<br>430–435'/5'<br>450–470'/20'<br>490–495'/5'<br>555–560'/5'<br>575–585'/10'<br>595–600'/5' | 0.094<br>0.093<br>0.026<br>0.011<br>0.011<br>0.011<br>0.018<br>0.013 | 0.06<br>0.39<br>0.05<br>0.06<br>0.15<br>0.04<br>0.07<br>0.09 |
| KM–4     | 600          | VERT.                   | 160–170'/10'<br>175–180'/5'<br>250–255'/5'<br>530–540'/10'  | 0.018<br>0.021<br>0.041<br>0.117                                     | 0.07<br>~ 0.04<br>~ 0.03<br>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'<br>265–270'/5'<br>285–290'/5'<br>320–325'/5'<br>540–550'/10'<br>560–565'/5'<br>590–600'/10'               | 0.019<br>0.010<br>0.039<br>0.076<br>0.016<br>0.049<br>0.019          | 0.08<br>0.04<br>0.03<br>~ 0.05<br>0.07<br>~ 0.04<br>–0.02    |
| KM–9     | 365          | VERT.                   | 165–170'/5'<br>180–190'/10'<br>325–335'/10'<br>350–365'/15'   | 0.016<br>0.018<br>0.053<br>0.027                                     | ND<br>ND<br>ND<br>ND   |

**Appendix 4 cont.**

|       |     |          |             |       |    |
|-------|-----|----------|-------------|-------|----|
| 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  |   |                            |
| <b>TOTAL:</b> | <b>9,995</b> |          | <b>22 Holes</b>  |   |                            |