

# SULTAN MINERALS INC.

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## NEWS RELEASE

January 29, 1996

SYMBOL: SUL-vse

### NEW DISCOVERY RESULTS IN ADDITIONAL STAKING OVER JERSEY-EMERALD PROPERTY

The Company is pleased to report that it has received and compiled the final results for the November 1995 geochemical survey completed over its Jersey-Emerald property near Salmo B.C. Results for the 1,600 sample survey confirm earlier reconnaissance work and show three distinct metal rich targets on the 39-square-km property including a previously unknown area East of the North/South fault. Mineralization was previously thought to stop at the fault. The three zones are referred to as: 1) the Iron Mountain copper-zinc-silver zone, 2) the Emerald-Leroy gold-tungsten zone and 3) the Jersey lead-zinc zone.

Of major interest is the new discovery of the Iron Mountain anomaly, which is a copper-zinc-silver soil anomaly situated in an overburden covered area approximately 1.5 km east of the former Jersey mine.. The north-trending anomaly is 2.5 km long, more than 1.0 km wide and remains open to the east. It is defined by copper values up to 500 ppm, zinc values up to 2,000 ppm, and silver values up to 5 ppm. The anomalous metal values occur near a 1.5 km long Dighem airborne geophysical anomaly discovered in 1994. Because of the potential importance of the Iron Mountain anomaly the company has acquired the mineral rights to an additional 900 hectares of land along the east side of the property.

The Emerald-Leroy anomaly is a 2.5-km-long, north trending zone, defined by anomalous gold tungsten and arsenic soil values. The soil results suggest that two previously known targets, the Leroy gold zone and the Emerald gold-tungsten zone are probably related. Previous work over this area has shown gold and tungsten mineralization to be associated with quartz and sulfide-rich skarn horizons near the contact with the Emerald granodiorite body. The 1995 prospecting program obtained gold grades up to 0.89 oz/t along this zone and previous mining operations by Placer Dome recovered some 1.6 million tons of tungsten ore from an 800 metre section of this extensive anomaly.

The Jersey lead-zinc anomaly is a 2.2-km-long Lead and Zinc soil anomaly that follows the surface trace of the former 8.0-million-ton Jersey lead-zinc ore deposit. The former ore zone is defined by zinc values of greater than 1,000 ppm and lead values of greater than 200 ppm. Several anomalous gold values occur clustered over the north and south end of this anomaly. These are believed to be reflecting surface exposures of the Bismuth gold zone which overlies the flat-lying Jersey lead-zinc deposit. The Jersey lead-zinc deposit was mined by Placer Dome Ltd. from 1947 to 1973 and was at that time one of their most important mines. It is believed to be of sedimentary-exhalative origin.

In light of the size and magnitude of the anomalies discovered by this recent work program the company is currently re-assessing its options for the property. Follow-up work is expected to commence as soon as the property is snow free.

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February 23, 1996

SYMBOL: SUL-vse

## **NEWS RELEASE**

### **EXPLORATION UPDATE JERSEY-EMERALD PROPERTY**

The company has contracted P & L Exploration Consultants of Smithers B.C. to prepare plans for a surface exploration program over its Jersey-Emerald gold and base metal property located near Salmo in southeastern B.C. The program will involve diamond drilling, trenching and follow-up geochemistry over the three targets reported in the January 28, 1996 news release. When plans are finalized a notice of work will be filed with the Ministry of Mines to obtain permitting for the project. Follow-up work is expected to commence in May.

The planned program will give priority to the Iron Mountain copper-zinc-silver anomaly. Work is also being planned for the Emerald-Leroy gold-tungsten zone and the Bismuth gold zone.

The recently discovered Iron Mountain geochemical anomaly is 2.5 km long, more than 1.0 km wide, and remains open to the east. The size and magnitude of this geochemical anomaly suggests that this target could represent a mineralized zone with important open pit potential. The anomaly lies just 1.0 km east of the former Jersey lead-zinc-silver mine which was operated by Placer-Dome Ltd. from 1947 to 1972.

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July 9, 1996

SYMBOL: SUL-vse

## **NEWS RELEASE**

### **DRILL CONTRACT SIGNED FOR JERSEY-EMERALD PROPERTY**

The Company is pleased to report that it has signed a contract with Westgate Diamond Drilling of Salmo B.C. for a minimum of 5,000 feet of surface diamond drilling and 500 feet of underground drilling on its Jersey-Emerald property in southeastern B.C. The drill program will test the Iron Mountain copper-zinc-silver zone, the Emerald-Leroy gold zone and the Bismuth gold zone.

In preparation for the underground drill program the Dodger 4200 and Jersey 4200 portals have been reopened and the planned drill stations surveyed and prepared for drilling. Air quality and air flow testing has recently been completed and ventilation fans are presently being installed.

Surface exploration is being supervised by P&L Geological Consultants of Smithers, B.C. Geological mapping, soil sampling and prospecting surveys are presently under way on the property, and more than 900 surface samples have been sent for assay. The planned network of access roads required for the drill program have been completely surveyed in and subsequently inspected by government authorities. Road construction will commence shortly.

The principal target is the extensive Iron Mountain zone where drilling is expected to commence in early August. This is a 2.5-km-long and 1.3-km-wide copper-zinc-silver soil anomaly, situated in an overburden covered area approximately 1.5 km east of the former Jersey mine. Prospecting during the current season has discovered several insitu copper occurrences over this zone suggesting the anomaly to be in place and reflecting bedrock mineralization.

Secondary drill targets are the Emerald-Leroy and Bismuth gold zones. The Emerald-Leroy anomaly is a 2.5-km-long, north trending zone located 1.0 km west of the Jersey mine. The zone is defined by anomalous gold tungsten and arsenic soil values. The 1995 prospecting program obtained gold grades up to 0.89 oz/ton from this zone. The Bismuth zone is an underground gold target situated along the east side of the Jersey lead-zinc deposit. Previous underground sampling programs have returned assays up to 0.35 oz/ton gold and up to 4.0 oz/ton silver across narrow exposures of the Bismuth zone.

For more information, please contact  
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July 15, 1996

SYMBOL: SUL-vse

## NEWS RELEASE

### DIAMOND DRILLING BEGINS JERSEY-EMERALD PROPERTY

The company is pleased to report that underground diamond drilling has commenced at the Jersey-Emerald project near Salmo in southeastern B.C. The initial holes will test the Bismuth Gold Zone where previous underground sampling has returned assays up to 0.35 oz/ton gold and up to 4.0 oz/ton silver. The present drill program will attempt to confirm the presence of this zone, and determine its width, strike, dip and average gold content.

The Bismuth Zone is a flat-lying gold and native bismuth enriched horizon which overlies the former Jersey lead-zinc-silver deposit. The zone was intersected and recognized in several surface and underground holes drilled by Placer-Dome, the former operator of the mine. Because of low gold prices at the time the intersections were not assayed for gold but drill logs suggest that the zone is up to 60 feet thick. Drill intersections are reported over a strike length of at least 2,000 feet suggesting potential for significant tonnage.

Mr. Ed. Lawrence of Westbank, B.C. has been contracted to supervise the underground drilling program. Mr. Lawrence was manager of the Jersey and Emerald Mines for the last six years of mining operations. He was initially employed as mine geologist at the Jersey Mine in 1962 and was promoted to the position of mine manager in 1968. Mr. Lawrence's intimate knowledge of the Jersey and Emerald deposits will be a valuable asset to this project.

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July 24, 1996

SYMBOL: SUL-vse

## NEWS RELEASE

### THREE PROPERTY ACQUISITIONS IN SALMO, BC

The Company is pleased to announce that it has entered into option agreements to acquire the rights to three mineral properties situated adjacent to and along strike from mineralization on Sultan's Jersey-Emerald property near Salmo British Columbia. All three properties are showing mineralization consistent with that of the Jersey-Emerald property and extend Sultan's presence in this mineralized region of BC. The three properties are the Tungsten King zinc-lead-tungsten property, the Truman Hill zinc property, and the Leroy North gold property

The Tungsten King prospect is situated 600 metres along strike to the south of the former Jersey lead-zinc mine. This property is comprised of 17 Crown-granted mineral claims in two adjacent claim groups, and has several zinc and tungsten showings. The Company can acquire a 100% interest in 14 of the crown grants by making a single payment of 100,000 shares in the capital of Sultan Minerals Inc., and has an option to acquire a 100% interest in three adjacent crown grants by making cash payments totaling \$100,000 over five years.

The Truman Hill zinc property is comprised of 11 mineral units in three claims situated immediately south of the Tungsten King prospect. Two zinc showings are reported. The Leroy North gold property, comprised of 6 mineral claims, is situated 3.0 km north and along strike from the Emerald-Leroy gold zone on the Jersey-Emerald property. Under the terms of the agreement, the Company can acquire a 100% interest in the Truman Hill and Leroy North properties by making payments of \$25,000 and 55,000 shares over six months. The properties are subject to a 1.5% NSR royalty to the vendor, Emerald Gold Mines Ltd. of Nelson, B.C., however Sultan may acquire 50% of that royalty for 25,000 shares.

The company has commenced a 2,000 meter diamond drill program on the Jersey-Emerald property. The initial holes will attempt to confirm the sampling assays of up to 0.35 oz/ton gold and 4.0 oz/ton silver in the Bismuth-Gold Zone target.

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## NEWS RELEASE

August 30, 1996

SYMBOL: SUL-vse

### JERSEY-EMERALD PROPERTY EXPLORATION UPDATE

The company is pleased to report that the exploration program over its Jersey-Emerald property near Salmo in southeastern BC is expanding rapidly following completion of a \$400,000 financing in July.

#### DRILL PROGRAM:

Three hundred feet of underground diamond drilling in three holes on the Bismuth Gold Zone have been completed. The holes were drilled to investigate the grade and attitude of a reported 2,000 foot long, flat-lying, gold and native bismuth enriched horizon which overlies the former Jersey lead-zinc-silver deposit.

**Hole 1** drilled at +65° intersected the Bismuth zone over a core length of 30.7 feet. The results show high grade gold mineralization along both margins of the mineralized structure.

**Hole 2** drilled below hole 1 at +35° stopped short of the zone due to drilling complications.

**Hole 3** drilled at 45° to hole 1 intersected a parallel gold zone over a core length of 3.9 feet.

The three holes have also intersected sections of significant zinc and lead mineralization. Assays are as follows:

HOLE	DIP/AZ.	FROM (Ft.)	TO (Ft.)	LENGTH (Ft.)	Au g/t	Ag g/t	Pb %	Zn %
DDH UG-1-96	+65°/142°	47.5	51.1	3.6	-	1.3	0.02	6.70
and		66.3	97.0	30.7	3.23	22.9	-	-
Including		66.3	72.9	6.6	6.50	32.7	-	-
Including		94.0	97.0	3.0	7.45	26.4	-	-
DDH UG-2-96	+35°/142°	16.0	20.1	4.1	-	6.3	0.92	10.38
DDH UG-3-96	+65°/098°	24.8	31.0	5.2	-	59.3	1.14	2.50
and		55.6	59.5	3.9	2.28	71.6	0.15	0.03

A 5,000 foot surface diamond drilling program has commenced to test the Iron Mountain copper-zinc-silver zone, the Bismuth Gold zone and the Emerald-Leroy Gold zone. Four short holes have been completed over the Emerald-Leroy Zone and the first of three deep drill holes planned for the Iron Mountain anomaly is currently being drilled. Upon completion of the three holes, the drill will be moved to test the strike extension of the Bismuth zone where drill logs from the Jersey lead-zinc mine suggest that the mineralized body could be up to 50 feet thick.

### **REGIONAL PROGRAM**

Geochemical sampling has expanded the Iron Mountain soil anomaly and is defining a silver-zinc-copper anomaly of similar size and magnitude in the Wilson Creek area, 3.0 km along strike to the south of Iron Mountain. Prospecting currently underway over the recently acquired claims has located and sampled several new showings. Of particular interest are the Tungsten King and Truman Hill prospects where several high grade zinc and lead showings have now been discovered.

Because of the magnitude and open-pit potential of the Iron Mountain zone, the company has expanded its mineral rights to approximately 10,000 hectares along a 15 km section of this highly mineralized belt.

### **DATABASE ACQUISITION**

Sultan Minerals Inc. has now acquired Placer-Dome's geological database for the Jersey and Emerald mines. The database includes over 2,000 maps, plans and sections for the two mines as well as surface maps and reports on many nearby mineral deposits. Logs and sections for more than 4,000 underground drill holes provide important information on the deposits and on several adjacent untested mineral occurrences. Of particular interest are the results of an exploration drilling program completed just prior to closure of the mine. The extensive data base is currently being studied and entered into a computer file by two senior geologists. It is anticipated that several new drill targets will be generated by this study.

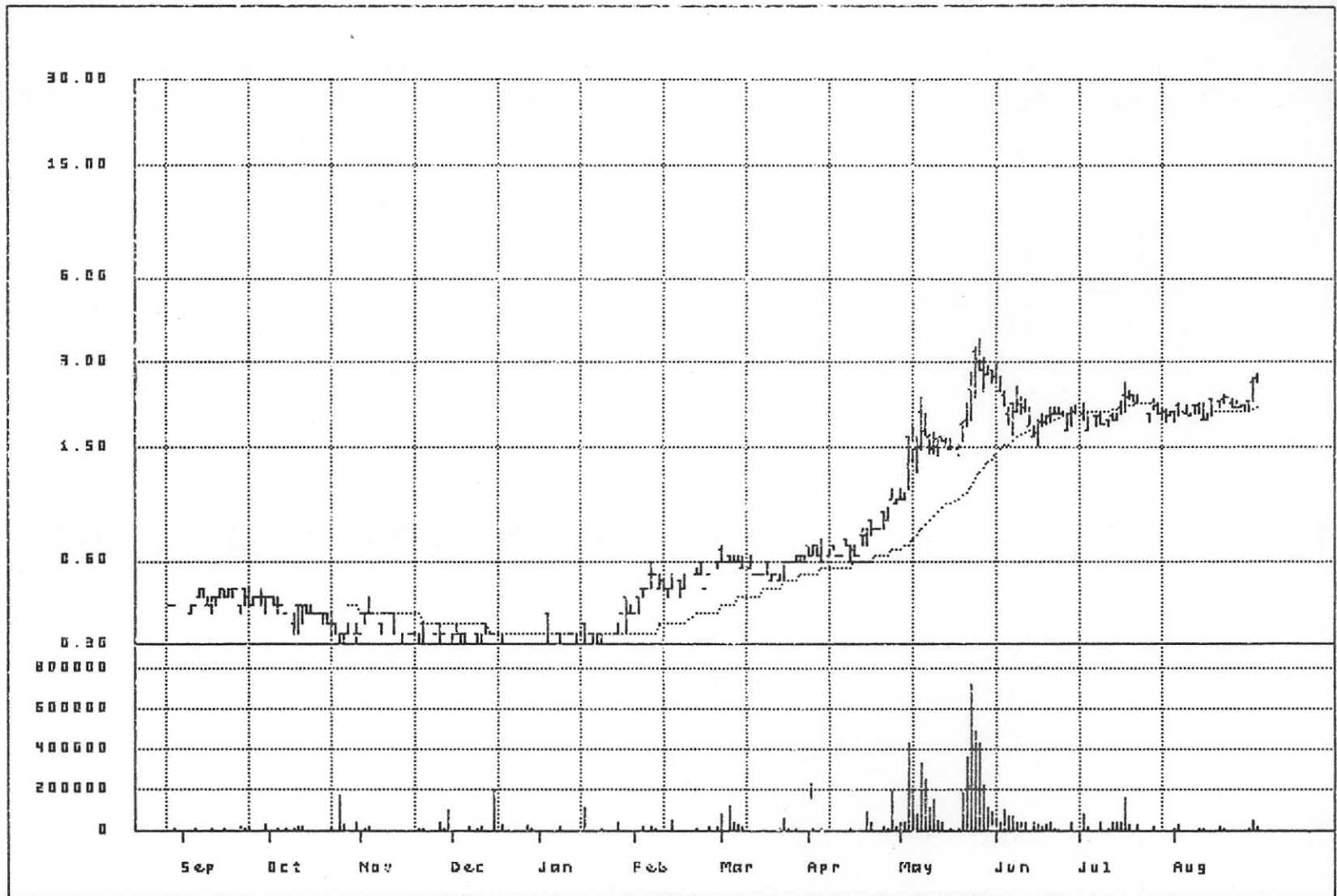
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## NEWS RELEASE

October 1, 1996

SYMBOL: SUL-vse

### RE: PROPERTY ACQUISITIONS, SALMO AREA, B.C.

The Company has entered into option agreements to acquire the rights to three mineral properties located near Salmo, British Columbia. The three properties are the Summit gold property, the Boncher tungsten property and the Jumbo No. 2 tungsten property. All three are situated adjacent to mineralized zones on Sultan's Jersey-Emerald property.

The Summit Gold prospect is comprised of five mineral claims situated immediately east of the Jersey lead-zinc property. This property has geologic formations similar to those found over the Jersey and Emerald mines and is located at the south end of the historic Sheep Creek Gold Belt. Previous exploration has located a north-south trending gold soil geochemical anomaly on the property and assays up to 1.0 oz/ton gold or greater have been obtained from a short adit at the north end of the property. Sultan can purchase a 100% interest in the Summit property by making payments of \$10,000 and 30,000 shares over six months. The property is subject to a 2.0% NSR royalty to the vendor, Mr. Ken Murray of Nelson, B.C. however Sultan has the right to purchase this royalty for \$500,000.

The Boncher and Jumbo No. 2 tungsten properties are individual crown grants located within the Jersey claim block immediately east of the Iron Mountain zinc-copper-silver geochemical anomaly. The Boncher claim is jointly owned by J.C. Hearn and A.W. Hearn both of Salmo, B.C. The Jumbo No. 2 claim is jointly owned by E.B. Hearn and H.M. Hearn, also of Salmo B.C.

Under the terms of these agreements, Sultan can purchase a 100% interest in each of the Crown Grants for \$5,000 and 2,500 shares respectively.

The foregoing agreements are subject to approval of the Vancouver Stock Exchange.

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## NEWS RELEASE

October 10, 1996

SYMBOL: SUL-vse

### EXPLORATION DRILLING UPDATE JERSEY-EMERALD PROPERTY

The Company has now completed 1,300 metres of surface and underground diamond drilling in its continuing exploration program over the Jersey-Emerald property near Salmo, B.C. Preliminary, exploration drilling has been completed over the Bismuth gold zone, the Emerald gold zone, and the Iron Mountain copper-zinc-silver zone.

#### BISMUTH GOLD ZONE:

Consistent gold values and mineralized widths are being obtained from drill results over the Bismuth zone which parallels the east limb of the Jersey lead-zinc orebody. Surface drill hole G96-5, a 200 metre step-out to the north of previously reported underground intersections in hole UG96-1, has confirmed the continuation of this flat lying, 9.0 metre thick zone. Assays and thickness for the two drill hole intersections are given below.

Hole	DIP/AZ	FROM (m)	TO (m)	LENGTH (m)	Au g/t	Ag g/t
DDH G96-5	-85°/090°	170.7	179.7	9.0	2.05	2.0
Including		176.7	178.7	2.0	8.33	3.0
DDH UG-1-96	+65°/142°	20.2	29.6	9.4	3.23	22.9
Including		20.2	22.2	2.0	6.50	32.7
Including		28.6	29.6	1.0	7.45	26.4

A review of the mine records for drilling completed in the 1940's and 1950's indicates that this gold-rich sulfide zone was intersected in drill holes over a north-south distance of 1,100 metres. These records suggest that the body follows the east side of the Jersey lead-zinc orebody and ranges from 1.2 to 18.0 metres in thickness. The former drilling was done for lead, zinc and tungsten and therefore the holes were not assayed for gold or silver.

#### EMERALD GOLD ZONE:

Results of the recent program have also identified a second gold enriched zone along the west limb of the former Jersey lead-zinc orebody. This zone, the Emerald Gold Zone, was initially intersected in a 1994 drill hole and has now been identified and sampled at

three locations along a 600 metre, north-south, strike length. The zone is narrow but persistent and dips east at 55°. Assays obtained from this zone are as follows:

SAMPLE TYPE	LOCATION	WIDTH (m)	Au g/t	Ag g/t
Chip sample	Emerald Pit exposure	1.0	5.39	22.0
DDH-G96-3	300 metres south of Emerald Pit	1.1	4.12	6.90
DDH-94-1	600 metres south of Emerald Pit	0.9	27.3	34.4

Due to the lateral continuity with areas of high grade, this zone will require additional testing along strike and down dip.

#### IRON MOUNTAIN ZONE:

The Company has recently completed 600 metres of drilling in three holes along a 500 metre section of the Iron Mountain Zone. This 2.5 km long by 1.0 km wide copper-zinc-silver soil anomaly is situated in an overburden covered area, 1.5 km east of the former Jersey mine. All three holes intersected a laminated, 160 metre thick, sulfide-rich schist sequence, carrying pyrite, pyrrhotite, sphalerite and chalcopyrite. Within this zone zinc concentrations ranged from 0.15% to 0.65% and copper values were less than 0.1%. The three holes demonstrate enormous tonnage potential for this zone. The banded nature of the mineralization is very encouraging and suggests that economically important, sediment-hosted, massive sulphide mineralization may occur over adjacent portions of the zone.

Drilling and surface exploration is continuing and in response to the encouraging results to date, the Company is considering an expanded drill program.

**Frank A. Lang**  
President

**Arthur G. Troup**  
Vice President,  
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## NEWS RELEASE

January 10, 1997

SYMBOL: SUL-vse

### **DRILL CONTRACT SIGNED FOR JERSEY-EMERALD PROPERTY**

Sultan Minerals Inc. is pleased to report that it has signed a contract with Westgate Diamond Drilling of Salmo B.C. for a minimum of 1,000 metres (3,000 feet) of underground diamond drilling on its Jersey-Emerald property in southeastern B.C. The drill program will test the Lower Jersey Horizon and the previously reported Bismuth Gold Zone (please see news releases of Nov. 27 and Oct. 10, 1996).

The Lower Jersey Horizon is a recently discovered zinc and lead enriched dolomite horizon, located approximately 60 metres below the previously mined Jersey orebody. This new mineralized horizon has been identified in six diamond drill holes over a strike length of 1,600 metres (5,000 feet) and a width of 500 metres (1,500 feet). Because of the presence of the former mine workings only the outer edge of this new zone has been tested by surface drilling completed to date. Within the area tested the widest mineralized intercept is 8.7 metres (28.5 feet), and the best single intersection graded 8.1% zinc and 3.8% lead across 1.3 metres (4.3 feet). The new zone was only recently recognized when consulting geologist, Ed Lawrence, related the mineralized intercepts to a new mine model of the horizons underlying the former Jersey orebody. The model is based on surface and underground geology and in particular two underground holes, JU848 and JU270, drilled by Placer-Dome prior to the mine's closure in 1973. Mr. Lawrence is former manager of the Jersey Mine.

The Bismuth Zone is a flat-lying gold enriched horizon which overlies and trends parallel to the east limb of the former Jersey lead-zinc-silver deposit. Two holes drilled into this zone in 1996 intersected a flat lying, 9.0 metre (30 foot) thick, pyrrhotitic horizon with gold grades ranging from 2.0 to 8.3 g/Tonne. A review of the mine records for drilling completed in the 1940's and 1950's indicates that this gold-rich sulfide zone was intersected in surface and underground drill holes over a north-south distance of 1,000 metres (3,500 feet). These records suggest that the body ranges from 1.0 to 18.0 metres (4.0 to 60.0 feet) in thickness. The former drilling was done for lead, zinc and tungsten and therefore the holes were not assayed for gold or silver.

The company has now obtained the necessary permits to carry out this underground program and drilling is scheduled to commence early in February, 1997.

A.G. Troup, V.P. Exploration

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