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WINTER DEC 81
Geddes and Falconbridge

examine BC copper prospect

A potentially significant copper prospect is being examined in a joint venture by Geddes Resources Limited and 114P 002 Falconbridge Nickel Mines. Known as Windy Craggy, the 114P/12E/2W copper-cobalt-precious metal prospect in northwestern BC is owned by Falconbridge. Under the joint venture agreement, Geddes can earn up to a 49% interest by spending \$1.5-million for the exploration program. Expenditures so far amount to around \$900,000. Falconbridge is operator of the project.

Widths of over 300ft of copper bearing material have been intersected in preliminary drilling, indicating the possibility of substantial tonnages, the companies report. Assay results suggest an average grade of at least 1% copper. Approximately 2.5 tons of split drill-core has been sent out for assay.

Geddes, which was previously a private company, plans to go public and is currently seeking \$7.7-million through a public share offering.

N.M. Sept 7/87 (P)
Geddes is making progress
at Windy Craggy project

Geddes Resources is making good progress on a 7,000-ft adit it is driving to explore the gold zone of the sulphide deposit at the Windy Craggy copper-gold-cobalt-zinc project in northwestern B.C., according to Chairman Geddes Webster.

Mr Webster tells The Northern Miner the adit is in over 1,400 ft and is advancing at the rate of almost 46 ft per day, ahead of a previously scheduled rate of 36 ft per day.

He said that at about 5,600 ft. the adit will intersect the Windy Craggy orebody. This should occur by about year-end.

Aiming to dispel a rumor that the company had hit a lot of bad ground on the adit project, the Geddes chairman said that while some bad ground had been hit over the period of about a week in early July, the ground has been good since that time.

He said the immediate target of the work remains the deposit's gold zone, identified by Falconbridge Ltd., original operator on the Windy Craggy, about four years ago.

Geddes is preparing to fully winterize the operation, and will operate through the winter months.

The deposit has been estimated to contain in the order of 300 million potential tons at a grade of

1.5% copper, 2 lb cobalt and measurable amounts of silver as well as the gold.

114P 002

N.M., May 18/87 114P002 (12)
Geddes well advanced
on Windy Craggy adit

Geddes Resources is well ahead of schedule in its work on a 5,500-ft adit to explore the gold zone of the sulphide deposit at its big Windy Craggy copper-gold-cobalt-zinc project, in northwestern B.C.

Chairman Geddes Webster tells The Northern Miner the company is clearing the portal area now and that the collar of the adit will be opened up and timbered within the next two weeks or so.

"We're about three weeks ahead of schedule," he says, adding that Geddes is clearly demonstrating that it is no trouble to operate in the area, despite its remote location.

Mr Webster said the adit will be advanced at a rate of about 35-40 ft per day, and is expected to reach the main sulphide zone within about 140 days or by early fall.

As he said earlier (N.M., March 23/87), the company's immediate

target from its current work is the deposit's gold zone, identified by Falconbridge Ltd. about four years ago. Falconbridge was originally operator on the project but it opted to be reduced from a 51% working interest to a 22.5% net proceeds royalty.

The Windy Craggy deposit has been estimated to contain in the order of 300 million potential tons at a grade of 1.5% copper, 2 lb cobalt, and measurable amounts of silver as well as the gold.

Geddes has raised \$6.6 million in flow-through funds, most of which will go into the adit construction.

...Department...
...Canada's export
...price is so high it has
...produced inequities in the

...funded the take-or-pay
...system that comm...
...pipeline companies buy

...Administration, which is
...responsible for authorizing
...gas imports, in re-

...because demand has fallen
...and transmission
...companies have passed up

...the countries," said Ray-
...burn Hanzlik, who heads
...Economic Regulatory
...Administration.

...can congressmen, includ-
...ing Minority Leader Robert
...Michel, filed a state-
...ment at the conference
...calling on the Reagan
...Administration to revoke
...import authorizations for
...Canadian gas unless
...Canada agreed to renegotiate
...existing gas contracts
...with U.S. companies.

"Canada's economy is
...in worse shape than
...ours," said Thomas Cor-
...coran (R, Ill.), who intro-
...duced a bill in Congress
...last month calling for
...renegotiation of gas im-
...port contracts. "There are
...independent gas produc-
...ers, mainly in Alberta,
...who I understand, are
...very much interested in
...being able to sell more to
...us at lower prices."

Canada's National
...Energy Board has author-
...ized natural gas exports
...of about 11 trillion cubic
...feet and is currently con-
...sidering applications for
...long term sales of a fur-
...ther 24 trillion cubic feet,
...but recent exports have
...been well below author-
...ized levels because of
...reduced demand and the
...falling prices of compet-
...ing fuels.

Marshall Crowe, the
...former National Energy
...Board chairman who rep-
...resented the Canadian
...Petroleum Association
...and the Independent Pe-
...troleum Association of
...Canada at the conference,
...said the present level of
...exports was disappointing
...and he could not imagine
...Canada would refuse to be
...more flexible in its price.

Canadian and U.S. offi-
...cials are to meet in Wash-
...ington in two weeks to
...discuss gas pricing and
...other energy issues. Mr.
...Corcoran and four other
...congressmen, meanwhile,
...will be in Ottawa on Fri-
...day and Saturday for talks
...with Energy Minister
...Jean Chretien and other
...officials.

Canada charges \$4.94
...(\$U.S.) a thousand cubic
...feet for exported gas now
...under a formula the Unit-
...ed States agreed to in 1960
...when fuel prices were ris-
...ing.

That price is now about
...double the average rate
...for domestic gas in the
...United States and most
...U.S. transmission firms
...are buying only as much
...gas from Canada as they
...are committed to. North-
...west Pipeline Co., for in-
...stance, is taking only 40
...per cent of the gas it is
...authorized to import and
...David Watkiss, who repre-
...sented Northwest at the
...hearing, said "Canada
...has shot itself in the foot."

Copper mine under study

By PATRICK DURRANT
A major copper-cobalt discovery in north-western B.C. by a joint venture of Falconbridge Ltd. and Geddes Resources Ltd. of Toronto has added new interest to the region's mineral potential.
But it will take at least 2½ years for completion of a feasibility study to determine whether the orebody is a mineable proposition, Geddes Resources president Geddes Webster said in an interview. And, he estimated, the total cost of developing the mine and supporting facilities could range upwards from \$750 million.
Webster said a drill-indicated tonnage of 100 million tons grading 2.8 per cent copper and 0.08 per cent cobalt has been calculated for the Windy Craggy property, located in the extreme northwest corner of B.C. near the Alsek River and 65 kilometres east of the Haines-Alaska Highway.
The 100-million-ton figure is indicated for the property's high grade hangingwall zone which extends for a length of 2,600 feet, Webster said. Inferred tonnage for the overall deposit, along a strike length calculated at 3,250 ft. is more than 334 million tons with a grade of 1.52 per cent copper and 0.08 per cent cobalt.

He said Geddes Resources' tonnage calculations are based on drill results reported by Falconbridge, which did more than 12,800 ft. of drilling in 12 holes during 1981 and 1982.
Geddes Resources has earned 49 per cent interest in the deposit by contributing \$1.65 million to the cost of the drilling program, airborne geophysics and geological mapping.
Work has been halted on the property while the joint venture partners decide on the next phase of the program.
"From a practical point of view, it should be an underground program to ring-drill the deposit and carry out bulk sampling," Webster said. "Then we can go ahead with the feasibility study."
This work program would cost about \$20 million, he said.
Brian Smith, B.C. minister of energy, mines and petroleum resources, said in a prepared statement the Windy Craggy deposit is one of a number of potential developments in the region.
"Questions such as access, power, environmental impacts, development of a townsite and other factors will have to be evaluated for the proposed Windy Craggy mine and for other resource deposits known to exist in the region."

B.C. hunt quickens

By PATRICK DURRANT
Almost eclipsed by the excitement over Hemlo is the fact that exploration for gold in British Columbia is on the rise again. VSE-listed companies have acquired properties in several areas of the province, some of them involving the reworking of old mining camps that haven't produced in years.
In B.C., much of the activity is taking place in the Boundary district, an area between Rock Creek and Grand Forks and just north of the Canada-U.S. border. It contains the former Granby Mining Corp.'s Phoenix mine, a copper producer that ceased operations in 1978.
The Phoenix ore also contained gold values, and it is the gold potential of the region that is attracting the current wave of prospectors and developers. Several companies have recently reported on their activities in the area.
Among these is Kettle River Resources Ltd., which says it has established a significant land position in the Greenwood-Phoenix area, consisting of staked claims, mining leases and Crown grants. Some of the properties, including the Phoenix mine workings, were optioned from Noranda Exploration Co.
George Stewart, president of Kettle River Resources, is also a director of New Frontier Petroleum Corp., which recently signed a joint venture agreement with Fairmont Gas & Oil Corp. to explore the Oro Denoro property. A news release from New Frontier said the 35-claim property straddles a strike zone along which Kettle River has made a "significant gold discovery".
Dentonia Resources Ltd. has started an exploration drifting program in the Denoro Grande workings of its Jewel mine, a gold-silver property located 10 kilometres northeast of Greenwood.
Maymac Explorations Ltd. has outlined several gold geochemical anomalies on its Midway property. Drilling will be carried out on these areas during 1983.
To the west, DRC Resources Corp. and Strata Energy Corp. have a 50-50 partnership in a working option on approximately 4,200 acres in the Orofino Mountain area, northeast of Keremeos in the Osoyoos mining division.
The claims cover an area where three producing mines operated during the 1930s.
Moving northeast to Burton on Lower Arrow Lake, Esperanza Explorations Ltd. and La Teko Resources Ltd. are examining a property on Tillicum Mountain. Recent prospecting has located massive sulphide mineralization carrying gold values in two widths.

its four-claim holding. The company said it has contracted initially for three drill holes on the property.
United Fortune Channel Mines Ltd. and Unicorn Resources Ltd. say they have options to acquire separate claim groups in the same area.
Northern Eagle Mines Ltd. has completed negotiations to acquire a gold prospect in the Tillicum Mountain area. The company says it has also acquired a gold prospect south of Tatla Lake, about 175 kilometres southwest of Williams Lake. There are a number of gold-arsenic showings in the surrounding area.
A former gold producer, the Kootenay Belle mine in the Sheep Creek camp some 16 kilometres southeast of Salmo, is being re-examined by Amore Resources Inc.

Union offers \$2m if mine reopened

United Press Canada
TRAIL — Cominco Ltd. put off a decision Tuesday on a \$2-million loan offer from the United Steelworkers of America, which wants to prompt the company into reopening Pine Point mine in the Northwest Territories.
Norm Anderson, Cominco's chief executive officer, met the offer with repeated requests for wage concessions amounting to \$2 million at a meeting in Trail, about 400 kilometres west of Vancouver.
USW Local 450 president

"We made a very attractive loan offer but their underlying motive is a wage concession," Georgetti said. "They seem to want to blame the union's wages" for the mine's closure Jan. 2.
The union expects to hear from Cominco executives next week after they studied the proposal further.
Georgetti refused to speculate on the chances of the plan's acceptance.
The union was discouraged that

Falconbridge finds major B.C. copper-cobalt deposit

By ALBERT SIGURDSON

Special to The Globe and Mail
VANCOUVER — Falconbridge Ltd. of Toronto has found in the northwest British Columbia what may be one of the richest copper-cobalt deposits in North America.

The company has drilled 12 holes in the Windy Craggy area 50 kilometres south of the Yukon border and 30 kilometres east of the coastal panhandle extension of Alaska.

The program, carried out by Falconbridge and largely paid for by Geddes Resources

MARKET PERSPECTIVE

Falconbridge Resources Ltd. of Toronto to earn an equity interest in the property of up to 49 per cent, indicates a "high-grade" ore body estimated at about 300 million metric tons, Geddes said.

Three holes drilled last year indicated 1.5 per cent copper and between 0.1 and 0.15 per cent cobalt. In a copper-bearing zone extending about 2,000 feet, Hole 9, for example, assayed 2.6 per cent copper over 20 feet, Hole 11 showed 2.74 per cent over 380 feet and Hole 12 graded 3.03 per cent over 173 feet.

In addition, measurable amounts of silver, gold and zinc were reported in the upper sections of that final hole.

However, Geddes said the deposit is in the early stages of evaluation. It is 40 miles from the nearest major road, the Haines highway through Alaska and the Yukon to the Alaskan port of Haines, and 70 miles from tide-water as the crow flies.

Geddes, a drilling fund set up in 1980, has commissioned an independent study of the property. Of the \$1.8-

million spent so far, Geddes put up \$1.5 million and the balance was provided 51 per cent by Falconbridge and 49 per cent by Geddes.

B.C. Minister of Energy, Mines and Petroleum Resources Brian Smith said the find "further confirms the region's enormous mineral-resource potential."

He said the B.C. Government is in the process of developing its economic development program for the region.

Geddes president Geddes Webster said next summer's program has not yet been determined, but he favors driving a tunnel along the strike of the zone so that comprehensive ring drilling and bulk sampling can be done by cross-cutting at selected points.

He estimated this would cost about \$20-million, which would be financed by other means, probably by the formation of a company around the project.

A Falconbridge spokesman said the long evaluation process will require more detailed assessment of

the ore body, its economic viability and the cost of transporting the product to market.

The depressed price of copper, now about 75 cents (U.S.) a pound, is

also a factor. "The market is important. It would determine the value of your reserves."

Given the market and the remote loca-

tion, the deposit's grades are the key, Mr. Webster said. "One per cent copper would never have made it."

The deposit is on a mountain, surrounded

by glaciers, but he tended to minimize the difficulties of access. It would be an underground mine and the solution would be "perhaps a long tunnel."

From one approach, this would mean a tunnel three or four miles long; from another, a tunnel perhaps seven to eight miles in length.

THE PROVINCE, Wednesday, January 19, 1983

Block gas imports, U.S. urge

Canadian Press

WASHINGTON — The U.S. government should consider revoking permits to import Canadian natural gas worth about \$5 billion a year unless Canada rolls back agreed border prices, a U.S. government panel was told Tuesday.

A threat to cancel the imports would serve as "a Draconian prod" to get Ottawa to let exporters and importers renegotiate prices directly, a group of U.S. congressmen argued in a written submission to an informal hearing organized by the U.S. Economic Regulatory Administration.

The suggestion, backed by Illinois Republican Robert Michel, minority leader in the House of Representatives, and Tom Corcoran, sponsor of legislation to enforce the idea, was the toughest proposal in a day-long hearing that featured testimony from about 30 officials representing U.S. customers and Canadian suppliers.

But most argued for a revised U.S.-Canada trade agreement that would lead to lower prices.

At the same time, spokesmen for importing pipeline companies and state energy authorities said they

do not want to jeopardize Canadian supplies because they want to buy more gas from Canada for future use.

Marshall Crowe, a former chairman of the Canadian National Energy Board who was representing Canadian gas producers and the Alberta government at the forum, agreed that "there has to be some flexibility in pricing — it's not fixed in stone."

He cautioned the panel against "short-term expedience" that would undermine long-term trade.

But panel chairman Rayburn Hanzlik, the regulatory agency administrator, said political pressures make the pricing situation "a critical short-term problem." He said his impression from Canadians "is a less-than-enthusiastic willingness to deal with short-term solutions."

In an apparent reference to congressional pressures, Hanzlik said he fears a political solution would be imposed unless the immediate pricing problem is solved by agreed changes in regulations.

The Canadian board is expected to rule shortly on applications that would increase total long-term ex-

port commitments to U.S. markets by about 24 trillion cubic feet of gas from the present authorized total of about 11 trillion cubic feet.

Annual exports permitted under current contracts amount to more than one trillion cubic feet.

But reduced U.S. energy demand and declining prices for competing fuels during the current economic recession have pushed U.S. sales of Canadian gas down to about 850 billion cubic feet a year.

That is less than five per cent of total U.S. needs, but some regions such as Illinois and California buy a bigger proportion.

The present uniform border price, fixed two years ago under a 1980 formula agreed by the two governments, is \$4.94 U.S. per thousand cubic feet.

That is about double the average wellhead price of U.S. gas. But importers are bound by so-called take-or-pay terms to pay for most of the Canadian gas under long-term contracts.

Some have negotiated contract changes to postpone their obligations.

While most importers acknowledged Canada's reliability as a

supplier, James Gustafson, vice-president of the Washington state Natural Gas Co., said he would support supply curtailments in 1974 and 1977.

He remarked, amid laughter, to the audience of about 200 "Canadian gas is reliable as there is enough of it."

David Watkiss of Northern Pipeline Co. of Salt Lake City, Utah, an importer involved in the moribund Alaska-Canada gas line project, testified "Canada shot itself in the foot" by making its "disastrous" gas price.

He said the company is only about 40 per cent of its authorized imports.

Now, he said, the Canadian gas board is threatening to authorize supplies unless the company takes at least 65 per cent of the permitted quantities.

Officials of the Canadian energy and external affairs departments are scheduled to confer with their counterparts in Washington, Feb. 1 to discuss the gas-price controversy, among other issues.

J.S. ab
OTTAWA (UPC) — The government should warn the administration it would be shortsighted to abandon a natural gas pipeline, opponents said Monday. An Alaskan government

Geddes set for action at big Windy Craggy bet

by Allan Jones

The big but remote Windy Craggy copper-cobalt property of Geddes Resources in northwestern B.C. has attracted a lot of attention over the past few years but, so far, little money for development.

That situation could be about to change, according to President Geddes Webster.

Having brought onto the Geddes board of directors the former president of Imperial Metals Corp., Alan Savage, Mr Webster is convinced that Mr Savage's presence will help facilitate a new plan to shortly raise about \$6 million in flow-through funds for Windy Craggy development.

And initially it will be gold, not the base metals, providing the motive force.

Bids are already out, Mr Webster tells The Northern Miner, for a 5,500-ft tunnel to be driven to a point some 130 ft below the 160-ft-thick gold zone in the deposit, previously reported to assay 0.29 oz gold per ton, and 1.2% copper.

The Windy Craggy is estimated over-all to contain in the order of 300 million potential tons, at a grade of 1.5% copper, 2 lb cobalt, and measurable amounts of silver and zinc as well as the gold.

The underground program, he says, is designed to intersect and test the gold zone, and some 10,000

114P002

ft of diamond drilling is planned to delineate gold reserves.

There's a further intention to drill and bulk sample the large reserves of copper and cobalt from underground. Though intended mainly as a cross-cut of the gold zone, the adit will be advanced across the deposit to allow for examination of a complete 500-ft wall-to-wall section.

"We are estimating the cost of the tunnel alone will be from \$4 million to \$5 million," Mr Webster says, with the balance of the expected funds to be used for the bulk sampling, diamond drilling programs.

The company should have the money in place and let the tunnelling contract by about the end of February next year. "We could then go in in May to start the physical operation," the Geddes president said.

A feasibility study would be scheduled for about a year from now.

Geddes already has an airstrip built in the area of the deposit, and the tunnelling and subsequent work would be a completely air-supported operation, using STOL Caribou aircraft.

Mr Webster says that, in addition to the Windy Craggy, the company has recently been working on its minerals claims known as the Tats property, adjacent and to the south of the Windy Craggy. He said a grab sample of surface mineralization there returned assays of 7.9% copper and 0.30 oz silver per ton. Further work is planned on the Tats in the 1987 field season.

N. MINER FEB 16/87 Geddes Res. plans \$5-6m. financing

Vancouver-listed Geddes Resources has received commitments for approximately \$5 - \$6 million of financing through the issue of flow-through common shares earning Canadian Exploration Expense credits from a number of sources.

The funds will be directed towards exploration on the company's Windy Craggy property and surrounding area in northern British Columbia, including the driving of an adit to examine Windy Craggy's gold zone further.

The financings are subject to regulatory approvals and completion of formal documentation. Closing is anticipated to occur prior to Feb 28.

104P005

23 March 87 N Miner 114P002(12) Geddes goes for the gold in Windy Craggy program

by Allan Jones

The name Windy Craggy, given to a huge base metals area in a relatively remote part of northwestern B.C., may still be a name to conjure with.

After more than six years of "unremitting effort" that has been expended in exploring the area and seeking financing with which to continue it, Geddes Resources says it has raised more than \$6.5 million in a flow-through share financing, and will shortly start work on a 5,500-ft adit with which to explore the gold zone of the sulphide deposit.

The property was originally explored by Falconbridge Ltd., as operator, but late in 1983 Falconbridge opted to be reduced from a 51% working interest to a 22.5% net proceeds royalty.

Basically the deposit is a great mass of copper-gold-cobalt-silver-zinc-bearing sulphides, with a width of more than 400 ft and a length greater than 6,000 ft. It has been estimated over-all to contain in the order of 300 million potential tons, at a grade of 1.5% copper, 2 lb cobalt, and measurable amounts of silver as well as the gold.

But as Chairman Geddes Webster tells The Northern Miner, the immediate target for the company is the deposit's gold zone, identified back in 1983 when a Falconbridge drill hole intersected 201 ft of 0.3 oz gold per ton, with 1.5% copper.

The company expects to collar the planned adit by about mid-May, Mr Webster says, have it completed by the end of this year, and start an underground program of diamond drilling of the gold zone which would be completed by the end of February, 1988.

"We are going strictly for the gold, initially," he says, "and will be attempting to outline a gold

deposit in the order of magnitude of two million tons, at a grade of 0.3 oz."

Mr Webster said a detailed re-examination of the core indicated that the gold zone is a discrete gold-bearing carbonate-chert zone within the over-all sulphide mass of the Windy Craggy.

The Tonto Group of companies has been selected as contractor to drive the 5,500-ft adit, that will crosscut the area of the gold zone. After the adit has crosscut the entire deposit, 10,000 ft of drilling will be done to determine the upward and downward extensions of the gold zone.

"We expect," the Geddes chairman says, "that the metals of the deposit will be developed sequentially, as various mineral zones demonstrate their individual economic importance."

GCN#29 GEDDES RESOURCES LIMITED (GDD-V) FEB 11/87
FUNDING COMMITMENTS RECEIVED - Geddes Resources

114P002
Limited has received commitments for approximately \$5 to \$6 million of financing through the issue of flow-through common shares earning CEE credits from a number of sources. The funds will be used for a program of exploration on the Windy Craggy property and surrounding area in northern B.C. in 1987 including the driving of an adit to examine further the gold zone of the Windy Craggy property. The financings are subject to regulatory approvals. Closing is anticipated February 28, 1987.

NMINER
24 MARCH 1986

Geddes to relog Windy Craggy core

114P/12E, W
(114P 002)
Some 26,000 ft of drill core from Geddes Resources' Windy Craggy deposit in northwestern B.C., is to be relogged.

This relogging is essential in order to determine with certainty that all of the gold intersections in the core have been properly identified and assayed, reports Geddes. The need for the reassessment is due to the fact that widespread gold potential exists in areas of sparse sulphide mineralization throughout the entire 6,562-ft length of the deposit, says the company.

The gold is micron-size and under microscope frequently associated with pyrite mineralization.

The program will not only evaluate the nature of gold distribution in previously analyzed core, but will also be directed towards an area of core, about 13,124 ft, not yet analyzed because of the sparse nature of visible sulphides. These areas, says the company, are now known to have not only gold potential but are also to be examined for cobalt, tin, cadmium, germanium, gallium, bismuth, molybdenum and tungsten.

This relogging program will be conducted by Dr Joe S. Fox of the Mineral Exploration Research Institute of Montreal, Que.

Geddes expects the work to take about two months. It will also include plotting and analyzing the distribution and geometry of mineral zoning in the deposit. Results should be ready to help in the layout of this summer's field program.

N.M. April 28/86
114P/12
(002)

Provincial grant for Windy Craggy airstrip

A \$75,000 provincial grant has been given to the Tats airstrip in the area of the Windy Craggy gold-copper-cobalt deposit in the northwest corner of British Columbia.

The airstrip, constructed by Geddes Resources last summer, is 3,000 ft long and capable of handling Caribou Frazer aircraft with 8,000-lb loads. Its elevation is 2,300 ft.

The grant was provided by the B.C. Ministry of Industry and Small Business Development.

Geddes intends to proceed with a program of exploration on the Windy Craggy deposit this year once financing is completed.

B.C. GOVERNMENT HELPS - To serve their Windy Craggy gold-copper-cobalt deposit in the NW corner of British Columbia, GEDDES RESOURCES LIMITED (GDD-V) 114P 002 (12E) GENL 8-0543 #78
WITH REMOTE AIRSTRIP Geddes Resources Limited built the 3,000-foot long Tats airstrip last summer. It is capable of handling Caribou Frazer aircraft with 8,000-pound loads. Its elevation is 2,300 feet. Geddes has now received assistance by way of a \$75,000 conditional grant by the provincial Ministry of Industry and Small Business Development to encourage resource development in a remote area where substantial employment potential is indicated. A number of other companies and prospectors, etc. will use the airstrip.
Geddes' president Geddes W. Webster says the company will resume exploration in the Windy Craggy area in 1986 once financing is completed.

NMINER
20 JUNE 1985

Initial work under way on Geddes' Windy Craggy

by Allan Jones

Geddes Resources will spend about a quarter of a million dollars over the next few months on its big Windy Craggy copper-cobalt property in northwestern B.C.

President Geddes Webster says the money will be spent building an airstrip at the remote site, a trail from the airstrip to the deposit, where a portal area has been selected, and finally in collaring the portal to an adit, directed along the strike of the orebody.

That orebody is estimated to contain in the order of 350 million potential tons, at a grade of 1.5% copper, 2 lb. cobalt, and measurable amounts of gold, silver and zinc.

Mr. Webster tells The Northern Miner the proposed adit, which would cost in the order of \$2 million, is not yet financed, but that private investors have indicated a financing decision would be dependent on the company completing the initial phase of the work now under way.

The company will use an outsize helicopter to airlift two cat tractors in to the site for the airstrip and trail-clearing job. It's expected the airstrip itself will be completed within the next six weeks, and the remaining work by the end of the summer.

"The 2,800-ft. adit can then proceed as an all-weather project when funds are available," the Geddes president said.

The airstrip will be large enough to handle de Havilland Caribou freighting aircraft, he said.

"Windy Craggy has always been considered by the investing public, most engineers and shareholders to be an isolated and remote deposit of remarkable size, with exciting economic potential, *but* for the next century," Mr. Webster told the company's recent annual meeting.

"Your management knows this is not the case."

He said the adit, once under way, would be directed specifically toward the gold-rich area in the heart of the deposit, and that it's hoped it can be well into this area by the end of this year.

Also before the end of the year, he continued, the 100% interest of Geddes Resources in Windy Craggy will be transferred to **Alesek Mining**, a wholly-owned subsidiary of Geddes.

Mr. Webster said Geddes, in addition, is attempting to negotiate a suitable deal on the Tats property, located between Windy Craggy and the airstrip, which con-

tains a very large electro-magnetic anomaly in addition to a showing of copper-cobalt and another separate discovery of silver.



NMINER 18 JULY 85

Finish airstrip at Windy Craggy

An airstrip will be completed by the end of this week at the Windy Craggy copper-cobalt property of Geddes Resources, President Geddes Webster informs The Northern Miner.

The 3,000-ft. strip is a key element in an initial \$250,000 program under way at the northwestern B.C. property, including, in addition to the aircraft facility, a trail to be constructed from the airstrip to the Windy Craggy deposit, and collaring of a portal to an adit to be directed along the strike of the orebody.

Once the airstrip is completed, the remaining work in the initial program is expected to be completed by the end of the summer.

The site is easily accessible by air, covering only about 800 air miles via Vancouver-Whitehorse, and Whitehorse-Windy Craggy.

NM MINER

31 JAN 1985

114P/12E/W
(114P 002)

B.C. geologist named prospector of the year

by James Borland

A consulting geologist from British Columbia who discovered the giant Windy Craggy massive sulphide deposit in northwestern B.C. has been chosen prospector of the year by the Prospectors and Developers Association.

James J. McDougall, 59, known to associates as Jimmy Mac "to tell me apart from all the other Jims," will receive the W. W. Dennis Award for Prospector of the Year at the association's 53rd annual meeting in Toronto Mar. 10-14.

Awards committee chairman for the association, A. James Walker, said Mr. McDougall's nomination was a lengthy one and refers to, among other things, his years of service with the Falconbridge group as a field geologist where he pioneered the use of aircraft in geological reconnaissance.

"We had our own helicopter and airplane," Mr. McDougall told *The Northern Miner* while discussing exploration work in the 1950s. "Basically, it let you go further and stay longer.

"We always seemed to be about two years too late, though," he says sardonically, lamenting current depressed mineral prices and the currently lacklustre mining industry in general.

His greatest satisfaction came from the Windy Craggy find in 1957-58, but he says he'll gain a lot more satisfaction "when somebody makes a mine of it."

The Windy Craggy property, estimated to contain about 350 million tons of potential ore grading 1.5% copper and two pounds cobalt per ton as well as measurable amounts of gold, silver and zinc, is 100% held by Geddes Resources. Falconbridge Ltd. holds a 22.5% royalty on net proceeds from production.

The ability to "go further" is, ironically, one of the factors that has delayed production from that discovery and several others in which he has been involved. Their isolation adds enough cost to keep them from being classified as ore deposits.

"Maybe we should have stuck to the main roads," says Mr. McDougall.

Geddes President G. M. Webster, says his company requires about \$17 million to go underground and fully evaluate the Windy Craggy deposit. With market conditions difficult, raising that money is slow going.

"Now we're looking at raising fish and getting out of this . . . mining business," says Mr. McDougall, who is not associated with Geddes in any official capacity.

Mr. Geddes recalls hiring Mr. McDougall as a consultant for the Windy Craggy property in 1981 and how the work done in that program led to the large tonnage now attributed to the deposit.

"Jimmy is one of those rare birds who is technically qualified, who loves the field and understands field operations," says Mr. Geddes, calling him "an outstanding person" to receive the prestigious award.

S. N. Charteris, who worked at Falconbridge with Mr. McDougall, said the Windy Craggy discovery was due to Mr. McDougall's concept and initiative.

"It was a keen piece of work," says Mr. Charteris. "He started tracing the horizon of the Kennecott deposit in Alaska and traced it into B.C. It's not quite the same environment, but it's the same stratigraphy.

"It was very innovative, very aggressive and somewhat risk-taking too," Mr. Charteris added, noting that flying in that isolated area of Canada often required landing the small single-engine plane on the ice of a nearby glacier on pontoons.

Mr. McDougall was born in Grand Forks, B.C. He studied geology at the University of British Columbia eventually becoming a professional engineer. He worked for 30 years with Falconbridge and its forerunner, Ventures Mining, before taking early retirement three years ago.

He began prospecting as a student working summers and has done most of his work in British Columbia. Now living in Richmond, B.C., he works as a consultant and as a director of two mineral exploration firms.

Mr. McDougall has been associated with a number of mineral discoveries including the Catface porphyry copper deposit on the west coast of Vancouver Island, the Banks Island gold prospect near Prince Rupert, B.C., and the Tasu iron-copper deposit on the Queen Charlotte Islands, also in British Columbia.

Recipients this year of the association's distinguished service award will be the late Murray Watts and Echo Bay Mines President John Zigarlick Jr.

6

N MINER
5 APR 1984

114P/12E.W
(114P 002)

Geddes plans underground work at its big Windy Craggy prospect

By Allan Jones

By June of this year, Geddes Resources expects to launch a \$17-million underground exploration program at its big Windy Craggy copper-cobalt property in a remote area of northwestern B.C.

In an interview, President Geddes Webster informs The Northern Miner technical and financial justification reports are now in the final stages of preparation for the underground project.

"We are looking at possible private or public financing for it," he says, adding that the company is encouraged by the results of discussions being held with several groups on financing.

The company has previously estimated the over-all Windy Craggy deposit contains in the order of 350 million potential tons, at a grade of 1.5% copper, 2 lb. cobalt and measurable amounts of gold, silver and zinc. Mr. Webster says now that "more sophisticated" figures are being calculated.

The proposed underground program will involve about 7,000 ft. of development work (including 3,000 ft. for a crosscut driven to the mineralized zone), and some 50,000 ft. of ring diamond drilling on sections. Bulk sampling and mineralogical and metallurgical work will also be needed, as will infrastructure such as roads and an airstrip.

Geddes is particularly excited, from a re-examination and assaying of the 1983 drill program at Windy Craggy, that a gold intersection pulled on the property points the way to a large area of gold enrichment in the mass of sulphide.

The hole, No. 14-83, intersected 0.29 oz. gold per tonne from 417.7 m to 479 m (201 ft.) and the centre of this assayed 0.52 oz. gold from 440.3 m to 464 m (77.7 ft).

Mr. Webster says it now appears from re-examination of other data and core that there is a sizable area where gold values are showing up. Hole 13-83 for example has returned 0.14 oz. gold per tonne from 583 m to 586 m (10 ft.), about 100 m south of No. 14-83.

"Our conclusion is that the main gold occurrence in hole 14-83 lies about midway in a zone 1,100 ft. long between holes 13-83 and 15-83, both of which returned copper intersections with gold in the order of 0.05 to 0.1 oz. per ton."

It means, he says, while the company intends to assess the whole of the high grade section of the Windy Craggy deposit, the thrust will include gold as a consideration, even though not the dominant consideration.

Falconbridge Limited was the operator on the property, but late last year opted to be reduced from a 51% working interest to a 22.5% net proceeds interest. As a result, Geddes now has a 100% title to the property.

GENL #233

4 DEC 84

GEDDES RESOURCES LIMITED (GDD-V)

114P/12E.W (114P 002)

PROPERTIES MAINTAINED FOR FUTURE WORK - Geddes Resources Limited president G.M. Webster has reported all three of the wholly-owned subsidiary, Goldpost Resources Inc., which would then be responsible for funding development of the properties.

At the Windy Craggy copper-gold-cobalt deposit in northern B.C. the consulting firm of H.A. Simons (International) Ltd., confirms that the next stage for development should be underground program involving an adit and tunnel to reach the deposit. The full program will cost about \$17,500,000 and take two and a half years to complete. During the summer of 1984, management, found insufficient current interest to fund the program. Fifteen major mining companies have expressed interest in Windy Craggy. The gold discovery within the deposit is of great interest.

(5)

GCNL #68 5 APR 84

GEDDES RESOURCES LIMITED (GDD-V)

114P/RE.W (114P 002)

RE-EXAMINATION OF 1983 FIELD WORK - Results of re-examination and assaying of diamond drill core and other data SHOWS SIZEABLE GOLD BEARING AREA from the Windy Craggy 1983 drilling program in NW B.C. are reported by Geddes M. Webster, president of Geddes Resources Limited. "When the 1983 drilling was completed in Mid-September, the core was routinely logged and sampled. Many copper assays were returned over the next 8 to 10 weeks but Hole No.14-83 intersected gold which assayed 0.29 oz. of gold/metric ton from 417.7 - 479 meters (201 feet). The centre of this assayed 0.52 oz. of gold/metric ton from 440.3-464 meters (77.7 feet). The estimated true width of this zone is about 150 feet which is one of the best gold intersections obtained on an exploration prospect in 1983 in Canada. The zone also ran 1.2% copper.

"At first it appeared as if this was an isolated gold occurrence, but on re-examination of other data and core, we now find that there is a sizeable area where gold values are showing up. Hole No.13-83 has returned 0.14 oz./metric ton from 583 - 586 meters (10.0 feet). This section is about 100 meters south of the gold in Hole No.14-83.

"Our conclusion from the re-examination of the main gold occurrence of Hole No.14-83 is that it lies about midway in a zone 1,100 feet long between Holes No.13-83 and No.15-83 which both returned wide copper intersections with gold in the order of 0.05-0.1 oz/ton. The gold at the bottom of Hole No.13-83, while apparently a separate occurrence, is nevertheless obviously related to the overall mass of mineralization. It is clear now, therefore, that we are not dealing with a single or isolated gold occurrence but rather with a large area of gold enrichment in the mass of sulphide.

"The area in which the Windy Craggy deposit is located is comprised of rocks of volcanic origin. Such an environment is often the host of economic mineral deposits such as, for example, the Kidd Creek deposit at Timmins. Because we have now established this as a potentially important mineral area, a number of mining companies have also directed their exploration interests here. St. Joe Canada, to the east, have found an interesting gold bearing zone on their ground. Falconbridge 51% and Geddes 49%, on the Tats property, to the south of Windy Craggy, have located a zinc showing and a large strong EM anomaly was indicated in 1983 that obviously warrants investigation. Stryker Resources, working on a similar volcanic area to the SW, has found numerous samples of well mineralized float containing copper-gold and cobalt on which a work program is expected for 1984.... therefore, the Windy Craggy deposit is beginning to attract more than academic interest.

"In order to further evaluate our copper-gold-cobalt deposit, a major new program is being designed by Geddes Resources. This is currently envisioned as a two year program of detailed evaluation of the deposit which will require a financing of approximately \$17,000,000. The technical reports justifying this level of expenditures are now in the final stages of preparation....directors are fully aware of the potential and economic significance of the gold occurrences and this will obviously play a dominant part in the proposed work and evaluation program."

Northair pushing drive to indicated orebody

MINER

9 SEP 1985

RAF/ATW, RAK/3W

Northair Mines, the shares of which were called for trading on the TSE this past week (they also trade on the VSE and the American NASDAQ system), is pushing an underground drive at its Willa gold-copper-silver project near New Denver, B. C.

The company can earn a 50% interest in this well regarded property from B. P. Minerals and Rio Algom by spending \$2.6 million over the next three years.

The present Phase I program calls for 3,500 ft. of drifting and crosscutting and 10,000 ft. of underground diamond drilling at a cost of \$1.3 million. The heading is now in over 1,300 ft. and is advancing at a rate of 21 ft daily, Donald A. McLeod, president, tells The Northern Miner.

Prior work by the BP/Rio Algom joint venture outlined two zones of mineralization, the Main zone and the West zone. Within the 2.0 million tons outlined in the West zone is a partially developed higher grade block of 620,000 tons grading 0.18 oz. gold, 0.94% copper and 0.39 oz. silver per ton over an average width of 30 ft.

Geological data strongly suggests that exploration will show this West zone to comprise a continuous pipe of mineralization with the potential to substantially increase tonnage. Mr. McLeod says.

Northair is also under contract to Geddes Resources to manage that company's Windy Craggy project in the northwest corner of B. C. It has now completed con-

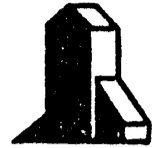
struction of an airstrip on a gravel bar at the toe of Tats Glacier. This was done on time and on budget, and greatly improves access to the property. Also, Mr. McLeod says that the company has renegotiated its option agreement on the Holly gold prospect on Texada Island (N.M., Feb. 28/85) just west of Powell River, B.C. The vendors have now agreed to reduce the number of shares they were to receive this year in consideration of Northair conducting further exploration. Work here will resume in September.

RAF/ATW

114P/RE.W (114P 002)

Report from Vancouver

Geddes studies underground work



By David Duval

Geddes Resources is studying the feasibility of conducting a major underground exploration program on its Windy Craggy property in northwestern B.C. This would be in keeping with the principal recommendation of Falconbridge which now has been reduced to a 22.5% net proceeds interest. Falconbridge

was the operator but opted to be reduced from a 51% working interest to its present holding. As a result, Geddes now has 100% title to the property.

According to Geddes N. Webster, president, the underground program would probably involve about 7,000 ft. of development work and

3,000 ft. of that would involve driving a crosscut to the mineralized zone. The balance would be for drifting and crosscutting within the zone.

The adit will be directed towards a gold intercept encountered late last year which averaged 0.32 oz. gold and 1.2% copper across a true width of about 150 ft. The depth of the intercept was 1,400 ft.

Strathcona Mineral Services, a Toronto-based consulting firm and project manager for Nanisivik Mines, is doing a cost estimate for Geddes but a separate economic appraisal with much broader parameters is also under way.

Previous assay results are being averaged by computer and this will involve all core samples obtained over a 3-year period. The data will be used to develop a number of economic models based on various grades, mining rates, production costs, metal prices and other variables, says Mr. Webster. Metallurgical studies are also planned and a preliminary examination of the gold intersection revealed it contained mostly free gold.

He also reports Armco Mineral Exploration has completed the 5,500-ft. drill program on their Hislop Twp. property in the Timmins-Ramore area. Geddes has the right to earn 50% of Armco's 95% interest in the property. The drill program apparently confirmed the existence of a previously known gold deposit which was earlier thought to have the capability of supporting a 300-500-ton-per-day milling operation.

GCNL #17 25 JAN 84

GEDDES RESOURCES LIMITED

114P/12E, W (114P 002)

CONSULTANTS ENGAGED. LEADING - Following Falconbridge Limited's conversion of their 51% interest in the Windy Craggy property in B.C. into 22.5% net proceeds interest, Geddes Resources Limited now hold 100% title to the property in effect and are arranging for its development. Falconbridge will participate in profits from operations after all costs, development expenses and capital charges, with interest, have been recovered.

Geddes H. Webster, president, reports that various plans for 1984-1985 are being assessed by Geddes Resources to enable them to complete an economic appraisal of the copper-gold-cobalt-silver deposit. J.A. Crowhurst, P.Eng., has been engaged to consider the work involved and the method of attack. Mr. Webster says: "Although a little more drilling may be warranted, we expect to follow the principal Falconbridge recommendation that an underground evaluation program is the next logical step"....

The program will require about 7,000 feet of underground tunnelling; about 3,000 feet to reach the deposit and then some 4,000 feet of cross cutting and drifting in the mineralized zones. The adit will intersect the main zone about at the point of the gold intersection obtained in hole No. 83-14 which picked up 0.32 oz of gold/ton and 1.2% copper across a true width of 150 feet and at a depth of 1,400 feet. Strathcona Minerals, a Toronto consulting firm, has been engaged to make specific cost estimates of the underground development program in conjunction with the Crowhurst assignment which has much broader parameters. H.A. Simons (International) Ltd. of Vancouver, have been engaged to do computer averaging studies of assays from drilling and sampling obtained over the last 3 years and to prepare sections and plans to the extent possible. Simons will then develop a number of economic models of the deposit based on various assumptions of grades, rates of mining, costs, metal prices and other variables.

The engineering firm of Hatch and Associates have been asked to supervise an examination of the economics of the metals contained in the deposit. This will involve mineralogical and metallurgical tests, mainly at the Lakefield Research Laboratories..

All the consultants have expressed surprise at the relatively easy accessibility of the deposit, the suitability of the terrain for locating roads, air strips, plants and other infrastructure.

Mr. Webster says while "Windy Craggy" because of its sheer size and potential economic importance has dominated the activities of management, we have taken on several other properties for evaluation. The gold property in Hislop township, Ontario, under joint venture with Armco, was drilled in 1983 to test a deposit evidently capable of supporting 300 to 500 tons per day grading 0.5 oz of gold/ton. The deposit has been confirmed by drilling completed just before Christmas when some additional ore of comparable grade has been drill indicated. Assays, however, have not been completed". On the second gold property under joint venture with Fricmore Resources, humus sampling and an I.P. survey, have been done. Drilling of a potentially economic gold zone is proposed.

GCNL #252

30 DEC 1983

GEDDES RESOURCES LIMITED

FALCONBRIDGE LIMITED

"Windy Craggy Is Now Acknowledged As The Largest Deposit Of Its Kind In The Western World And The Recent Gold Intersection Has Greatly Enhanced The Potential Of the Deposit."

UNDERGROUND BULK SAMPLING PROGRAM FOR 1984 NOW BEING PLANNED AND WINDY IS FINDING METHODS ARE UNDER CONSIDERATION

- Geddes M. Webster, president of Geddes Resources Limited, has reported that on Nov. 25, 1983 the company assumed total responsibility for evaluation and future development of the Windy Craggy copper,

gold, cobalt and silver property located in northwestern B.C. Under the deal, Falconbridge Limited, through their subsidiary Windy Craggy Explorations Limited, has agreed to transfer its 51% interest in the Windy Craggy property to Geddes Resources in exchange for a 22.5% net proceeds participation in the property. The proceeds are calculated after recoupment of exploration, preproduction, development and capital expenditures including interest. This deal was made so that Windy Craggy can be assessed and developed in the most expeditious manner. Falconbridge continues to have a very real interest in seeing that the property becomes a producer. Falconbridge has been operator for the last three years and is willing to continue as operator to complete the work and studies now in progress.

In the last three years, 21 diamond drill holes were completed for a total of 8046 meters on expenditure of about \$3,000,000. The work included geological mapping, geophysical surveys which have confirmed the presence of an immense body of sulphide mineralization with copper, gold, cobalt and silver as potential economic minerals. The strike length exceeds 1800 meters over which widely spaced drilling and sampling has now been done. True width at times of up to 200 meters have been indicated. The mineralization is a strata bound volcanogenic massive sulphide deposit evidencing zoning which suggests that higher than average grade zones are available for consideration of mining.

Zoning is one of the exciting features of the deposit which makes it substantially different from porphyry copper deposits which tend not only to contain overall lower grades but also to lack significant zoning. It is too early to be specific but it is indicated the deposit may contain 100,000,000 tons of 2.8% copper within the drilled area which in turn may contain 350,000,000 tons of mineralization. Cobalt occurs fairly uniformly with gold and silver of lesser content. An intersection of 200 feet of 0.32 oz. gold/t is to be further explored.

NM MINER 13 OCT 1983

Big gold intersection is pulled on B.C. Windy Craggy copper bet

Geddes Resources says an impressive gold intersection has been pulled on the Windy Craggy copper-cobalt property in a remote area of Northwestern British Columbia, a joint venture with Falconbridge Limited.

Geddes President Geddes Webster, who estimates the overall deposit contains in the order of 350 million potential tons of material grading 1.5% copper and two lbs. cobalt per ton, (N.M., July 7/83) tells The Northern Miner a hole in the current season's drill program by operator Falconbridge intersected 9.2 g (0.32 oz.) gold across a drill section of 61.23 m (200.8 ft.), from 417.7 m to 479 m.

Mr. Webster says the hole (No. 83-14) also assayed 9.6 g (0.34 oz.) silver and 1.21% copper across the same intersection. He said the high grade interval in the section from 440.3 m to 464 m, or 23.7 m, assayed 1.49% copper, 16.43 g (0.58 oz.) gold, and 5.45 g (0.19 oz.) silver per ton.

The gold intersection is contained in the footwall of the high grade zone of the main sulphide body, and is located between holes 82-11 and 82-12, spaced about 400 m apart. Hole 83-14, drilled as a fill-in to complete the series of sections, dipped at -51° at the intersection and cut at about right angles across the structure, which dips about 80° to the east.

"It was completely unexpected to hit this high grade gold intersection," the Geddes president says, "but such occurrences are not, apparently, unusual in this type of deposit."

He said it was obvious the two companies would concentrate on the

area in next year's drill season, not due to start until July of next year.

Operations at the Windy Craggy site, following completion of an estimated \$1.4 million 1983 program involving eight holes for a total of 4,141 m, were shut down about mid-September because of freezing.

Mr. Webster says assays from drilling and surface sampling in 1983 are now being appraised, and results will be contained in a summary report expected within the next six weeks.

114P (see W)
(114P 000)

NM MINER 8 DEC 1983

Geddes says Falconbridge not walking fully away from Windy Craggy project

While Falconbridge Limited has transferred its interest in the big Windy Craggy copper-cobalt property in northwestern B.C. to Geddes Resources, it does not mean Falconbridge is walking completely away from the project, Geddes says.

Windy Craggy Explorations, a Falconbridge subsidiary, will transfer its 51% interest in the property to Geddes for a royalty equal to 22.5% of the net proceeds of production, should it reach that stage.

But Geddes president Geddes Webster tells The Northern Miner, it's probable that within the next two months Geddes will be requesting Falconbridge to continue as operator on the project, subject to negotiations for a management agreement.

Since the exploration joint venture between the two companies began about two years ago, 21 holes have been drilled totalling 8,046 m, and showing the presence of copper, gold, cobalt, and silver.

Geddes estimates the over-all deposit contains in the order of 350 million potential tons of material at a grade of 1.5% copper, 2 lb. cobalt per ton, and measurable amounts of gold, silver and zinc.

Mr. Webster says Falconbridge is now appraising the results of the last three years' work on the Windy Craggy project, and in addition is continuing to conduct weather monitoring in the Windy Craggy area, under contract from Geddes.

A detailed assessment from underground is the "logical and imperative next step," the Geddes president says.

114P ARE
(114P 000)

CCNL #197 GEDDES RESOURCES LIMITED

12 OCT 1983 FALCONBRIDGE LIMITED

(114P / 12EW)

Hole No.	Interval		Length Meters	Copper %	Oz./Ton	
	From	To			Gold	Silver
83-14	417.77	479.0	61.23	1.21%	0.32	0.34
Includ.	440.3	464.0	23.7	1.49	.58	.19

GOOD GOLD GRADE CUT-IN
1983 DRILL PROGRAM (114P 000)

Geddes M. Webster, president of Geddes Resources Limited, has reported that

an unexpected high grade gold assay has been received in the partial results of core samples from the 1983 surface diamond drilling program on the Windy Craggy copper-cobalt property located 25 miles north west of Haines Junction in north western B.C.

The property contains a large sulphide copper-cobalt zone of mineralization which has been under investigation on a 49% Geddes Resources, 51% Falconbridge basis for the past three years. Total cost of the program in 1983 is estimated at about \$1,400,000 which is shared by the partners. A total of 4141 meters were drilled in 1983 in eight holes. One hole, 83-20, was suspended because of freezing which forced a shutdown of operations about Sept. 10, 1983.

The gold intersection is contained in the east wall of the high grade zone of the main sulphide body and is located between holes 82-11 and 82-12 which were spaced about 400 meters apart. Hole 83-14 was drilled as a fill-in to complete the series of sections. The hole dips at -51° at the intersection and cuts about at right angles across the structure which dips about 80° to the east.

While unexpected, this type of occurrence is not unusual in this type of deposit. The northern half of the deposit has tended to run significantly better in all the potentially commercial minerals of copper, cobalt, gold and silver while some zinc has also been showing up. The copper-cobalt mineralized area being investigated has a total length of about 2000 meters. The results of a new Dighem survey of the area and assays from drilling and surface sampling completed in 1983 are now being appraised.

A summary report of 1983 results is expected within six weeks.

GCN - #177 14 SEP 1983 GEDDES RESOURCES LIMITED

(114P / DE, W (114P 002)

PRIVATE PLACEMENT PROVIDED \$487,500 - Geddes M. Webster, president of Geddes Resources
 WINDY CRAGGY, B.C. DRILLING CONTINUES Limited announced the closing on 1Sep83 with the
 Ontario Municipal Employees Retirement Fund in a
 private placement whereby OMERS has purchased 150,000 shares of Geddes Resources common
 shares at \$3.25 each to net \$487,500, with warrants to buy 150,000 shares at \$3.25 until
 31Jan84 and thereafter at \$3.80 per share to 31Jan85. In addition OMERS has received a non-
 cumulative preferential right to subscribe for treasury shares to the extent that will main-
 tain its position at approximately 26% of the issued shares of the company.
 OMERS has also purchased from HCI Holdings Ltd. 300,000 free and 200,000 escrowed shares of
 Geddes from HCI Holdings and others.

Geddes Resources and Falconbridge are continuing with the 1983 drilling program on the
Windy-Craggy copper-cobalt deposit in northwest B.C. Both companies have expressed great
 satisfaction with the indicated results of the work which has been concentrated toward the
 northerly end where the most exciting zoning of copper mineraliation occurs. Diamond drill-
 ing will be completed soon because of weather conditions and it is then expected to take
 6 - 8 weeks to fully evaluate the results.

conditions there would mean an
 early completion of the program.

WINTER
MAY 1983

Falconbridge closing Wesfrob Mining Division

Falconbridge Limited will close its Wesfrob iron-copper mine at Tasu on the Queen Charlotte Islands, BC, in October 1983. The operation is running out of economic ore reserves. Opened in 1967, the site was originally mined as three open pits until 1977, when all production came from underground orebodies. A total of 12-million dry tonnes of iron concentrate, grading 65% iron and about 270,000 tonnes of copper concentrate, grading 21% copper, will have been produced by the time the mine is closed. The 145 staff and union employees will be relocated from the company townsite.

In northwestern BC, Falconbridge and its joint venture partner Geddes Resources have agreed to a \$1.2-million drilling program for 1983 on the Windy Craggy copper-cobalt property. The companies earlier reported a drill indicated tonnage of over 91-million tons grading 3.04% copper and 0.09% cobalt. Inferred tonnage is over 334-million tons grading 1.52% copper and 0.08% cobalt.

1030/10E
(1028-208)

14P/v
1028-208

NMINER 9 JUNE 1983

Geddes drilling soon on B.C. copper bet

Geddes Resources says drilling will start about the first week of July on its Windy Craggy copper-cobalt property in northwest British Columbia, a joint venture with **Falconbridge Limited**.

114P/25N
(114P 002)
The two companies have agreed on a \$1.2-million drill program for this year on the property, according to Geddes Webster, president of Geddes Resources.

Mr. Webster tells The Northern Miner the drill program in July will take about 10 weeks to complete, and will consist of fill-in drilling, as well as drilling to test the northern open-end extension of the deposit.

He adds that a major Canadian pension fund has agreed to purchase 500,000 common shares of the company from HCI Holdings and Associates. The purchase, which is subject to regulatory approval, represents approximately 25% of the outstanding shares of Geddes.

He says the same pension fund has agreed to purchase 150,000 units from the company, each consisting of a common share and a warrant, at \$3.25 per unit. Each warrant entitles the holder to purchase four additional common shares of Geddes Resources. The warrants rank equally and are exercisable at the same price as the existing warrants of the company.

114P/25N 114P 002

NMINER JULY 1983

Drilling resumes on B.C. Windy Craggy bet

Diamond drilling is again under way on the Windy Craggy copper-cobalt property in Northwestern British Columbia, a joint venture of **Geddes Resources**, and **Falconbridge Limited**.

Geddes President Geddes Webster tells The Northern Miner that operator Falconbridge will drill a total of 3,200 m in seven holes with two drills in this year's \$1.2-million program on the property. Geddes and Falconbridge share costs on a 49%-51% pro rata basis.

Falconbridge did over 12,800 ft. of drilling in 12 separate holes in the 1981 and 1982 drilling seasons at the Windy Craggy property. Mr. Webster estimates the over-all deposit contains in the order of 350 million potential tons of material grading 1.5% copper, two pounds cobalt per ton, and measurable amounts of gold, silver, and zinc.

He said the current program is designed to test the higher grade areas, as well probe as far as possible into the open end toward the northwest, where geophysics strongly suggests continuation on strike. The deposit will also be probed at depth.

The Geddes president says once the current drill program is completed, the next stage of work is expected to be a full underground assessment, including bulk sampling.

Mr. Webster notes in the com-

pany's annual report that while "there is no doubt about the existence of a great deposit of copper-cobalt-bearing sulphides at Windy Craggy, much work remains to be done before production plans can be formulated."

The company estimates that the feasibility study to production would cost from \$15-20 million, and could take two years to complete.

Since mid-1981, Geddes Resources has raised \$3.33 million by private and public subscription involving sale of treasury shares and exercise of warrants. Mr. Webster says during 1984 and 1985 the company expects to receive additional funds from the exercise of outstanding warrants.

(b)

WMINER FEB 1983

Geddes-Falconbridge estimate reserves at Windy Craggy

Drill-indicated tonnage of over 91-million

tons grading 3.04% copper and 0.09% cobalt has been calculated for the Windy Craggy joint venture of Falconbridge Ltd (51%) and Geddes Resources (49%) in

northwestern BC. This tonnage is calculated for the property's high grade hangingwall zone which extends 2600ft in length.

Estimated reserves for the over-all deposit, along a strike length of 3250ft, are over 334-million tons with a grade of 1.52% copper and 0.08% cobalt, plus values in zinc, gold and silver.

A total of 12 holes have been drilled during 1981 and 1982 for a total of 12,811ft. Approximately \$1.8-million has been spent on the two-year program of which Geddes Resources provided \$1.5-million to earn a 49% interest and the balance is contributed 51% by Falconbridge and 49% by Geddes.

~~114P/12E, W~~
(114P 002)

GCNL #69 11 APR 1983

GEDDES RESOURCES LIMITED

~~114P/12E~~ (114P 002)

DRILL PROGRAM PLANNED - Geddes Resources Limited and Falconbridge Limited have agreed to a \$1,200,000 drilling program for 1983 on the Windy Craggy copper-cobalt property located in northwestern B.C. The 1983 holes will test 300 meters of strong diagen anomaly which is the interval between holes drilled in 1982 that yielded excellent grades and wide intersections. The 1983 program will also test an area to the northwest where the deposit is open. Costs of the program will be shared in proportion to the interests held by both companies namely 51% Falconbridge and 49% Geddes Resources.

Geddes Resources Limited is also drilling a gold prospect on a joint venture with St. Joe Canada located in the Uchi Greenstone Belt east of Red Lake, Ontario. Four holes are being drilled for possible extensions to this old gold showing which in the early 1940's was drilled over a length of 1200 feet grading 0.194 oz. gold/ton across an average width of about 7 feet. The program is referred to as the Horseshoe Island Project and is about 100 kilometers east of Red Lake. Geddes Resources Limited will earn a 49% interest in it upon expenditures of \$150,000.

Minister's view of copper find not shared by mining mogul

By Stephen Hume

Energy Minister Brian Smith announced Friday that one of the most significant copper-cobalt deposits in North America has been found in north-west B.C., but a mine company executive doesn't share his enthusiasm.

"I wouldn't describe it that way," Ed Shiller, director of public affairs for Toronto-based Falconbridge Ltd., said in a telephone interview.

"Its size makes it potentially one of major economic significance for the area, and I would stress potentially."

Falconbridge is associated in the

drilling and exploration venture with Geddes Resources.

Shiller said the huge sulfide deposit is still in the early stages of evaluation. The deposit is at Falconbridge's Windy-Craggy property, on a mountain ridge surrounded by glacial ice near the Alaska Panhandle.

"It could become one of the largest of its kind, and I stress could," Shiller said.

"But it is just too early to tell whether it's significant or not. We have to be careful in these things not to use a lot of hype. We have to be careful about premature conclusions."

He said there are factors that could

make mining unprofitable, even if the deposit is found to be significant. These include weather, inaccessibility, and difficulty servicing a community.

The fluctuating copper market is also a factor.

"What's the point of taking copper out of the ground for \$2 a pound if the market value is only going to be 70 cents a pound?"

While the principal economic mineral at the site is copper, the deposit may have potential for cobalt if it can be extracted profitably, Shiller said.

But Smith's announcement, made in a news release, says both copper and cobalt are found in significant amounts at the site — "one of the most significant copper-cobalt deposits ever found in North America."

It says the discovery "confirms the region's immense mineral resource potential (and) clearly illustrates why the provincial government is moving ahead on the creation of an overall economic development strategy for the province's northwest region."

Smith's announcement says the cost of developing a mine and supporting community has been estimated at about \$1 billion. He said inter-ministry study groups are examining the region's energy, transportation and manpower needs as well as community require-

ments for housing, education and health care.

Smith was out of town and unavailable for further direct comment.

Copper is used in a wide range of industries, including electrical and communications, and cobalt is an alloying agent used in the manufacture of metals and high-temperature materials.

Current world markets for copper and cobalt are not strong. High inventory levels and a poor market demand for cobalt are expected to continue for the foreseeable future, and copper production around the world has been curtailed.

Falconbridge last summer announced major staff and workforce reductions as well as temporary production shutdowns in Ontario, Yukon, the Dominican Republic and Norway.

This was in response to high inflation and weak metal markets that presented the company with its poorest business conditions since the 1930s.

The Lake Dufault Division (Quebec) of Falconbridge Copper suspended operations last August, pending improved market conditions. It remains down today.

"We have control of the situation from a fiscal point of view — we made cutbacks and reductions in the cost of production — but we don't have control of the markets," said Shiller.

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GNL #9 14 JAN 1983

W.C., Windy, Craggy
GEDDES RESOURCES LIMITED

NO.9(1983)
JANUARY 14, 1983

114P/12EW (114P 002)

IN NW B.C., COPPER-COBALT DEPOSIT - Geddes Resources Limited has financed and Falconbridge Limited have carried out diamond drill exploration of a large, massive sulphide deposit in NW B.C., the size of which makes it potentially one of major economic significance for the area, notwithstanding its location. In announcing this, Geddes' management report that a total of 12,811 feet were drilled in 12 holes in the 1981 and 1982 field seasons. Drill sections were spaced about 100 meters apart except in the northwest part where higher grade inter-sections were encountered in the last 3 widely spaced drill holes.

About 3500 feet of the roughly NW-SE strike length have been drilled and the deposit is still open to the northwest. The dip is -80 degrees northeast. The zone has been tested over a vertical distance of about 1200 feet. The weighted average horizontal width is about 450 feet.

In 1981, 8 holes were drilled along a strike distance of 1600 feet at the SE end of the zone. In 1982, holes 9, 11 and 12 were northwest of the 1981 drilling, holes 11 and 12 being spaced at intervals 660 and 1960 feet NW of hole 9. The major part of the copper bearing zone extends from hole 9 about 2000 feet NW to beyond hole 12. Significant assays are: in the hole 9-82, 2.60% copper over 20 feet; 11-82, 2.74% copper over 380 feet and 12-82, 3.03% copper over 173 feet.

Geddes have commissioned an independent report from consultants, Derry, Michener and Booth.

About \$1,800,000 have been spent on the program of which Geddes provided \$1,500,000 to earn 49% interest and the balance was contributed 51% by Falconbridge and 49% by Geddes. Besides the copper, the deposit may have a potential for cobalt and measurable assays of silver, gold and zinc were reported in the upper sections of the last hole drilled.

Geddes management say this deposit, while still in the early stages of evaluation, could become one of the largest of its kind (copper-cobalt) in the world.

Geddes is an exploration company. It was first privately financed in 1981 and in mid-1982 completed a public financing, through Osler, Wills, Bickle Limited. All private and public shares issued in 1981 and '82 are "flow through" shares and provided investors with earned tax write-offs. Warrants, exercisable on 31 Jan 83 at \$2.50 per share are similar in that they also will earn investors tax write-offs in 1983 for approved Canadian exploration expenses.

114P/12EW

(114P 002)

THE NORTHERN MINER January 13, 1983

Geddes calculates big tonnage on B.C. copper-cobalt project

A drill-indicated tonnage of over 91,000,000 tons with a grade of 3.04% copper and 0.09% cobalt has been calculated for the Windy Craggy joint venture of **Falconbridge Ltd.** and Geddes Resources, in northwestern B.C.

Geddes President Geddes Webster tells *The Northern Miner* that this tonnage is indicated for the property's high grade hangingwall zone, which extends for a length of 2,600 ft. He says the inferred tonnage for the over-all deposit, along a strike length calculated at 3,250 ft., is over 334,000,000 tons with a grade of 1.52% copper, and 0.08% cobalt.

Mr. Webster says the tonnage calculations by Geddes Resources are based on drill results reported by operator Falconbridge Ltd., from over 12,800 ft. of drilling in 12 separate holes during the 1981 and 1982 drilling seasons.

He said the best hole in the 1982 program, No. 11-82, intersected 708 ft., over a true width of 490 ft., at depths from 896 ft. to 1,604 ft., with an average grade of 1.92% copper. He said in the hangingwall zone the hole ran 2.7% copper over a true width of 290 ft.

The Geddes president said the big new copper-cobalt deposit could be the biggest such discovery in Canada in over 25 years. "In fact it compares very favorably, in tonnage and grade, with the current reserve picture at the **Kidd Creek Mines** orebody at Timmins," he said.

He points out, too, that the Windy Craggy property lies only 40 miles east of the Haines-Alaska highway, and is within 70 miles of tidewater. There is also easy access to the base camp, which is seven miles from the property.

A substantial evaluation remains to be undertaken before a final feasibility study can be completed, Mr. Webster acknowledges, adding that tonnage and grade calculations are preliminary and subject to revision as mineralogical and metallurgical work, check assays, reassessment of zoning and recalculation of reserves



take place.

He says Geddes Resources now proposes to drive a tunnel, at a cost of approximately \$20 million, along the strike of the zone, so that comprehensive ring drilling and bulk sampling can be done by cross-cutting at selected points.

Joint consideration by Geddes and Falconbridge on the next stage of work is "now in progress," he said.

Geddes Resources has earned a 49% interest in the deposit by contributing \$1.65 million during 1981 and 1982 toward the cost of the diamond drill program, airborne geophysics, and geological mapping. The company's commitment was for \$1.5 million.

Falconbridge Ltd., the operator, has elected to retain its 51% interest by reimbursing Geddes Resources its pro-rata share of the excess expenditure over \$1.5 million.

JANUARY 26, 1982

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GEDDES RESOURCES LTD.

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DRILL PROGRAM PLANNED TO CONTINUE - M.F.K. Carter, chairman of Geddes Resources Ltd., has reported plans are being prepared for a continuing exploration program on the Windy Craggy copper-cobalt project in NW B.C. Geophysical and geological surveys have indicated that the Windy Craggy sulphide zone extends over a length of about 6,000 feet and the 1981 drilling program has encountered massive sulphides in core sections of up to 400 feet in length. Copper and cobalt are distributed within the massive sulphide zone, and the objective of the drilling program is to locate concentrations of these metals within the zone. Drilling completed to date has only tested the more accessible southern section of the sulphide zone over a strike length of 1,500 feet. The 1982 program will be directed towards drill testing the central portion of the mineralized structure.

Under the agreement with Falconbridge Nickel Mines Limited, Geddes Resources can earn up to a 49% interest by providing \$1,500,000 for exploration. In 1981, about \$900,000 was expended on the property by Geddes which expects to earn its 49% interest in the 1982 season.

The Geddes Resources program is under the direction of Geddes M. Webster, P. Eng. The company is offering 1,500 units consisting of 500 common shares of Geddes Resources and the right to earn 500 class A convertible preferred shares. The unit price is \$5,150. It is intended that most of the \$5,000 portion of the purchase price will be designated as exploration expenses which will be deductible from investor's income under federal tax legislation which encourages mineral exploration. The offering is through Walwyn Stodgell Cochran Murray Limited.

It is intended to have the shares listed on the Toronto Stock Exchange as soon as possible after completion of the distribution of the issue.

Geddes awaits results

Geddes Resources has completed three holes totaling 1,364 m in the 1982 drilling and field program on its northwestern B.C. Windy Craggy copper-cobalt prospect joint venture with Falconbridge Ltd.

Geddes says field data has now been received from Falconbridge, the operator, and the material is currently being assessed. Results have confirmed a continuation of widths along an extension of about 2,500 ft. to the northwest of the already-established 1,500 ft. of strike length drilled in 1981. The sulphide zone is still open on strike to the northwest, the company adds.

The company says it is now issuing shares to investors who bought units in Geddes' recent public issue.

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