# Report on 2012 Diamond Drilling 

| On the <br> $\mathbf{9 7} \mathbf{B e v}$ | BC Geological Survey <br> Assessment Report <br> 33688 |
| :--- | :---: |
| Mineral claim |  |
| Gold hill Group |  |

Kootenay Boundary Region - British Columbia, Canada
NTS 82E/3E

BCGS Map Sheet 082E015
Latitude $49^{\circ} 08^{\prime} 09^{\prime \prime} \mathrm{N} \quad$ Longitude $119^{\circ} 10^{\prime} 59 " \mathrm{~W}$

97 Bev Tenure No. 359678

Owner: 3 Spurs Resources Ltd
Site 15, Comp. 4, RR1
Cawston, British Columbia

## UEDLOGICAL SURVEY BRANCH ASSESSNOM 5 I 2 腚ZPORT

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\begin{aligned}
& \text { TYPE O REPORT (type of surveys): } \\
& \text { Technical Report (DRILLIN6) }
\end{aligned}
$$

authors): = $\qquad$
SW. CANNON C. WHITLEY
NOTICE OF WORK PERMIT NUMBER(S)DATE(S): MX-5-503 MINE 1630046 MAY $14 / 2012$ YEAR OF WORK: 2012 STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)DATEIS): 5421839 (DEC 13/2012)
5432530 (FEB 19 2013)

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& 5432530 \text { (FEB } 192013 \text { ) }) \text { (FATEMENT OF WORK-CASHPAYMTS EVENT NUMB }
\end{aligned}
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PROPERTY NAME: 97 BEL
CLAIM NAME(S) (on which the work was done): $97 B E V$ Ten \# 359678

COMMOITIES SOUGHT: TALC/SOAPSTONE, COPPER, NICKEL, GOLD, SILVER
MINERAL INVENTORY MISFILE NUMBERS), IF KNOWN: $\qquad$
MINING DIVISION: Kootenay Bound pry (Grenwoci)

${ }^{\text {1) }}$ (1) 3 SpurS): Spurs Resources Ltd. ${ }^{2)}$ $\qquad$
FaC. $251121 \quad 014631$
mailing address:
822 RICKER Rd. CAWSTON B.C. BOX 197 OK. FALLS BC.

$$
\text { VOL. } 102
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OPERATOR (S) [who paid for the works):

1) DWIGHT HERBISON $\qquad$ 2) CHRIS WHATLEY
$\qquad$
$\qquad$
mailing address:
822 RICKER Rd. CAWSTON
BOX 197 OKANAGAN FALLS.
BC. VOX-1CR BC. VOH-IRO
PROPERTV GEOLOGY KEEWORDS (litholology, age, stratigraphy, structure, alteration, mineralization, size and attitude):
STEATITE (TALC) BODY DEPOSIT. AND ASSOCIATED MINERALS CORER, NICKEL, GOLD, SILVER, ER. SIZE IS GREATER THAN $250 \mathrm{~m} \times 500 \mathrm{~m}$. SIZE/ DEEPER THAN 100 m /METAMORPHOSED SEDIMENTARY AND VOLCANIC PALAEOZOIC ROWS WIT BODES OF SERPENTINE, ULTRA
BASIC ROCK. 30371 (WILKINSON OB) 31225 (WILKINSON O9) 31955 (WHATLE 42010 ) $25789,26133,13768$.


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## Introduction

## Summary

This report has been prepared for submission to the British Columbia Ministry of Energy and Mines as an Assessment Report, in support of a Statement of Work filed for work performed on the 97 Bev (claim tenure \# 359678) in the Kootenay Boundary Regional Division. The costs being claimed for assessment credit relate to a diamond-drilling program conducted in June 2012 on the 97 Bev Claim, by 3 Spurs Resources Ltd. Who is the owner of record for the 97 Bev Claim. The work performed in the 2012 season consists of 122.5 meters of NQ diamond drilling, in one inclined hole. The drilling was conducted under work permit MX-5-503; Operators were D.W. Herbison ( Cawston B.C. ), C.D. Whatley ( Okanagan Falls B.C. ), and K. Landa ( Okanagan Falls B.C. ).

## Location, access

The 97 Bev Claim is located from 2 to 3 km north from the Cariboo Amelia vein system at Camp McKinney, (figure 1). Rock Creek runs southerly through the center of the claim. Elevation range from 1215 m . to 1500 meters. The claim is forested with coniferous trees and has been partly logged. The claim is about 27 km East of Oliver B.C., and 15 km North of the U.S. border with Briiish Columbia. The 97 Bev claim is centered at $49^{\circ} 08^{\prime} 21^{\prime \prime}$ north latitude, and $119^{\circ} 10^{\prime} 26^{\prime \prime}$ west longitude.

The property can be accessed from Oliver B.C. via Camp McKinney Road, a good two-lane gravel road (all season) which provides access for logging, local residents, 2 power utilities and the Mt. Baldy ski hill. This road is joined to the Mt. Baldy Road 4 km from the ski hill. 18 km to the south east this road links to Highway 3 at the Rock Creek Canyon Bridge. History

Camp McKinney is a well-known old gold mining camp. As early as 1860 Placer gold was discovered in Rock Creek and it tributaries. Lode gold was discovered on upper Jolly Creek in 1884, and the Cariboo Vein three years later. Successful underground gold-silver mining operations were conducted intermittently on the vein systen between 1894 and 1962.

Although some claims were located in the 97 Bev area during the early search for gold in the Camp area, little of lasting interest was found. Some trenching was dene, with little but passing comment in Ministry reports. An airborne VLF- electromagnetic and magnetometer survey was conducted over the 97 Bev area in 1985 (Assessment Report \# 13768), Indicating



anomalous responses, no record of any ground follow-up have been located. Field programs were conducted in 1998 and 1999 (Assessment Report \#25789 and \#26133).

A deposit of massive Talc (steatite / soapstone) occurs on the claim. Between 2003 and 2005, a small tounage of soapstone was removed, to be used for carving. In 2004, a diamond drill hole, Talc \#1, was drilled through The western (upper) talc body. From the surface this hole intersected 70 meters of talc. In 2007 drilling was conducted on the eastern (lower) talc body (Assessment Report \#29300). Follow-up drilling bas found the talc body as deep as 120 m . @ $55^{\circ}$ incline.

## Economic Assessment

The 97 Bev is of economic interest due to the large bodies of steatite (soapstone) and associated potential metallic ores.

## Geological setting

## Regional and Local Geology

Camp McKinney geology is confined in a small (approx. 14 km by 5 km ) Window of metamorphosed sedimentary and volcanic Palaeozoic rocks of the Anarchist Group, and is bound to the northeast, north, west and south by extensive Jurassic intrusive, and to the east by Eocene volcanic. A minor component of the metamorphosed Palaeozoic rocks are bodies of serpentines ultra basic rocks.

Gold occurs in quartz veins, associated predominantly with iron pyrite, spalerite, galena, chalcopyrite, pyrrhotite and as free gold. The veins occur within argillic quartzites and andesitic volcanics.

In the Cariboo-Amelia Mine the vein was near-vertical fissure vein oriented nearly east-west, perpendicular to the strike of the wall rock. Good ore shoots tended to occur where the vein traversed the volcanic rocks.

## Property mineralization

The 97 Bev claim hosts a relatively large body of talc (steatite), which is of economic interest. Talc of carving quality is also present and test for talc purity are on-going. Metamorphic rocks to the east contact of the talc have massive sulphide layers (horizons?) and show potentlally significant metal values, particularly copper. Tests show Nickel values of up-to 1800 ppm occur in the talc.

## Claim information

The 97 Bev Claim is a 450 hectare Legacy (Four Post Claim) Mineral Claim. The claim expiry date shown below is the current as of the writing of this report and is not the new requested expiry date, pending acceptance of this Report.

| Claim name: | 97 Bev |
| :---: | :---: |
| Tenure number: | 359678 |
| Type: | 4-post |
| Area (Ha.): | 450 |
| Expiry Date: | Oct 022014 |
| Registered Owner: | 3 Spurs Resources Ltd |
|  | Site 15, Comp. 4 R.R. 1 Cawston B.C. |

## Technical data and interpretation

Purpose of the work
The work is part of a project (permit \# MX 5-503) to drill a grid layout of up to 32 D.D. holes, designed to define the size, depth, and quality of the western (upper) talc body and associated contacts with adjoining rock types. Fieldwork Done

Fieldwork consisted of one surface NQ diamond drill hole, Talc \# 12. Work drilling Talc \# 12 started May 29 and was completed June 18 2012. A total of 8 work days were needed to conduct this work. The drill hole was a total of 122.5 meters long ( 402 feet), inclined at 55 degrees, oriented at an azimuth of $212^{\circ}$. No dip-tests were performed.

The diamond drill core was logged, and is stored on the Whatley property, $515014^{\text {th }}$ Avenue, Okanagan Falls B.C.
Analysis
The operators have carried out no sampling or analyses on the drill core from Talc \# 3 .

## Results

The drill hole was located on the access road and oriented $\left(212^{\circ}\right)$ to intersect the north boundary/contact. A total of 100.25 meters, continuous were intersected (excepting minor intrusive dykes), down the hole from the surface, indicating a known maximum depth, vertical from surface of 84 meters of steatite (talc) body. The wall of the contact is of the same

Anarchist metasedimentary rocks found in Talc \# 3(drilled 2007 see: A.R. 29300) on the eastern (lower) talc body.

## Interpretation and conclusions

Talc \# 12 intersected a large steatite/talc body for 100 m , and talc \# 1 (2007) intersected the same body in the opposite direction for 67 m . (No report was done on Talc \# 1 drill hole). The surface exposure of the talc body is (east to west) approximately 500 m in length and 120 m width. The large volume of talc present on the 97 Bev claim validates economic interest. Further drilling of the grid layout will refine volumes so accurate tonnage estimates can be made. Testing on the Talc for quality and grade Are in process and is ongoing.(no talc samples from hole \#12 included in testing at time of writing)

Much further work is justified to define and test this Talc body and surrounding zones for economic potential.

Respectfully submitted,

Chi Whet to 3 Spurs Resources LTd.

## References

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Wilkinson, W.J. (2006): Diamond Drilling Report on the Waterloo Claim, Gold Hill Group, Assessment Report Number 28526
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## Drill Hole Locations <br> 97-Bev - 359678 Tenure Map

Legend
Drill Holes
359678
$\square$ Paved Road
$==$ Unpaved Road
$\ldots$ Trail
$\square$ Railway
$\square$ Forest Service Roads
$\square$ Road Permits
$\square$ Mineral Tenures
$\square$ First Nation Reserves
$\square$ Private
$\square$ National and Provincial Parks
$\square$ Produced by
Geomatics Division Kootenay Boundary Region


Projection: Nad 83 Zone 11 UTM




## Appendix 1

## Statement of Expenditures

## 97 Bev Claim

## November 2012

Diamond Drilling one (1) N.Q. drill hole 122.53 m (402')Drilled May 30, June 1,2,3,4,17,18,19; For a Total of7 days drilling. Drill cost includes - Drill, Labour, Fuel,Bits, Repairs etc.
122.53m/402’@\$45.00/per foot ..... $\$ 18,090 .{ }^{\circ}$
Three (3) $4 \times 4$ pickup trucks @ $\$ 150 .{ }^{\circ \circ}$ per day-Each (8) ..... $\$ 3,600 .^{\circ o}$
One (1) John Deer 450 Bulldozer @ $\$ 200 .{ }^{\circ}$ per day (8) ..... $\$ 1,600 .^{\circ \circ}$
One (1) Motor home, 8 days @ $\$ 150 .{ }^{00}$ per day (8) ..... $\$ 1,2000^{\circ 0}$
Logging core, prepare report ..... $\$ 00^{\circ}$
Drill core stored at $515014^{\text {th }}$ Ave. Hyw. 97 Okanagan Falls B.C. ..... $\$ 00^{\circ}$
Total of Expenditures ..... $\$ 24,490 .^{\circ}$
Statement of cost by;
C. D. Whatley - On behalf of " 3 Spurs Resources Ltd."
Client Number: 251121
3 Spurs Resources Ltd. 822 Ricker Rd
Cawston B.C. V0X 1C2
Or:
Box 197 Okanagan Falls
B.C. V0H 1R0

## Appendix 2

## DIAMOND DRILL LOG

## Hole \# 12

## Drilled May - June 2012

## On

## 97 Bev Claim

Tenure No. 359678

Owned by: 3 Spurs Resources Ltd

Camp McKinney, British Columbia


| FREOM | T0 | FROM | 70 | DESCRIPTION |
| :---: | :---: | :---: | :---: | :---: |
| 0 | 3.65 | 0 | 12 | casing / rubble |
| 3.65 | 5.48 | 12 | 18 | broken and ground - missing core |
| 5.48 | 12.1 | 18 | 40 | Talc: Steatite)- highly disrupted and recemented; coarse imeqular brecciation and banding |
|  |  |  |  | ( swirls with altitudes from 0 to 90 degrees to the core axis); moderate to strong magnetic; |
|  |  |  |  | Pyrite ( $\sim 1 \%$ ) occurs disseminated throughout all the Talc as small subhedral to euhendral crystals. |
|  |  |  |  | Magnetite: ( $1 \%$ ) Very fine grain-black crystals in small casters up-10 0.5 mm by 0.5 mm |
|  |  |  |  | disseminated throughout all the Talc; colour: Light-grey to grey to grey-blue-with white to light grey |
|  |  |  |  | banding and swirs. |
| 12.1 | 12.25 | 40 | 40.2 | Quartz-(vein) white, with areen stainning (chlorite?) sharp. broken contacts 80 degrees to core axis |
|  |  |  |  | barren; no magnelios. |
| 12.25 | 12.98 | 40.2 | 42.6 | Talc- same as at 5.48 m (start) |
| 12.98 | 13.01 | 42.6 | 42.7 | Quartz-(vein) white; barren, contacts at 45 degrees to the core axis. |
| 13.01 | 22.43 | 42.7 | 73.6 | Talc- same as at 5.48 m . |
| $22.4 \overline{3}$ | 22.44 | 73.6 | 73.7 | Quartz-(vein) white, barren, contacts At 45 degrees to the cere axis. |
| 22.44 | 25.14 | 73.7 | 82.5 | Taic- same as at 5.48 m . |
| 25.14 | 26.21 | 82.5 | 86 | Talc- fault / crushed zone upper contad sharp, clean; 20 degrees to core axis. Lower contact- |
|  |  |  |  | obliterated, pulverized for 15 cm then crushed (near schistose) |
| 28.21 | 27.04 | 86 | 91.2 | Talc-same as at 5.48 m , increase of black masnetite masses- $-2 \%$ |
| 27.04 | 27.11 | 91.2 | 81.3 | Quartz-white, Pyrite (up-to $2 \mathrm{~mm} \times 4 \mathrm{~mm}$ ) blebs near contacts up-to $5 \%$. Galena- litile near upper con. |
|  |  |  |  | contacts 85. degrees to the cora axis. |
| 27.11 | 31.08 | 91.3 | 102 | Talc-same as at 5.48 m . |
| 31.08 | 31.45 | 102 | 103.2 | Taic- apple green, translucent, broken (gchistose) jitile pyrite |
| 31.45 | 33.22 | 103.2 | 109 | Talc- same as at 5.48 mm |
| 33.22 | 33.31 | 109 | 109.3 | Quarz-(vein) white, pyrite ( $2 \%$ ) contacts 45 degrees to the core axis |
| 33.31 | 48 | 109.3 | 157.5 | Talc: same as at 5.48 m . heavily crushed and recemented. |
| 48 | 48.4 | 157.5 | 158.8 | Talc - schistose; semms of green ardi dark green (chlorite); Pyrite blebs (up-to 4 mm .) |
|  |  |  |  | . watk magnetics, crushed (8chistose) |
| 48.4 | 53.79 | 158.6 | 476.5 | Talc-same as at 5.48 m . |
| 53.79 | 53.95 | 176.5 | 177 | Altered Greenstone ( Talcose); Pyrite banding (3am by 0.5 cm ) and dissemirated pyrite. up to 10\% |

## DIAMOND DRILL LOG

## TALC \# 12

| METERS |  | FEET |  |  |
| :---: | :---: | :---: | :---: | :---: |
| FROM | то | FROM | T0 | DEECRIPTION |
| 53.79 | 53.95 | 176.5 | 177 cont. from page -1. (Altered Green stone) Pyrite banding aligned with the lower contact, 45 degrees to |  |
|  |  |  |  |  |
| 53.95 | 56.38 | 177 |  |  |
| 56.38 | 57.6 | 185 | 189 | Diorite dyke-fine grain, middie gray rock, hard. about $3 \%$ disseminated pyrite. upper contact 90 degrees |
|  |  |  |  | ower contact is 45 degrees to the core axis. |
| 57.6 | 60.9 | 188 | 199.8 | Talc. same as at 5.48 m . |
| 60.9 | 61.2 | 199.8 | 200.8 | Diorite dyke-same as at 56.38 . Upper contact 20 degrees to chre axis with tower contact obliterated. |
| 61.26 | 64.31 | 200.8 | 211 | Traic - same as 5.48 m . grinding / lost core ( 30 cm ) |
| 84.31 | 64.32 | 211 | 211.03 | Quartz (vein)- 1 cm-white. 80 degrees to core axis. |
| 84.32 | 66.44 | 211.03 | 218 | Talc-same as at 5.48 m . |
| 86.44 | 68.9 | 218 | 219.5 | Highly altered greenistode, Sericite. Täcose greanstone, at contacts, trending into massive Sericite, |
|  |  |  |  | 3 cm from upper and tower contacts Contacts 80 degrees to core axis. Sericite is very fine, massive |
|  |  |  |  | colour-brown to reddish brown. |
| 66.9 | 67.36 | 249.5 | 221 | Talc- same as at 5.48 m . |
| 67.36 | 67.68 | 221 | 222 | Altered greenstone, Cericite. Same as at 66.4 dm . |
| 67.66 | 68.27 | 222 | 224 | Talc-same as at 5.48 m . |
| 68.27 | 68.28 | 224 | 224.03 | Quart (vein) White, 10 degrees to the core axis. |
| 68.28 | 68.19 | 224.03 | 227 | Talc- same as at 5.48 m |
| 69.19 | 69.29 | 227 | 227.1 | Quartz (vein) white, barren. 30 degrees to Dore axis |
| 69.29 | 75.59 | 227 | 248 | Talc- same as at 5.48 m . Quaitz stringers of less than 1 cm located at- 229 ( $30^{\circ}$ to c. a.) |
|  |  |  |  | $239-\left(30^{\circ}\right.$ to c.a.) $-240-\left(30^{\circ}\right.$ to c.a. $)$ |
| 75.59 | 75.74 | 248 | 248.5 | Altered greenstone, ( talcose) imegular contacts |
| 75.74 | 76.81 | 248.5 | 252 | Taic - same as at 5.48 m . |
| 76.81 | 78.02 | 252 | 256 | Metasediments rock (talcose) light-green talight-gray disseminated Sericite, - $1 \%$ pyrite, |
|  |  |  |  | High magnetics - irregular contacts |
| 78,02 | 80.46 | 256 | 264 | 4 Taic - same as at 5.48 m |
| 80.46 | 80.71 | 264 | 264.8 |  |
| 80.71 | 84.73 | 264.8 |  | 78. Talc - same as at 5.48 m . |
| 84.73 | 84.83 | 27.8 | 278.2 | Quartz (vein)- White, barrert, $45^{\circ}$ to core axis. |





## Appendix 3:Statement of Qualifications

## I, Steven W Cannon of Rock Creek British Columbia, Canada do hereby certify as follows:

1. I am a independent exploration Geoscientist residing at 1555 Cemetery Rd Rock Creek B.C
2. I have a B.Sc in Physic (1993) and a B.Sc in Earth Science (2006) from Simon Fraser University.
3. I have worked in the Mineral exploration industry since 1999.
4. I hold no interest in the 97 Bev claims or Gold Hill group.
5. I attended the site during drilling and inspected the core on site.
6. I have reviewed the Report on 2012 Diamond Drilling the 97 Bev .

Date: Feb 16, 2013

