DODGEX LTD.

MIDAS PROPERTY

Claims: Midas 1-6 and Midas 13, 15, 17, 25, and 27

1996 SUMMARY REPORT

GEOCHEMICAL AND MAGNETOMETER SURVEY

Prepared by:
James S. Dodge, MSc. P.Eng.

Watson Lake Mining District
Claim Map 105 G/12 Starr Creek
61°42' N Latitude / 131°44' W Longitude

June - October, 1996
SUMMARY

Dodgex Ltd. holds the Midas property 105 G/12 comprising eleven contiguous claims near the Hoole River 52 km southeast of the town of Ross River, southern Yukon.

The property encompasses a largely drift-covered bedrock area where in 1994 and 1995 gold/copper and high grade stratiform zinc float has been found, and where anomalously high gold/copper/arsenic values have been obtained from nine, deep, top-of-till, -200 mish samples in 1995.

This report presents results from follow-up till sampling in 11 newly dug test pits, a test magnetometer survey, and line cutting conducted in 1996.

Recommendations are made for an electromagnetic survey to define a possible lineament conductor parallel to the ENE-trending Hoolio Creek tributary of the Hoole River.
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1.0 Introduction

1.1 Location and Access

The Midas property comprises 11 contiguous quartz claims in southern Yukon held by Dodgex Ltd. of Whitehorse.

The claims are situated approximately 52 km southeast of the town of Ross River (Figure 1) with the centre of the property at 61°43' north latitude and 131°44' west longitude on the 105 G/12 claim sheet.

Access to the property is by 1/2 km of foot trail beyond the end of a 1.5 km bulldozed track from the end of a 4x4 pioneer road extending 5 km south from the Campbell Highway at a point 63 km southeast of the town of Ross River and 200 meters west of the Hoole River bridge.

Trans North Air helicopter based at Ross River can also provide access to the property.

1.2 Terrain

Midas claims cover both glaciofluvial terrace deposits near the Hoole River, and morainal till blanket deposits on the higher slopes southwest of the river. Bedrock exposures comprise less than 5 percent of the claim area, with most outcrops found within the terrace deposit domain near the Hoole River.

Elevations on the property range 900-990 meters above mean sea level.

Vegetation cover comprises mixed stands of mature spruce and aspen along the Hoole River; patchy open mixes of spruce, alder, muskeg dominate at higher elevations.

Permafrost is present discontinuously and commonly below the post-glacial solum which ranges 0.5-1.0 meter in thickness.
1.3 Claim Ownership

The Midas property, located in the Watson Lake Mining District, comprises eleven contiguous quartz claims as of 01 November, 1996, namely Midas 1-6, 13, 15, 17, 25, and 27. Midas claims 7-12, 14, 16, 18-24, 26, 28, and 29 of the original staking in October, 1994 are not (have not been) renewed.

Dodgex Ltd. of 14 MacDonald Road, Whitehorse, Yukon Y1A 4L2 is the registered owner of all the Midas claims. The expiry date for the claims is 30 October, 1996.

1.4 Personnel/Work Schedule

Field work in geochemical sampling, magnetometer test survey, and line cutting was conducted by James S. Dodge, P.Eng., Mining Geologist, during 03-06 October, 1996. Sieving of eleven geochemical till sediment samples to -200 mesh was carried out by James S. Dodge at the Northern Analytical Laboratory in Whitehorse on 15 October, 1996.

Office preparation of this report of findings took place from time to time during mid-October to early November, 1996.
2.0 **Geology**

2.1 **Introduction**

Cobble-by-cobble detailed till prospecting was continued along the left bank of the Hoole River on Midas claims #1, 3 and 5 in the search for additional boulders of the exceptional stratiform sphalerite-rich metaquartzite boulder found on Midas #1 claim late in 1994 - one of the key discoveries leading to staking of the Midas claim group.

Deep-pit geochemical sampling of the top-of-till horizon extended the 1995 sampling plan. A magnetometer survey was carried out across the Hoolio Creek lineament.

2.2 **Regional Geology**

The Midas claims are situated in the Nisutlin allochton 10 km northeast of the Tintina strike-slip geosuture fault zone displayed at the western border of the Finlayson Lake geological map NTS 105 G (Templeman-Kluit, 1977).

The Nisutlin Phanerozoic allochton in the broad area of the Midas property comprises dominantly Cambrian (?) muscovite chlorite quartz phyllite, limestone, and amphibolite with prominent shearing both parallel to the northwesterly trending Tintina fault and to its splays which host Cretaceous-Tertiary feldspar quartz porphyry plugs. Several small areas of Tertiary basalt, both olivine and non-olivine bearing, outcrop in the Hoole River and Starr Creek drainages.

2.3 **Midas Claims Geology**

Glacial till and post-glacial solum effectively conceal bedrock over 95% of the area underlying the Midas claims. Bedrock exposures on Midas claims 1, 3, 5, 7, 10 and 11 reveal a stratigraphic triad comprising a basal chlorite schist, overlain by thin bedded limestone, and an upper sericite quartz chlorite schist. Open folds and foliation/bedding inclinations of 10°-25° westerly characterize all three units. A Cambrian age is tentatively assigned to the triad.
Basal chlorite schist is exposed only along the shoreline of the Hoole River on Midas 5 and 7, and on Midas 11 claim where stratigraphically only 10 meters of its upper portion of overall thickness is exposed.

The thin-bedded, buff weathering, grey limestone is well exposed in cliffs along the glaciofluvial terraces near the Hoole River on Midas 1, 3, 7, and 11 claims. Including the upper and lower contacts, which incorporate calcareous facies in the bounding schists, the estimated minimum thickness of the limestone is 25 meters.

The upper chlorite quartz phyllite and interfoliated chlorite muscovite quartz schist are exposed on an isolated hillock on Midas 10 and on knolls near the southeastern corner of Midas 11 claim.

2.4 Midas Claims Mineralization

No bedrock mineralization has been found to date on the Midas property.

Detailed prospecting of glaciofluvial terrace cliff exposures and river banks on Midas 1, 3, 5, 7, 9, and 11 was carried out in 1996 in the further search for evidence of mineralization and alteration (carbonitization) in till derived from an up-ice bedrock direction, i.e., 120°-130° Azimuth.

Numerous cobbles and small boulders of milky white, fine grained quartz, with sheeted pyrite/chalcopyrite/chlorite were found along the Hoole River on Midas #1 claim. Assays of up to 1378 ppb gold and 1.68% copper were obtained in 1995 from select boulders. Orange weathering silicified ankerite boulders, with minor pyrite and occasionally mariposite, were prominent constituents of the till. One 0.5 meter boulder on Midas #1 claim comprised striking, dun-weathering, stratiform, syngenetic sphalerite in calcareous meta-quartzite which assayed 12%-16% zinc.
3.0 Geochemical Till Sampling

3.1 Introduction

Investigative geochemical till sampling was undertaken as a follow-up to the initial sampling conducted during 1995 in which 5 out of 9 samples carried above-background gold values.

The 1995 sample Line #1 was extended westerly to the 170m site and another sample Line #2 was cut parallel to and 20 meters south of Line #1 extending from 30m East to 170m West. Sample sites were marked at 20 meter intervals on the lines.

This sampling pattern was laid out (a) up-ice from boulders of auriferous chalcopyrite-quartz-chlorite bulldozed out of glaciofluvial till on the adjoining Eldorado claims 400 meters to the north, and (b) laterally onto a glaciofluvial terrace 75-200 meters west of the cluster of auriferous quartz-pyrite-chalcopyrite bearing till boulders found along the Hoole River.

3.2 Sampling Procedures


The 1996 survey extended the 1995 preliminary survey which comprised an east-west trending "fence" or line (Line #1) was laid out and on which nine sample sites were flagged at 20 meter intervals.

A grubhoe and shovel were used to dig through the A/B/C soil horizons and bottomed in the top of the glaciofluvial silt/sand/gravel horizon. Depths through post-glacial solum ranged 0.5 to 1.5 meters. Permafrost was encountered at only one sample station - on Line #2 @ 90 meters West.

A long handled shovel was used to bring up damp samples averaging 5 kg weight per site. Sieving was by hand at the site with the -2.0mm fraction bagged for laboratory sieving and analysis in Whitehorse. Each of the sieved samples weighed approximately 1 kg.
Field examination of coarse fractions identified chlorite schist, sericite feldspar quartz gneiss, sericite quartz-schist, listwaenite, limestone and basalt - not in the above order of statistical dominance.

3.3 Laboratory Sample Preparation

Laboratory preparation of each of the eleven samples at the Northern Analytical laboratory in Whitehorse, Yukon comprised drying by NAL and then mechanical sieving by James S. Dodge, P.Eng. to obtain the -200 mesh fraction of largely silt and clay composition for analysis. Average weight of the fine fraction for each sample was approximately 25-30 grams.

The -200 mesh size range was chosen because ... "the greatest concentration of most metals occur in the clay fraction because: phyllosilicates, which preferentially occur in the clay size fraction, have a primary metal enrichment within their structure, and metals, released by weathering of labile minerals, are scavenged by colloidal particles such as clay minerals, oxides, and hydroxides" (Plouffe/Jackson/Shilts). Moreover, gold is preferentially enriched in fine fractions of oxidized till (DeLabio, 1985).

10-gram, -200 mesh samples were analyzed for gold by atomic absorption at Northern Analytical laboratory. No sample splits were sent for ICP analysis because the 1995 ICP results, although anomalously high in copper and arsenic, did not indicate a direct correlation with the several anomalously high gold assays. It was planned to send splits later for ICP, but only for those samples which gave high gold values.

3.4 Sampling Results

Results shown on NAL certificate WO#07125, dated 29/10/96, indicate a relatively close range of gold values averaging 12.7 ppb. As outlined by Plouffe and Jackson (1995) in their till sampling in the allochthonous terrane encompassing the Midas property area, background values of 5-7 ppb gold was indicated. In this context, the suite of 11 samples may be considered to represent a broad zone (200 meters wide) of nearly twice background values in gold with three samples from the 1995 Line #1 (30,65,108 ppb) being highly anomalous.
PHOTO 1  Hand dug pit at Line #2-10mWest

* Axe handle in pit illustrates depth to base of solum and top of glacial till sample site. Looking west along cut line.

PHOTO 2  Hand dug sample pit at Line#2 on steep slope west of Polelio Creek on Midas #25 claim.
4.0 Magnetometer Test Survey

A test Line #3 was cut parallel to and 100 meters south of sample Line #2 to serve as a line for a preliminary or test magnetometer survey. Purpose of the survey was to determine if the Hoolio Creek lineament offered a geomagnetic signature significant enough to indicate that a detailed magnetometer survey of the claim block could be a definitive geophysical exploration method.

A hand-held AEM Magnetometer, L.A.Levanto Oy, was used in the survey. Duplicate readings facing north were taken along Line #3 at stations each at 10 meter intervals over a total distance of 200 meters (Figure 4).

Results indicate that no anomalously high magnetic response was found throughout the test line. Thus, it now appears that the Hoolio Creek lineament does not exhibit a detectable magnetic anomaly.
PHOTO 3  Axe cutting of Line #3 parallel to, and 100 meters south of, Line #2 sample line. Site is boundary between Midas #2 claim (foreground) and Midas #25 claim ahead of backpack.
5.0 Conclusions

5.1 Mineralization

Very detailed till prospecting up-ice from the sites along the left bank of the Hoole River, eastern edge of Midas #1, #3, and #5 claims, failed to locate any additional cobbles or boulders similar to the high-grade stratiform sphalerite in metaquartzite assaying 12%-16% zinc.

Numerous cobble-sized milky drusy quartz with pyrite were found, but only two pebbles carried chalcopyrite - and, thereby, possibly gold.

5.2 Geochemical Sampling

Follow-up deep pit till sampling along a sampling "fence" at right angles to the up-ice direction, and parallel to the 1995 sampling, returned only uniformly weakly anomalous gold values.

5.3 Magnetometer Test Survey

No anomalously high or low geomagnetic occurrences were noted at survey stations in the vicinity of the Hoolio Creek lineament.
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<td>17</td>
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<td>L2 170W</td>
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6.0 Recommendations

6.1 Till Prospecting

No further prospecting on the Midas claims for gold/copper or zinc bedrock mineralization appears warranted, and none is recommended for 1997.

6.2 Geochemical Sampling

Given the low geologic potential now known for bedrock mineralization of gold/copper and zinc up-ice from the vicinity of Hoolio Creek, and still within the bounds of the Midas claim block, no further geochemical till sampling is recommended.

6.3 Geophysical Survey

Inasmuch as gold/copper/arsenic bedrock mineralization is exposed near the mouth of the Hoolio Creek tributary to the Hoole River on the Eldorado claims north of Midas #1 claim, a ground electromagnetic survey along Hoolio Creek lineament on Midas #3 and $25 claims is recommended, in order to determine if a conductor is present within the lineament on the Midas claims.
7.0 References


Jackson, L.E., Jr., 1993, Surficial geology, Hoole River, Yukon Territory: Geological Survey of Canada, Map 1794A.


STATEMENT OF EXPENDITURES

Transportation
Whitehorse to Hoole River
return carried under YMIP expenditures

Assays
Northern Analytical Lab.,
Whitehorse. 11 till samples
-200 mesh gold geochem Receipt
#27542 21/10/96 $ 102.99

Field Subsistence
03-06 October., 1996
4 days @ $12/day - evening meal in field 48.00

Labor
Hand digging 11 pits for deep till sampling + field sieving
to —2mm J.S.Dodge as laborer
03/04 'October.', 8 hrs @ $12/hr. 96.00

Survey/sample line cutting 600m and flagging J.S.Dodge as laborer
05 October., 1996 4 hrs @ $12/hr 48.00

Geophysical/magnetometer readings @ 10m intervals J.S.Dodge as Prof. Engr. 4 hrs. @$50/hr 200.00

Mechanical sieving at NAL lab 11 field samples sieved to -200 mesh & weighing J.S.Dodge as Prof. Engr. 0.5day @$400/day 200.00 544.00

Office
Data compilation, drafting, report preparation 24-31 Oct
J.S.Dodge P.Eng. 2 days @$200/d 400.00

Office supplies, photography, flagging, sample bags 26.00

TOTAL 1996 Expenditures .. $ 1,120.99
# Northern Analytical Laboratories Ltd.

**Company Information:**
- **Address:** 105 Copper Road, Whitehorse, Yukon Y1A 2Z7
- **Phone:** 403-668-6968
- **GST Reg #:** 12205004

**Customer Information:**
- **Name:** James Dodge
- **Address:** 14350 110th Ave, Delta, BC 32
- **TAX REG. NO.:**

**Invoice Details:**
- **Date:** Oct 21, 1996
- **Our Number:** 27542
- **Terms:**

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**Total Amount:** $59.24

**Payment:**
- **Paid:** $3.00
- **Paid Cash:**

**Signature:** [Signature]

**Fax Charge:**

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[Image of the invoice with handwritten and printed details.]
STATEMENT OF QUALIFICATIONS

I, James S. Dodge, of 14 MacDonald Road, Whitehorse, Yukon Canada submit the following information which establishes some of my qualifications bearing on the necessary level of competence required to carry out the field work and preparation of this preliminary report on the MIDAS quartz claims in the Yukon.

Education

Missouri School of Mines, B.S. Mining Engineering, 1941
Princeton University, Field Geology, 1940
Stanford University, M.S. Economic Geology, 1951
Albert Ludwigs Universitaet (Germany), Economic Geology, 1952

Experience

Active in mineral industry since 1941 (including U.S. Army engineers) in North and South America, Asia and Africa as prospector, company geologist, mining engineer, mine operator, and consultant in ferrous and non-ferrous metals and in industrial minerals. Among the many organizations which I have been associated as an employee and consultant:

Anaconda, Esso, Mitsui, USAEC, Ventures, DIAND, SCAP-Japan,
Atlas, Glidden, Spartan/Nuspar, Hirst-Chichagof, Floyd Odlum,
Yukon Barite and numerous small mining ventures.

Experience in vein-type gold mines in Colorado (South London) and Alaska (Hirst-Chichagof) is specifically applicable to evaluation of the MIDAS property.

Professional Affiliations

Registered Professional Engineer (No. 311) by Association of Professional Engineers of the Yukon Territory
Senior Fellow of the Society of Economic Geologists
Senior Member of Society of Mining, Metallurgy and Exploration

James S. Dodge, P.Eng.