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# COPY 

A REPORT
ON A
MAGNETOMETER SURVEY
PERFORMED ON THE
ALWIN COPPER PROPERTY FOR
CLAIMSTAKER RESOURCES LTD.
SUITE 1440, 1166 ALBERNI STREET
VANCOUVER, BRITISH COLUMBIA
V6E 3Z3

By R.D. Somerville, P.Eng.

GEOLOGPated December 12000 AGESGMMENTESPORT



# RSGM R. Somerville Geological \& Mining Engineering Ltd. 

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## Introduction and Summary

The Alwin Copper Mine property is located in the Highland Valley area of the Kamloops Mining Division, South-Central British Columbia. The mine experienced three episodes of production. During the period 1916-18, under the name of Chataway Mine, 2,064 tons of high-grade ore $(12.8 \% \mathrm{Cu}, 0.41 \mathrm{oz} \mathrm{Ag} /$ ton $)$ were mined. During the period February to December of 1972 the mine produced 83,613 tons grading $1.5 \% \mathrm{Cu}$, $0.24 \mathrm{oz} \mathrm{Ag} /$ ton. During 1980 to 1981 the mine was operated as an underground mine by Dekalb Mining Corporation, and produced 171,246 tons grading $1.54 \% \mathrm{Cu}$ and 0.39 oz $\mathrm{Ag} / \mathrm{ton}$. Reserves upon closing were determined by Dekalb in 1981 to be approximately 289,600 tons with an average grade of $3.21 \%$ Cu. In 1995 Claimstaker Resources Ltd. delivered from Alwin, approximately 3,000 tons of ore, at a grade of $1.3 \%$ copper to the Afton Mine in Kamloops, under a tolling agreement. In connection with this program, an underground development program took place, together with surface trenching and sampling.

The property is currently held by Claimstaker Resources Ltd., of Vancouver, B.C. (CDNX symbol: CLN) under an agreement by which Claimstaker Resources Ltd. holds a $100 \%$ interest in the property, subject to a $2.5 \%$ Net Smelter Return.

In July 2000, an area of 280,000 square meters ( 700 m X 400 m ) was covered by a magnetometer survey to determine whether the ore zone could be detected along strike on the western part of the Alwin property. A subtle magnetic low offset by faulting indicates the possible extension of the ore zone.

## Location and Access

The Alwin Copper Mine property is located approximately 100 km by road southwest of Kamloops, British Columbia on the western slopes of the Highland Valley (see Figure 1: Property Location Map). The property is immediately adjacent to mining property holdings of the Highland Valley Copper Corporation, and is located approximately 2 km from Highland Valley Copper's current large-scale open pit.

The property is readily accessible by highway from the towns of Logan Lake and Ashcroft by following B.C. Highway 97C, to the Laura Lake road, approximately 20 km west of Ashcroft. The Laura Lake Road, mostly gravel with some paved sections, proceeds through Highland Valley Copper's property and operations until the Calling Lake - Island Lake gravel road is encountered. This road leads to the Alwin Copper Mine, which is approximately 17 km from the junction of Laura Lake Road and the Calling Lake-Island Lake Road. Driving time from Ashcroft to the property is approximately 40 minutes.


## Property

The Alwin property is composed of a contiguous group of 3 Crown Granted mineral and 21 single unit claims or fractions (See Figures 1 and 2). This group of claims and crown grants is located in the Kamloops Mining Division on map No. 92I-6E. The Crown Granted mineral claims are as follows:

IOU DL 3643

APEX DL 3645
OK DL 3644
The mineral claims are all in good standing until February 12, 2001. The Crown Granted Mineral Claims are currently in good standing with taxes paid to date.

A summary of the mineral titles is contained in the Appendix.

## Climate and Physiography

The property is comprised of gently rolling hills that support an extensive, moderately thick lodgepole pine forest, many portions of which have been harvested during the previous few decades, leaving large areas of second-growth forest. Elevations on the property range between 1490 m and 1680 m ASL. The climate there is typical of moderate to high elevations in the South-Central interior of British Columbia. Summers are hot and usually dry, which winters are cold (dipping to $-25^{\circ} \mathrm{C}$ ). On the property snow accumulation during winter rarely exceeds 1 m . Overburden cover is extensive and outcrop is scarce. In the eastern portion of the property, and in the vicinity of the old workings, the overburden cover is relatively thin, usually less than 1.5 m . However, it increases in thickness to the west, where depth to bedrock may exceed 30 m (Sebert and Somerville, 1993).

## Geology and Mineralization

The Alwin Copper Mine is situated within the central core of the Early Jurassic-Late Triassic Guichon Creek Batholith. The deposit is hosted by Bethsaida-phase granodiorite, which is typically fresh, leucocratic (white-grey), coarse-grained and biotitic. It is locally discoloured to light red by stains resulting from alteration of potassium feldspar, or to light green by the development of sericite. On and near the Alwin Copper Mine property, the granodiorite is intraded by steeply dipping, east and northeast striking tabular and lenticular aplite dykes that form networks in brecciated granodiorite.

Regional-scale faults near the property generally strike to the north and east. Both on the property and in the mine, structural features are plentiful, and range in intensity from narrow shears to strong gouge-filled faults. In the mine, the most extensive and persistent fault (approximately 60 cm wide) strikes north-northeast and dips moderately to the east. This fault offsets known ore zones and so-called "ore faults", which are considered to be those faults that contain a sericitic or claylike gouge, strike east, and are contained within high-grade ore bodies (MINFILE No. 0921SW010).

The deposit, considered to be the result of replacement, is comprised of lenses of highgrade copper ore which occur within a steeply dipping, easterly trending zone approximately $457 \mathrm{~m}(1500 \mathrm{ft})$ in length by $152 \mathrm{~m}(500 \mathrm{ft})$ in width by $244 \mathrm{~m}(800 \mathrm{ft})$ in depth (National Mineral Inventory: Report No. 09216 Cu5). The deposit is open at depth and to the east. Within the ore body, ore shoots occur as discontinuous lenses contained in highly sericitized, variably silicified shear zones and minor faults developed within the otherwise massive, fresh granodiorite. The steeply dipping ore shoots tend to trend either
$075^{\circ}$ to $90^{\circ}$ or $110^{\circ}$ to $125^{\circ}$ (MINFILE No. 0921 SW010: National Mineral Inventory Report No. 09216 Cu 5 ), and they pinch, swell and digitate both along strike and down dip. Mined width.s have ranged between 1.5 m and 10.7 m . Locally, northerly trending, easterly dipping $\left(45^{\circ}\right)$ porphyry dykes up to $6 \mathrm{~m}(20 \mathrm{ft})$ in width offset the ore zones both vertically and laterally.

Copper mineralization contained within the ore shoots consists mainly of fine to coarse disseminations of chalcopyrite, along with clots, seams and veinlets of massive chalcopyrite, lesser amounts of bornite, and occasional primary chalcocite (National Mineral Inventory: Report No. 09216 Cu 5 ). Gangue minerals include disseminated pyrite, flake sericite, quartz, epidote and minor amounts of chlorite, specularite and calcite. Post-ore iron carbonate veins are common in ore zones. Small amounts of gold and silver have also been reported (Exploration in B.C., 1980).

## Magnetometer Survey

## General

The most westerly known ore lenses individually appear to have an approximate strike with an $A Z 247^{\circ}$. The surface trace of all the orebodies has an indicated direction of approximately $270^{\circ}$, which is probably caused by fault offsetting resulting in an "apparent trend". However, within two of the major ore blocks the mineralization and fracture/fault trends along which ore deposition has taken place definitely trend $247^{\circ}$. Consequently, it was decided to establish a grid in this direction.

## The Instrument

The instrument used in this magnetometer survey was a Geometrics Model G-816
Portable Proton Magnetometer. The Model G-816 is a complete system designed for all man-carry field applications requiring simple operation and stable measurements of the total intensity of the earth's magnetic field. This instrument is accurate and stable to within $\pm 1$ gamma over a range from 20,000 to 90,000 gammas. Since the instrument measures total field intensity, the accuracy of each measurement is independent of sensor leveling. Furthermore, the measurement is based upon an atomic constant, and is independent of temperature, humidity and sensor orientation. The inherent simplicity of the G-816 proton magnetometer allows rapid, accurate measurements.

## Linecutting

A baseline was established commencing approximately $70 \mathrm{~m} @ 247^{\circ}$ from the most westerly expression of ore in the "Old Adit" near the Upper Portal (see Figure 5). The baseline, labeled on the ground as BL $0+00$, was flagged and picketed from this point to a point 700 m westerly at an azimuth of $247^{\circ}$. Eleven lines at right angles to this baseline
were flagged and picketed for 200 m grid north and grid south, and were labeled on the ground as $\mathrm{L} 0, \mathrm{Ll}$ etc. to L 10 . The lines have a 70 m separation. Stations on the line and the baseline were flagged and picketed at 10 m intervals. The main base station was established at BLO+00 and LO. For the purpose of plotting, BL $0+00$ was established as Line 800 North, and Line 0 as Line 0 West (LOW). Thus, 278 readings were taken from 600 North to 1000 North, and from 0 West to 700 West (see Figure 3). The survey grid is located on CG OK (L3644), Call No. 1 MC, Pal No. 2 Fr., OK6 MC, OK5 MC and possibly cutting the northeast corner of CG Apex (L3645) (see Figure 5).




## Magnetometer Survey Results

The corrected total field magnetic results of the July 2000 survey are plotted on Figure 3 and contoured on Figure 4. Also, on Figure 4 the author has indicated several structures and an interpretation of the data.

A very narrow, weak, subtle magnetic low (Anomaly A) roughly parallels Line 800N (BLO +00 ) approximately 30 to 40 m north of Line 800 N between Lines 490 W and 70 W . Another similar magnetic low structure (Anomaly B) between Line 420W and 700W roughly follows Line 800 N and is interpreted to be a faulted extension of the first magnetic low. The fault (Fault C) appears to trend northwest - southeast.

The rocks south of Anomaly A and Anomaly B appear to be characterized by irregular, magnetically sharp "patchy" highs and lows around a large low area underlain by the lake/tailings pond.

The line grid was established and the survey conducted between July 21 and July 25, 2000. The work in the field was done by R. Somerville, P.Eng., assisted by E. Saunders. Readings were taken at each station on both the baseline and each of the grid lines. In areas of high magnetic gradient, additional readings were taken at 5 m intervals. Frequently, stations along the baseline were reread in order to confirm the diurnal corrections. At approximately 35 minute intervals during the survey, the base station, which was located at $\mathrm{L} 0, \mathrm{BL} 0+00(0 \mathrm{~W}, 800 \mathrm{~N})$ was read to establish a base for diurnal corrections. The corrected values are listed in the Appendix and are plotted on Figure 3. The contoured corrected values are plotted on Figure 4.

Owing to buried metal pipes from previous mining operations in the areas of Line 0W, $70 \mathrm{~W}, 140 \mathrm{~W}$ from 600 N to 800 N were revealed by "spike" high values. Generally, the
cause of these anomalous readings was later determined in the field, and consequently, the reading(s) were removed from the plot.

## Conclusions and Recommendations

AnomalyA/B could be interpreted as an extension of the Alwin Mine ore zone, a series of lenticular pods of fault-controlled chalcopyrite/bornite/sericite mineralized ore, offset by Fault C.

Since the overburden in this area is probably in excess of 10 meters deep, the most direct method for testing the structure would be with three of four short diamond drill holes.

## Respectfully Submitted


R. Somerville P.Eng

RSGM Engineering Ltd.


## APPENDIX

## Programme Costs

Costs associated with a Magnetometer survey conducted during July 2000 on the Alwin Mine Property

1. WAGES
(a) R. Somerville, P.Eng.

Travel \& Field Time 8 days @ \$450/day $\$ 3600.00$
Data Entry \& Report Preparation 4 days @ \$450./day 1800.00
(b) Eric Saunders
Field Time 3 days @) \$175/day
Including payroll burden
(c) Chris Sebert

Map Preparation 2 days @ $\$ 350 /$ day $\quad 700.00$
Total Wages \$6697.60
2. TRAVEL \& ACCOMMODATION
(a) EEric Saunders Travel (Reimbursed) 80.00
(b) Company Vehicle 8 days @ \$50/day 400.00
(c) R. Somerville Transportation Costs 278.45

Total Wages $\quad \$ 758.45$
3. BOARD

As per Attached Listing 314.70
4. EQUIPMENT \& FIELD SUPPLIES
(a) Field supplies as per attached listing 232.21
(b) Magnetometer rental 6 days @ \$15/day 90.00
(c) Report Printing Costs $\quad \underline{31.62}$

Total Equipment \& field Supplies \$353.83
GRAND TOTAL $\$ 8124.58$

IN ACCOUNT WITH RSGM Engineering Ltd.
EXPENSE ACCOUNT
D ATE: 26/Jul/00
EAOO-53a
=======ニ===:====:
SUBMITTED BY: R.Somerville
EXPENSES RE: Alwin July 2000 Project for Claimstaker Res. Ltd.
Summary from Expense Account EAOO-53

| DATE | ITEM | AMOUNT | GST | TOTAL. | PROJECT |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | =:= |  |
| 20-Jul-00 | Lunch | \$5.39 | \$0.38 | \$5.77 | ALWIN | Board |
| 20-Jul-00 | Dinner NR | \$12.00 | \$0.84 | \$12.84 | ALWIN | Board |
| 21-Jul-00 | Lunch | \$15.49 | \$1.08 | \$16.57 | ALWIN | Board |
| 21-Jul-00 | Tip | \$2.24 | \$0.16 | \$2.40 | ALWIN | Board |
| 21-Jul-00 | Groceries | \$89.60 | \$3.39 | \$92.99 | ALWIN | Board |
| 21-Jul-00 | Dinner | \$13.40 | \$0.94 | \$14.34 | ALWIN | Board |
| 22-Jul-00 | Dinner | \$13.01 | \$0.98 | \$13.99 | ALWIN | Board |
| 22-Jul-00 | Breakfast | \$8.00 | \$0.56 | \$8.56 | ALWIN | Board |
| 22-Jul-00 | Tip | \$1.24 | \$0.10 | \$1.34 | ALWIN | Board |
| 23-Jul-00 | Breakfast NR | \$5.17 | \$0.36 | \$5.53 | ALWIN | Board |
| 24-Jul-00 | Dinner | \$18.69 | \$1.31 | \$20.00 | ALWIN | Board |
| 24-Jul-00 | Groceries | \$5.90 | \$0.12 | \$6.02 | ALWIN | Board |
| 24-Jul-00 | Breakfast | \$4.67 | \$0.33 | \$5.00 | ALWIN | Board |
| 25-Jul-00 | Breakfast 2 men | \$8.00 | \$0.57 | \$8.57 | ALWIN | Board |
| 25-Jul-00 | Tip | \$0.93 | \$0.07 | \$1.00 | ALWIN | Board |
| 25-Jul-00 | Dinner Crew | \$73.10 | \$5.12 | \$78.22 | ALWIN | Board |
| 25-Jul-00 | Tip | \$7.48 | \$0.52 | \$8.00 | ALWIN | Board |
| 26-Jul-00 | Breakfast | \$4.58 | \$0.32 | \$4.90 | ALWIN | Board |
| 26-Jul-00 | Lunch | \$8.10 | \$0.57 | \$8.67 | ALWIN | Board |
|  |  |  |  | \$314.70 | ALWIN |  |

21-Jul-00 Field Supplies
21-Jul-00 Field Supplies

21-Jul-00 Field Supplies
22-Jul-00 Field Supplies
23-Jul-00 Field Supplies
24-Jul-00 Field Supplies
24-Jul-00 Field Supplies

| $\$ 42.80$ | $\$ 2.80$ | $\$ 45.60$ ALWIN |
| ---: | ---: | ---: |
| $\$ 58.54$ | $\$ 3.83$ | $\$ 62.37$ ALWIN |
| $\$ 9.18$ | $\$ 0.60$ | $\$ 9.78$ ALWIN |
| $\$ 42.41$ | $\$ 2.77$ | $\$ 45.18$ ALWIN |
| $\$ 39.94$ | $\$ 2.10$ | $\$ 42.04$ ALWIN |
| $\$ 12.78$ | $\$ 0.84$ | $\$ 13.62$ ALWIN |
| $\$ 12.78$ | $\$ 0.84$ | $\$ 13.62$ ALWIN |
|  |  | $======$ |
|  |  | $\$ 232.21$ ALWIN |

Field Supplies Field Supplies Field Supplies Field Supplies Field Supplies Field Supplies Field Supplies

| $\$ 6.07$ | $\$ 0.43$ | $\$ 6.50$ ALWNN | Transportation |
| ---: | ---: | ---: | ---: |
| $\$ 52.57$ | $\$ 3.68$ | $\$ 56.25$ ALWNN | Transportation |
| $\$ 45.27$ | $\$ 3.16$ | $\$ 48.43$ ALWNN | Transportation |
| $\$ 10.00$ | $\$ 0.00$ | $\$ 10.00$ ALWNN | Transportation |
| $\$ 42.06$ | $\$ 2.94$ | $\$ 45.00$ ALWNN | Transportation |
| $\$ 44.68$ | $\$ 3.13$ | $\$ 47.81$ ALWNN | Transportation |
| $\$ 50.59$ | $\$ 3.47$ | $\$ 54.06$ ALWNN | Transportation |
| $\$ 10.00$ | $\$ 0.70$ | $\$ 10.70$ ALWNN | Transportation |
|  |  | $====:=a$ |  |
|  |  | $\$ 278.75$ |  |

## Statement of Qualifications

I, Richard D. Somerville, residing at 1299 Nose Point Rd., Salt Spring Island, British Columbia, V8K 1S5 certify that:

1. I am a practicing Consulting Engineer with offices at 1299 Nose Point Rd., Salt Spring Island, British Columbia, V8K 1S5.
2. I am President of R. Somerville Geological and Mining Engineering Ltd.
3. I am a Registered Professional Engineer of the provinces of Ontario and British Columbia.
4. I am a Fellow of the Geological Association of Canada and a member of the Canadian Institute of Mining \& Metallurgy.
5. I am a graduate of Queen's University at Kingston, Ontario, having received a B.Sc. (hon) degree majoring in Geology and a B.A. degree majoring in physics and mathematics.
6. This survey was conducted by me personally, and I believe that the work was conducted in a proper and professional manner.

R.D. Somerville, P.Eng. Salt Spring Island, B.C.
December, 2000


## Corrected Magnetometer Readings

ALWIN SURVEY DATA JULY 2000 SURVEY

| Northing | Westing | Corrected |
| :--- | :--- | :--- |
| LOCATION | LOCATION | READING |

$================:=============156,183$

| Northing LOCATION | Westing LOCATION | Corrected READING |
| :---: | :---: | :---: |
| 680 | 140 | 56,201 |
| 700 | 140 | 56,112 |
| 720 | 140 | 56,114 |
| 740 | 140 | 56,195 |
| 760 | 140 | 56,106 |
| 750 | 140 | 56,180 |
| 770 | 140 | 56,241 |
| 780 | 140 | 56,259 |
| 790 | 140 | 56,181 |
| 800 | 130 | 56,153 |
| 800 | 120 | 56,191 |
| 800 | 110 | 56,148 |
| 800 | 100 | 56,039 |
| 800 | 90 | 56,109 |
| 800 | 80 | 56,171 |
| 820 | 70 | 56,143 |
| 840 | 70 | 56,199 |
| 860 | 70 | 56,207 |
| 880 | 70 | 56,180 |
| 900 | 70 | 56,249 |
| 920 | 70 | 56,109 |
| 910 | 70 | 56,208 |
| 940 | 70 | 56,122 |
| 960 | 70 | 56,140 |
| 980 | 70 | 56,123 |
| 1000 | 70 | 56,002 |
| 990 | 70 | 56,054 |
| 1000 | 140 | 56,101 |
| 990 | 140 | 56,195 |
| 980 | 140 | 56,223 |
| 960 | 140 | 56,185 |
| 940 | 140 | 56,185 |
| 920 | 140 | 56,228 |
| 900 | 140 | 56,245 |
| 880 | 140 | 56,333 |
| 890 | 140 | 56,283 |
| 870 | 140 | 56,290 |
| 860 | 140 | 56,441 |
| 850 | 140 | 56,306 |
| 840 | 140 | 56,208 |
| 830 | - 140 | 56,111 |
| 820 | 140 | 56,196 |
| 810 | 140 | 56,179 |
| 800 | 140 | 56,108 |
| 600 | 700 | 56,176 |
| 620 | 700 | 56,105 |

ALWIN SURVEY DATA JULY 2000 SURVEY

| Northing <br> LOCATION | Westing <br> LOCATION | Corrected READING |
| :---: | :---: | :---: |
| 630 | 700 | 56,189 |
| 640 | 700 | 56,237 |
| 650 | 700 | 56,212 |
| 660 | 700 | 57,450 |
| 630 | 700 | 56,609 |
| 680 | 700 | 56,103 |
| 690 | 700 | 56,322 |
| 700 | 700 | 56,327 |
| 710 | 700 | 56,917 |
| 720 | 700 | 56,163 |
| 740 | 700 | 56,246 |
| 760 | 700 | 56,218 |
| 780 | 700 | 56,231 |
| 800 | 700 | 56,258 |
| 820 | 700 | 56,208 |
| 840 | 700 | 56,237 |
| 860 | 700 | 56,288 |
| 880 | 700 | 56,300 |
| 900 | 700 | 56,295 |
| 920 | 700 | 56,251 |
| 940 | 700 | 56,244 |
| 960 | 700 | 56,226 |
| 980 | 700 | 56,161 |
| 1000 | 700 | 56,187 |
| 1000 | 630 | 56,188 |
| 980 | 630 | 56,200 |
| 960 | 630 | 56,246 |
| 940 | 630 | 56,208 |
| 920 | 630 | 56,230 |
| 900 | 630 | 56,227 |
| 880 | 630 | 56,244 |
| 860 | 630 | 56,251 |
| 840 | 630 | 56,212 |
| 820 | 630 | 56,240 |
| 800 | 630 | 56,225 |
| 790 | 630 | 56,124 |
| 780 | 630 | 56,544 |
| 770 | 630 | 56,155 |
| 760 | 630 | 56,668 |
| 750 | 630 | 56,233 |
| 740 | 630 | 56,175 |
| 720 | 630 | 56,164 |
| 700 | 630 | 56,175 |
| 687 | 630 | 56,249 |
| 700 | 560 | 56,413 |
| 710 | 560 | 56,304 |


| Northing LOCATION | Westing <br> LOCATION | Corrected READING |
| :---: | :---: | :---: |
|  |  |  |
| 720 | 560 | 56,277 |
| 740 | 560 | 56,274 |
| 760 | 560 | 56,186 |
| 780 | 560 | 56,150 |
| 810 | 560 | 56,072 |
| 820 | 560 | 56,138 |
| 840 | 560 | 56,140 |
| 860 | 560 | 56,196 |
| 880 | 560 | 56,254 |
| 900 | 560 | 56,318 |
| 920 | 560 | 56,349 |
| 940 | 560 | 56,345 |
| 960 | 560 | 56,305 |
| 970 | 560 | 56,340 |
| 980 | 560 | 56,383 |
| 1000 | 560 | 56,421 |
| 1000 | 490 | 56,327 |
| 980 | 490 | 56,270 |
| 960 | 490 | 56,245 |
| 940 | 490 | 56,229 |
| 920 | 490 | 56,191 |
| 900 | 490 | 56,193 |
| 880 | 490 | 56,161 |
| 860 | 490 | 56,180 |
| 840 | 490 | 56,193 |
| 820 | 490 | 56,194 |
| 800 | 490 | 56,109 |
| 790 | 490 | 56,217 |
| 780 | 490 | 56,312 |
| 770 | 490 | 56,196 |
| 760 | 490 | 56,287 |
| 750 | 490 | 56,318 |
| 740 | 490 | 56,319 |
| 725 | 490 | 56,350 |
| 760 | 420 | 56,304 |
| 780 | - 420 | 56,251 |
| 800 | 420 | 56,133 |
| 810 | 420 | 56,125 |
| 820 | 420 | 56,070 |
| 840 | 420 | 56,202 |
| 860 | - 420 | 56,109 |
| 880 | 420 | 56,106 |
| 900 | 420 | 56,142 |
| 920 | 420 | 56,158 |
| 940 | 420 | 56,215 |
| 960 | 420 | 56,247 |

ALWIN SURVEY DATA JULY 2000 SURVEY

| Northing <br> LOCATION | Westing <br> location | Corrected READING |
| :---: | :---: | :---: |
| 980 | 420 | 56,297 |
| 1000 | 420 | 56,244 |
| 1000 | 350 | 56,171 |
| 990 | 350 | 56,128 |
| 980 | 350 | 56,096 |
| 960 | 350 | 56,034 |
| 940 | 350 | 56,111 |
| 920 | 350 | 56,198 |
| 900 | 350 | 56,203 |
| 880 | 350 | 56,115 |
| 870 | 350 | 56,150 |
| 860 | 350 | 56,012 |
| 850 | 350 | 55,996 |
| 840 | 350 | 55,989 |
| 830 | 350 | 56,022 |
| 820 | 350 | 55,917 |
| 800 | 350 | 56,091 |
| 780 | 350 | 56,051 |
| 767 | 350 | 56,155 |
| 600 | 210 | 55,421 |
| 620 | 210 | 56,027 |
| 640 | 210 | 55,974 |
| 660 | 210 | 56,123 |
| 680 | 210 | 56,254 |
| 690 | 210 | 56,303 |
| 700 | 210 | 56,313 |
| 710 | 210 | 56,029 |
| 720 | 210 | 56,010 |
| 730 | 210 | 56,131 |
| 740 | 210 | 56,153 |
| 760 | 210 | 56,216 |
| 780 | 210 | 56,222 |
| 800 | 210 | 56,309 |
| 820 | 210 | 56,234 |
| 840 | 210 | 56,219 |
| 850 | 210 | 56,353 |
| 860 | 210 | 56,335 |
| 880 | 210 | 56,413 |
| 890 | 210 | 56,395 |
| 900 | 210 | 56,320 |
| 910 | 210 | 56,252 |
| 920 | 210 | 56,213 |
| 930 | 210 | 56,280 |
| 940 | 210 | 56,404 |
| 950 | 210 | 56,499 |
| 960 | 210 | 56,502 |

ALWIN SURVEY DATA JULY 2000 SURVEY

| Northing <br> LOCATION <br> Nesting <br> LOCATION | Corrected <br> READING |  |
| :--- | :--- | :--- |
| 980 | 210 | 56,465 |
| 1000 | 210 | 56,447 |
| 1000 | 2,80 | 56,306 |
| 980 | 280 | 56,275 |
| 970 | 280 | 56,168 |
| 960 | 280 | 56,141 |
| 940 | 280 | 56,110 |
| 920 | 280 | 56,028 |
| 910 | 280 | 56,159 |
| 900 | 280 | 56,213 |
| 890 | 280 | 56,192 |
| 880 | 280 | 56,122 |
| 860 | 280 | 56,103 |
| 840 | 280 | 56,968 |
| 820 | 280 | 56,021 |
| 800 | 280 | 55,697 |
| 780 | 280 | 55,922 |
| 780 | 280 | 55,894 |
| 760 | 280 | 55,918 |
| 750 | 280 | 55,719 |
| 740 | 280 | 55,774 |
| 800 | 160 | 56,156 |
| 800 | 180 | 56,190 |
| 800 | 200 | 56,211 |
| 800 | 220 | 56,407 |
| 800 | 240 | 56,354 |
| 800 | 250 | 56,142 |
| 800 | 260 | 56,134 |
| 800 | 270 | 56,009 |
| 800 | 300 | 55,923 |
| 800 | 320 | 55,795 |
| 800 | 330 | 55,918 |
| 800 | 340 | 56,053 |
| 800 | 360 | 56,013 |
| 800 | 380 | 56,103 |
| 800 | 400 | 55,988 |
| 800 | 440 | 56,207 |
| 800 | 460 | 56,220 |
| 800 | 480 | 56,095 |
| 800 | 500 | 56,134 |
| 800 | 520 | 56,185 |
| 800 | 540 | 56,119 |
| 800 | 580 | 56,123 |
| 800 | 600 | 56,137 |
| 800 | 620 | 56,203 |
| 800 | 640 | 56,230 |
|  |  |  |

## ALWIN SURVEY DATA JULY 2000 SURVEY

| Northing <br> LOCATION | Westing <br> LOCATION | Corrected <br> READING |
| :--- | :--- | :--- |
| $==================:==============$ |  |  |
| 800 | 660 | 56,253 |
| 800 | 680 | 56,280 |

## References

Exploration in B.C., 1980.
MINFILE NO. 0921SW010. Alwin, Alwin Mine, Chataway, IOU, APEX, EZZ.
Geological Survey Branch, Mineral Resources Division, MEMPR.
National Mineral Inventory: Report No. 09216 Cu. O.K (Chataway), Mineral Development Sector, Dept. of Energy, Mines and Resources, Ottawa.

Sebert, C.F.B., and Somerville, R.D., 1993. An Interim Report on Exploratory Trenching on the Alwin Copper Property, Highland Valley Area, B.C.

Somerville, RI., Perry, B.J., Beurskens, H.A., 1995. A Report on Underground Development at the Alwin Copper Mine, Highland Valley Area, British Columbia.

Westervelt, R.D., 1993. A Preliminary Review Report on the Alwin Copper Property, Highland Valley Area, B.C. (for Claimstaker Resources Ltd.).

## SUMMARY OF MINERAL TITLES



The mineral tenure information at this site was last updated on the morning of December 06, 2000.

## Title Search by Owner

Name: Claimstaker Resources Ltd.
Tenure Type: All
Standing: Good

## Tenures held by CLAIMSTAKER RESOURCES LTD.:

There were 21 results.

| Tenure <br> Number | Claim Name | Owner Number | Map <br> Number | Work Recorded To | Status | Mining Division | Units | Tag <br> Number |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\underline{216669}$ | HUB \#1 | 104975 100\% | 092106E | 20010212 | Good Standing 20010212 | 8 Kamloops |  | 00330 |
| $\underline{216670}$ | HUB \#2 | 104975 100\% | 092106E | 20010212 | Good Standing 20010212 | 8 Kamloops |  | 331 |
| $\underline{220375}$ | CALL \#1 | 104975 100\% | 092106E | 20010212 | Good Standing 20010212 | 8 Kamloops |  | 372601 |
| 220376 | CALL \#2 | 104975 100\% | 092106E | 20010212 | Good Standing 20010212 | 8 Kamloops |  | 372602. |
| 220377 | CALL \#3 | 104975 100\% | 092I06E | 20010212 | Good Standing 20010212 | 8 Kamloops |  | 372603 |
| 220378 | CALL \#4 | 104975 100\% | 092106E | 20010212 | $\begin{gathered} \hline \text { Good } \\ \text { Standing } \\ 20010212 \end{gathered}$ | 8 Kamloops |  | 372604 |
| 220393 | EZZ \#13 | 104975 100\% | 092106E | 20010212 | $\begin{gathered} \text { Good } \\ \text { Standing } \\ 20010212 \end{gathered}$ | 8 Kamloops |  | 372687 |
| 220394 | EZZ \#14 | 104975 100\% | 092106E | 20010212 | $\begin{gathered} \text { Good } \\ \text { Standing } \\ 20010212 \end{gathered}$ | 8 Kamloops |  | 372688 |


| $\underline{220408}$ | EZZ \#21 | 104975 100\% | 092I06E | 20010212 | Good Standing 20010212 | 8 Kamloops | 1 | 372658 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 220409 | EZZ \#22 | 104975 100\% | 092I06E | 20010212 | Good Standing 20010212 | 8 Kamloops | 1 | 372659 |
| $\underline{220426}$ | PAL \#1 | 104975 100\% | 092106E | 20010212 | Good Standing 20010212 | 8 Kamloops | 1 | 372664 |
| 220427 | PAL \#1 FR | 104975 100\% | 092I06E | 20010212 | Good Standing 20010212 | 8 Kamloops | 1 | 372665 |
| $\underline{220428}$ | PAL \#2 FR. | $104975 \quad 100 \%$ | 092106E | 20010212 | Good Standing 20010212 | 8 Kamloops | 1 | 372666 |
| $\underline{220429}$ | PAL \#3 FR. | 104975 100\% | 092106E | 20010212 | Good Standing 20010212 | 8 Kamloops | 1 | 372667 |
| $\underline{220724}$ | OK 5 | 104975 100\% | 092106E | 20010212 | Good Standing 20010212 | 8 Kamloops | 1 | 562201 |
| $\underline{220725}$ | OK 6 | 104975 100\% | 092106E | 20010212 | Good Standing 20010212 | 8 Kamloops | 1 | 562202 |
| $\underline{220726}$ | OK 7 | $\underline{104975}$ 100\% | 092I06E | 20010212 | Good Standing 20010212 | 8 Kamloops | 1 | 562203 |
| $\underline{220727}$ | OK 8 | 104975 100\% | 092106E | 20010212 | Good <br> Standing <br> 20010212 | 8 Kamloops | 1 | 562204 |
| $\underline{220735}$ | OK \#9 FR. | $\underline{104975}$ 100\% | 092106E | 20010212 | Good <br> Standing <br> 20010212 | 8 Kamloops | 1 | 562205 |
| $\underline{220736}$ | OK \#10 | 104975 100\% | 092106E | 20010212 | Good Standing 20010212 | 8 Kamloops | 1 | 562206 |
| $\underline{220937}$ | ALWIN \#3 FR. | 104975 100\% | 092I06E | 20010212 | Good Standing 20010212 | 8 Kamloops | 1 | 882189 |

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## Shortcuts: [ Main Menu ] [ Free Miner ] [ Tenure Number ] [ Owner ] [ Locator ] [ Map ] [ Claim Name ] [ Tag Number ] [Lot]

Last date page updated November 12, 1999.

