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# Lysander Gold Corporation

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# Gold & Copper in BRAZIL & CANADA

**BRAZIL:** Company Acquires Legendary Gold Mine. The Company has an agreement to acquire an indirect 80 percent interest in the Passagem Gold Mine at Mariana in the state of Minas Gerais, Brazil. Passagem is close to the city of Belo Horizonte, the mining capital of Minas Gerais, and approximately 440 kilometres from Rio de Janeiro.

The *Passagem Mine* is one of Brazil's oldest and longest producing gold mines. Mining began in the early 18th century and continued intermittently until 1974. In this period, with relatively primitive mining techniques, *Passagem* yielded more than 1.1 million ounces of gold. Current analyses suggest the *Passagem Mine* still contains several million ounces of gold.

Lysander has entered into an agreement with Teck Corporation where Teck, through private placements in Lysander totaling \$8.8 million, will fund drill programs and a preliminary feasibility study on the *Passagem*. Teck has the right to earn an indirect 50% interest in the *Passagem* by providing any additional funding and arranging production financing. Drilling commenced in October, 1995 and results to date have been encouraging.

The Legendary **Passagem Mine** in Brazil has potential for several million ounces of gold

**CANADA:** Encouraging Results from Lorraine, B.C. Lysander has completed a major land assembly adjacent to the Lorraine copper-gold Property which lies approximately 300 km northwest of Prince George, B.C.. Including the Lorraine copper-gold Property and the Dorothy copper-gold Property optioned from Kennecott Canada Inc., the Boot-Steele Property and the Steelhead Property acquired from prospectors and the wholly owned PAL claims, the areas encompasses a contiguous 250 sq. km. Land was acquired on the basis of a 10 km diameter magnetic ring structure now called The Jajay Ring. At Lorraine, work in 1996 has continued to intersect high grade sections of copper and gold similar to that drilled in 1995 on the Lorraine and Bishop Zones. Strike extensions to the Bishop Zone appear to be rapidly leading to Lysander establishing a basic 25,000,000 tonnes of 1% copper equivalent which will be the basis of original mine planning and preliminary evaluation of the district shows a number of highly perspective new targets.

The CAT Property which lies to the north and adjacent to our land assembly contains a large sulphide system related to a high level alkalic centre which has demonstrated significant gold values.

The **OP** *Gold* property, close to Echo Bay's Lupin Mine in NWT, is under option to Echo Bay Mines Ltd. Following encouraging drill results of gold bearing iron formation and geophysical exploration in 1993, Echo Bay extended geophysical coverage to the whole property.

Lysander Gold Corporation Shares Authorized/Outstanding Price - 52 week high VSE Trading zymbol "LYS" 100,000,000/16,097,221 \$1.59 Cdn

## Management:

Lysander's directors have extensive world wide experience in mining and mine financing

#### **STEPHEN R. SOPHER; President**

Mr. Sopher has over 30 years of experience in worldwide mining projects. He is responsible for the discovery of two nickel deposits, a copper deposit and the CRIXAS large tonnage and high grade gold mine in Brazil. He spent over 19 years in Brazil as president of INCO's Brazilian subsidiary. He was Vice President of Inco Exploration responsible for world wide exploration. Most recently he was Executive Vice President of TVX Gold Inc., having been instrumental in merging Inco Gold with TVX.

#### **ANDREW F.B. MILLIGAN; Director**

Over the past 15 years he has been associated with several producing gold companies, serving successively as President of TRV Minerals Corporation, President of Glamis Gold Ltd., and presently as President and CEO of Cornucopia Resources Ltd.

#### **DONALD K. MUSTARD; Director**

Mr. Mustard has spent over 40 years in mineral exploration in South Africa and North America with Anglo American Corporation, Amax Explorations Inc. and Cerro Mining of Canada Ltd. He spent 15 years as General Manager/Minerals for BP Canada. He was a former President of the B.C. and Yukon Chamber of Mines, and is past President of the Canadian Geoscience Council.

#### **JOHN S. AUSTON; Director**

Mr. Auston has many successful years in the mining industry. He was employed for many years in the exploration and mining activities of the Selection Trust Group of London and British Petroleum in Canada, the United States and Australia. From 1993 to 1995 he served as President and Chief Executive Officer of Granges Inc. and Hycroft Resources of Vancouver. He is currently President and CEO at Ashton Mining of Canada Inc.

#### **CHARLES J.G. RUSSELL; Director**

Mr. Russell, former President of Diamond Fields Resources Inc., has over 35 years of production-oriented mining experience and extensive management experience in developing countries and dealing with international financial institutions. He is currently a director of Cornucopia Resources Ltd., Queenstake Resources Ltd., Mylan Ventures Ltd., and Platreef Resources (Pty) Ltd. He is also a Fellow of the Institute of Mining & Metallurgy and a Chartered Engineer.

#### **ROBERTO NEGRAO DE LIMA; Director**

Mr. Negrao de Lima has been an independent legal counsel in Brazil since 1988 and before that legal director of Anglo American Corporation from 1975 to 1987. He joined Lysander's Board in June, 1995.

#### WILLIAM MEYER; Director

Mr. Meyer has over 30 years experience in the mining industry. He joined Teck Exploration Ltd., 1979. In 1991 he was appointed President of Teck Exploration Ltd., responsible for the direction of exploration activities for Teck Corporation and its associated companies worldwide. He is a member of the Association of Professional Engineers of B.C, the Prospectors and Developers Association of Canada, the Northwest Mining Association, and serves on the Executive Committee of the B.C. and Yukon Chamber of Mines.

#### LOU M. DUARTE; Director

Mr. Duarte is a founding member of Lysander Gold Corporation. He was President of the Mintax Group which through limited partnerships, has raised in excess of Cdn\$50 million in flow-through share offerings.

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#### LYSANDER GOLD CORPORATION

### NEWS RELEASE High Grade Results Continue at Lorraine Project Good Values in Bishop Zone Extension

For Immediate Release Investor Relations: Stephen Sopher, President Mar Bergstrom, Vice President 1-604-681-8069 Wednesday November 6, 1996 Shares Listed: VSE Stock Symbol: LYS

VANCOUVER, B.C. - Donald K. Mustard, Director, is pleased to report that the recent drill program at the Lorraine Property in B.C. continued to generate high copper/gold values similar to those encountered in the successful 1995 program. The Lorraine Property is situated along the western rim of the 10 km diameter circular structure characterized by the presence of copper and/or gold occurrences and now referred to as the Jajay Ring.

A total of 10 holes were drilled.

Hole 96-37 was drilled from Platform #7 to confirm the depths of the Upper Main Zone. In the Eckland Zone, poor weather prevented access to the defined target area. Five short orientation holes, 96-38 to 96-42, were therefore drilled in substitution.

In the Bishop Zone, one hole, 96-36, deepened 95-36 and two holes, 96-43 and 96-44 were drilled to test southward extension of the Bishop Zone some 300 metres south of the original section drilled in 1994. The program was successful in tracing the zone with some high value intercepts.

The program resulted in the following intercepts.

Zone	Hole No.	<u>Az</u>	<u>Dip</u>	Total <u>Depth</u>	<u>From</u> (m)	<u>To</u> (m)	<u>Int.</u>	<u>Cu%</u> (m)	<u>Au g/t</u>
							(m)		
Bishop	96-36(95-36)	055*	-45	242.9	154.5	197.7	42.7	0.64	0.06
-					221.0	242.9	21.3	0.49	0.12
Upper Main	96-37	135	-50	233.8	26.5	154.5	128.0	0.84	0.30
Eckland	96-39	· 030*	-45	106.7	3.0	11.3	8.3	2.06	0.86
Bishop	96-43	055	-50	212.4	108.8	203.9	95.1	0.76	0.20
Bishop	96-44	<b>050'</b>	-45	242.9	120.1	145.5	27.4	1.07	0.10
-					210.7	242.9	32.2	1.49	0.18
North Cirque	96-45	030°	-45	105.8	8.2	30.9	22.7	0.46	0.13

In the North Cirque geochemical sampling indicated there is a large new zone containing copper and gold to be explored.

There are three or more zones which appear to have the potential for hosting the highgrade tonnages being targeted in the Lorraine Property.

Lysander's common shares are listed on the Vancouver Stock Exchange (LYS).

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#### ON BEHALF OF THE DIRECTORS,

#### "DONALD K. MUSTARD"

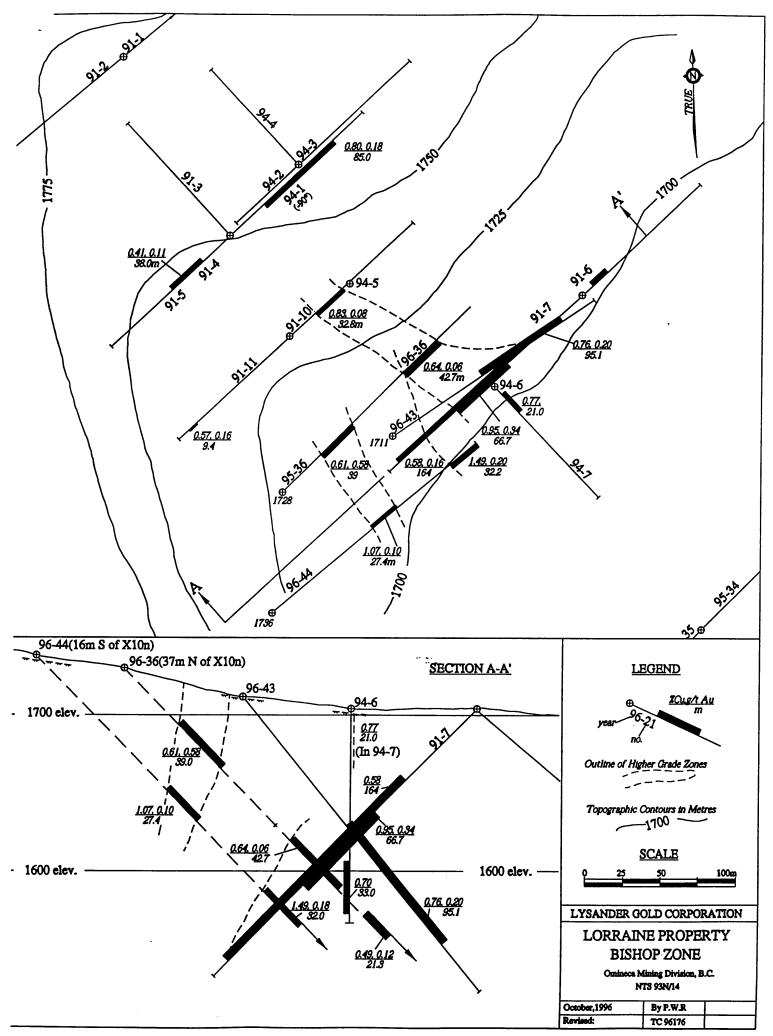
#### Donald K. Mustard, Director

The Vancouver Stock Exchange has neither approved nor disapproved the information contained here.

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#### NEWS RELEASE Lorraine Property - Land Assembly Completed Diamond Drilling Commenced

For Immediate Release Investor Relations: Stephen Sopher, President Mar Bergstrom, Vice President 1-604-681-8069 Thursday, October 3, 1996 Shares Listed: VSE Stock Symbol: LYS

VANCOUVER, B.C. - Don Mustard, Director of Lysander Gold Corporation, is pleased to announce completion of a major program of land assembly within the Hogem Batholith 300 kilometres northwest of Prince George, B.C.

Acquisition by location of the 48 PAL claims, optioning of the Steelhead property from A. Jackson, and optioning of the Dorothy property from Kennecott Canada Inc., added to the existing Lorraine and Boot Steele properties, provides a total contiguous area of approximately 250 square kilometres.

These properties were acquired on the basis of a concept by Dr. Ja Hat Koo in 1964 that the complex of alkalic rocks in the area is due to an alteration process (fenitisation) derived from a buried alkalic intrusion.

In 1995, a re-evaluation by RGI Resource GIS and Imaging Ltd. of government high level regional magnetic data showed the presence of strong regional structures that appeared related to the known mineral occurrences. In 1996 a strong, circular magnetic ring, 10 km. in diameter, lying just east of the Lorraine property was first remarked on by Dr. C. Jay Hodgeson. This structure has been strongly reconfirmed by results of a high resolution magnetic survey acquired from Golden Rule Resources.

Compilation of some 50 years of data from exploration activity by numerous major and junior companies shows that most of the important mineral showings occur around this ring, now referred to as the Jajay Ring. These include the Lorraine, Boot Steele, Dorothy, Ato South, Ato Central, Ato North, Ato West, and Steelhead properties, and others which fall within the area of land assembly. All are characterised by the presence of copper and/or gold. Further work to define the regional setting is in progress.

Drilling has commenced at Lorraine where a modest program will test extensions of known mineralisation and new targets. It is intended to drill one deep hole to test extension of the Upper Main Zone, and others to test for lateral extension of the Bishop Zone; to carry out preliminary drill testing of the Eckland Zone, which carries high surface gold values; and, weather permitting, to test the North Cirque, where high copper/gold anomalies derive from a 1996 talus geochemical survey.

Results will be announced in due course.

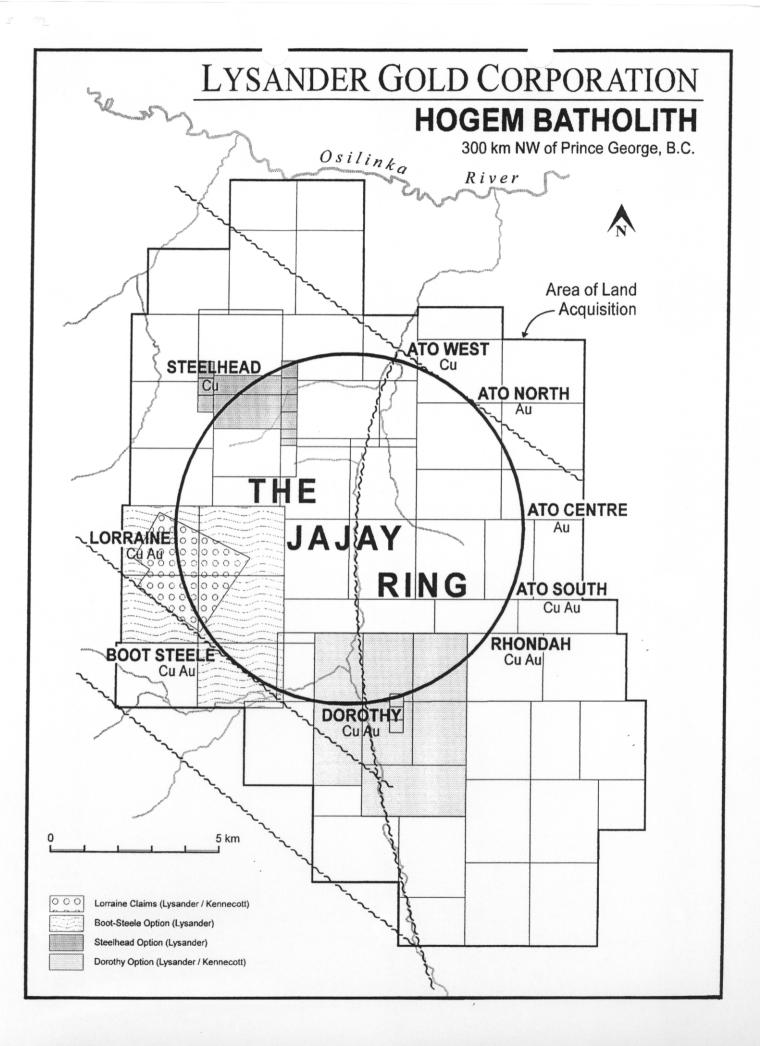
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ON BEHALF OF THE DIRECTORS,

Donald K. Mustard, Director

The Vancouver Stock Exchange has neither approved nor disapproved the information contained here.

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# **The Northern Miner**

#### Vol. 81 No.30 NORTH AMERICA'S MINING NEWSPAPER September 25, 1995



Project geologists Jan Fingler and William Morton, field helper Ronald Vedd and Lysander director Donald Mustard (from left to right) inspect drill core at the Lorraine property in north-cen-tral British Columbia.

### Lysander Gold challenged at Lorraine property

by John Kilburn

GERMANSEN LANDING, B.C. — To say drilling on the Lorraine property in north-central British Co-lumbia offers technical challenges would be an understatement.

Lysander Gold (VSE), which owns the property, sub-ject to a back-in right held by Kennecott, is in the midst of drill-testing several zones on

the copper-gold project. The Lorraine is accessible by rough gravel road from the Omenica Highway. The pro-posed powerline to Royal Oak's Kemess copper-gold property will pass within 10 property will pass within 10 km to the east, and the B.C. Rail line lies 40 km to the west.

Most of this year's work has concentrated on the Upper Main zone, which lies within a steep-sided ridge of Lorraine Mountain.

Although green staining from secondary copper miner-alization was identified on the mountainside back at the time of the First World War, drilltesting the target has proved difficult.

Little wonder - the northwest-trending ridge rises over 200 metres from the valley on the southwestern side at an angle of roughly 45°. The

northeastern side of the ridge could best be described as

cliff-like, dropping about 200 metres to a cirque below. Previous operators on the property did manage to carry out a limited amount of shallow drilling from the lower levels of the southwestern side of the ridge, as well as from the crest.

Trom the crest. The work outlined a pre-liminary resource of roughly 4.5 million tonnes grading 0.75% copper and 0.34 gram gold per tonne in the Upper Main zone.

Lysander's solution to drilling on the steep moun-tainside was to construct six platforms out of heavy tim-bers and complete drill moves using a French-made A-Star helicopter. "You want to use a power-

ful machine to ensure you've got enough lift for these tricky setups," explains project geolo-gist William Morton.

The six platforms are spaced roughly 100 metres apart: plat-form 8 at the crest of the ridge; platforms 7, 2 and 4 along a line about 100 metres below 8; and 1 and 6 situated a further 100 metres below that level.

A fan of three holes and a vertical hole have been drilled from each platform in an effort

to get a handle on the geometry of the Upper Main zone, as well as develop a better understanding of controlling factors to the mineralization.

The geological setting is described as an elongate zone of gneisses and migmatites of generally alkalic composition con-tained within the Hogem Batholith.

Copper and gold mineraliza-tion occur in fractures and veinlets, as well as in dissemi-nations within various rock types in the migmatite complex.

Copper occurs principally as chalcopyrite and bornite. Near-surface, oxidized mineralization includes malachite, azurite and covellite.

A few hundred metres to the northwest, on the nose of the ridge, historic work outlined a further resource of some 5.5 copper and 0.1 gram gold on the Lower Main zone.

No drilling has been carried out between the Lower and Upper Main zones, so it is not known if they are connected in any way.

any way. Recent drilling on the Upper Main zone from platform 1 re-turned multiple copper-gold in-tersections, including: a 26-metre intersection grading 1.23% copper and 0.86 gram gold in hole 95-11; an 18-metre intersection grading 1.42% copper and 0.51 gram gold in 95-12; and a 64-metre intersection grading 1.01% copper and 0.37 gram gold.

Lysander has drilled 20 holes, or about 2,500 metres, on the Upper zone in this year's program, and further assay re-

sults are pending. Donald Mustard, a director, says the company envisions a says the company civisions a small-tonnage, high-grade op-eration at Lorraine, adding that a bulk-tonnage underground mine is conceivable.

"This is not a large-tonnage, low-grade project, and that's

Hole Width Copper (%) Gold Silver (m) (m) (9/1) (9/1) 0.58 1.5-93.6 92.1 1.48 10.1 95-8\* 93.6-103.0 103.0-121.0 121.0-152.1 9.4 18.0 31.1 0.98 5.7 Tr 0.33 <0.2 1.23 0.18 1.5-27.5 27.5-48.5 48.5-70.5 9.3 Tr 0.86 95-11 26.0 21.0 0.26 0 18 0.57 3.8 0.60 70.5-88.4 17.9 <0.2 70.5-88.4 3.5-21.5 21.5-30.5 30.5-48.5 48.5-63.5 63.5-123.1 4.5-21.5 0.51 12.4 95-12 18.0 1.42 Ba Dyke 18.0 0.993 6.0 0.99 0.15 15.0 0.25 59.6 17.0 <0.2 0.14 7.6 95-13 21.5-27.5 Barre 6.0 Dyke 0.18 3.6 9.3 4.8 27.5-54.5 54.5-119.0 27.0 0.38 1.01 0.37 119.0-157.9 38.9 0.59 0.26

\*Hole L95-8 is an extension of L94-8, which en at 93.6 metres.

why Kennecott's not here any more," Mustard explains.

Lysander optioned the prop-erty from Kennecott in 1994, and the major retains the right to back-in for a 60% interest once Lysander completes a positive feasibility study, and provided minable reserves ex-ceed 150 million tonnes grading 0.6% copper-equivalent. Morton is working on a theo-

that there is tonnage potential in chasing the mineraliza-tion under the cirque to the north. This notion is based on the possibility that the zone of copper-gold mineralization lies perpendicular to the ridge and plunges to the northeast from daylight on the southwestern side of the ridge.

The company is testing the theory by deepening hole L-95-25 to the projected level of the zone. The hole, drilled earlier this year, ended in mineralization grading more than 1%

copper. Furthermore, an old Kennecott hole, drilled from the middle of the cirque to the northeast, returned an 18-metre intersection from 43 to 61 metres grading 0.5% copper and 0.12 gram gold. No further drilling was done in the North Cirque area.

The property hosts several other prospective areas where previous

drilling or sampling has returned copper-gold mineralization. Lysander's drilling this year includes holes in the Bishop zone, about 1 km southeast of the Upper Main on the other side of Lorraine Mountain.

Drilling last year on the Bishop returned values of up to 1.01% copper, 0.24 gram gold and 8.03 grams silver over 42 metres in hole L-94-02. Assay results from this year's drilling on the Bishop are pending.

Complete results from recent drilling on the Upper Main zone are as follows: