

881480

VBS → BROKEN
ALL

MEMORANDUM

Date: January 3, 2001
From: J.E.L.(Leo) Lindinger, P.Geo.
To: Mr. Gary Payie, P.Geo.
Subject: Vista-Navan-Mike data for Minfile purposes

Dear Gary,

This memo is in response to your request to Mr. Jim Gillis for location and geological data on the new Vista-Navan-Mike high grade zinc-lead-silver discoveries near Avola B.C. Mr. Gillis has approved the following draft discussing my observations and preliminary conclusions (which are based in part from other parties observations) of these showings.

VISTA SHOWING - first discovery September 6, 2000 around 11:30 am.

Location: UTM zone 11 5745390 N 344370 E, 1415 m. el..

Lat. 51° 50' 15" N, 119° 15' 31" W

About 1 km northwest of Fowler Lake. and 10 km NNE of Avola.

The Vista "A" showing is a partially exposed band of very dark brown fine to medium grained massive sphalerite with subordinate galena, pyrrhotite, chalcopyrite and pyrite?. The band was exposed by blasting to establish a road surface for the Cornice Logging road at about Km 9.3. The band is at the contact of sulphidic siliceous gneisses on the structural footwall, and an overlying 2+ meter thick band of calc-silicate rocks that appear to be highly metamorphosed limestones. The showing appears to be part of a moderately (10-20 degrees) southeast plunging partially eroded antiform or northeast dipping monocline. Rocks to the northeast change dip to moderate to steep northeast dips. Exposures to the southwest are eroded off, and covered by glacial debris, or have not been mapped.

The observed mineralization is in the form of planar to swirling bands of nearly 100% sulphides up to 35 cm thick that grade upward into the calc-silicate host rocks into less intense massive and semi massive sulphides bands. The contact with the underlying silicate rock appears very sharp. The band of Vista "A" type mineralization is discontinuously exposed over about 20 meters, and is assumed to be continuous except for the following. It is truncated at surface to the northwest by a northwest striking moderately northeast dipping fault that brings a pegmatite dyke into direct contact with the mineralization. It plunges below the logging road to the southeast. High grade representative grabs from bedrock exposures report up to 24% zinc, 4.9% lead and 72 g/t silver.

Vista "B" type mineralization occurs 2 to 3 meters structurally above the Vista "A" horizon and is hosted by and contained within the calc-silicate rocks. This zone is also

stratiform and is as exposed, a 5 to 10 cm thick band of dark brown coarse grained massive to semi-massive sphalerite. Not even trace amounts of lead, silver and copper are reported. This band is exposed in its unweathered form for at least 5 meters about 20 meters southeast of the Vista "A" discovery outcrop. To the northwest it is eroded off. To the southeast it also plunges below the road. To the northeast, if continuous it would dip to the northeast as part of the stratigraphic package.

Vista "C" type mineralization (discovered by M. Warner Gruenwald, P.Geo.) are fault? hosted 4 to 6 cm thick silvery-grey medium to fine grained massive to semi-massive sphalerite and galena bands that appear to both occupy the top of and crosscut the calc-silicate horizon hosting the Vista "A" and "B" mineralization. Weathered exposures are visible over a planar 8 by 2.5 meter exposure of the top of the calc silicate horizon above the fresh exposures of the Vista "B" mineral band. A sample (0.8 m. long by 8 cm thick) taken by Mr. Gruenwald returned 6.6% zinc, 4.1% lead and 6/2 g/t silver.

The calc silicate unit hosting the various types of zinc rich sulphide mineralization appears to contain erratically generally weakly disseminated sphalerite with probably subsidiary argentiferous galena. Traces of other iron and copper bearing sulphides are also present. This uncertainty is due to the generally well weathered nature of the surface exposures present and the lack of sample data.

NAVAN SHOWINGS - first discovery September 6, 2000 around 13:00.

Location (Navan A): UTM zone 11 5744500 N 344500 E, 1385 m. el..

Lat. 51° 49' 49" N, 119° 14' 32" W

About 10 km NE of Avola, 0.2 km west of Fowler Lake at 7.4 km point on the Cornice Logging road.

The Navan "A" showing is a partially weathered poorly exposed band of dark brown fine grained massive sulphides hosted by disrupted (frost heaved?) calc-silicate rocks. The grade and style of mineralization are very similar to the Vista "A" type with the following difference, the highest grade exposures are totally within calc-silicate (meta-carbonate) host rocks.

Massive sulphide mineralization up to 25 cm grading up to 23% zinc, 4.05% lead and 17 g/t silver. occurs as float that was dug out of the subcrop exposures hosting the sulphides by the road construction crew. The package hosting the mineralization appears to be part of a moderately southeast plunging antiform.

The Navan "B" showing is about 130 meters north of the Navan "A" exposure. Here a small 1.5 meter long 5 to 10 cm band thick of massive sphalerite that is hosted by westerly dipping silicate rocks is found. No real bedrock exposures can be seen here and the rocks hosting the sulphides may be a large rotated subcrop boulder. A 0.3 meter thick sample taken by Mr. Gruenwald including the massive sulphide mineralization returned 5.6% zinc, 0.6% lead and 8.4 g/t silver.

A open ended soil anomaly immediately north (up ice) and west (down hill of the Navan "B" showing that contains the highest zinc (2590 ppm) and lead (412 ppm) values in soil (600+ samples) found to date.

MIKE FLOAT SHOWING - first discovery September 26?, 2000 around 17:00 pm.

Location: UTM zone 11 5740800 N 346400 E, 1610 m. el..

Lat. 51° 47' 49" N, 119° 13' 39" W

About 0.5 km northwest of Shannon Lake, 4.0 km SSE of the Navan "A" showing at Km 15.2 on the Shannon Ck Logging road.

The Mike Float showing contain cobbles and boulders of dark brown massive, semi massive and disseminated fine to coarse grained sphalerite and pyrrhotite associated with garnetiferous calc-silicate, pyrrhotitic silicate and coarse grained pegmatitic rocks that are exposed over 40 meters in a series of pits dug for material to upgrade the Shannon Ck Logging road. The boulders and cobbles can be dug out of the bank and occur within discreet stratigraphic zones near to and overlying possibly disrupted pegmatitic bedrock. northwest of the float occurrence is an area of calc silicate float and bedrock extending for over 2 km. To the southeast is deep glacial till extending to Shannon Lake. One sample by Gruenwald from a massive sphalerite boulder returned 19.6 % zinc, and 352 ppm cadmium. The lead content of this and other samples have consistently lower lead values than the Vista and Navan areas. However a soil sample site approximately 100 meters north of the float area returned the second highest lead (250 ppm) (with accompanying high zinc (270 ppm) along with weakly anomalous chrome and nickel) of all the samples taken on the Vista, Navan and Mike areas. This may have significant implications in the Mike area as the observed mineralized rocks in the road exposures and preliminary soil results to the north (up ice) have different geochemical signatures.

OTHER OBSERVATIONS In all areas where massive sulphide mineralization has been observed the best soil anomalies are some distance away. The implications of this preliminary observations will be examined next year.

Yours Truly

Leo J. Lindinger, P.Geol.

Schroeter, Tom EM:EX

From: Schroeter, Tom EM:EX
Sent: Friday, January 12, 2001 11:57 AM
To: Dittrick, Maggie EM:EX
Subject: FW: New showings for MINFILE

Maggie, can you open and pring the zip and include in the appropriate Minfile base. Also - a hard copy for me, please. Thanks. Tom.

From: Payie, Garry EM:EX
Sent: Wednesday, January 10, 2001 9:40 AM
To: Schroeter, Tom EM:EX
Cc: Cathro, Mike EM:EX
Subject: FW: New showings for MINFILE

Tom,

At the bottom is a file with descriptions of the Navan (082M 279), Vista (082M 280) and Mike (082M 281) prospects as received from Leo Lindinger. Tryg has deleted and added a few things for the MINFILE write-up which has gone into the corporate MINFILE database today. I am including the MINFILE mapsheet.zip of these three occurrences in case you want to append them directly to your MINFILE data set.

Garry



From: Leo J. Lindinger[SMTP:jellind@mail.ocis.net]
Sent: Wednesday, January 03, 2001 6:03 PM
To: Payie, Garry EM:EX
Subject: Re: New showings for MINFILE



attached to this cover is a short descriptions of the new discoveries.

Hope this helps.

PS both Mike and Trig Hoy have seen the showings and as far as i know are working on a paper on them.

Leo