

### WHALES PROPERTY SUMMARY

The Whales property covers bands of Brooklyn Limestone containing localized garnet skarn and calc-silicate alteration. Samples from the Penn skarn zone returned nine meters of 1,246 ppm copper, greater than 10,000 ppm zinc and significant lead, silver and gold values.

Other mineralized zones on the property include veins of massive sulfide ~~and~~ hosted by Knob Hill sediments and up to one meter wide with assays of chip samples returning up to 2,280 ppb gold. Gold bearing quartz veins of the Mabel-Jenny (tyee) showing are hosted by shear zones within granodiorite and contain up to 9.2 grams gold per ton.

Located on the north end of the Toroda Creek Graben and having similar geology to that of the Phoenix camp, makes this an excellent area for exploration. Other mineral occurrences in the local area are Copper camp (skarn), Tam O'Shanter, (epithermal mineralization associated with Tertiary faults), and Rainbow (copper-gold mineralization hosted by listwanite-serpentine)

#### Location, Access, and Claims

The Whales property is situated about 11 km northwest of Midway, B.C., on NTS 82E/2, in the Greenwood Mining Div.

There is excellent access to the property by way of Ingram creek forestry road three km. west of Midway, B. C., or by the Wallace creek forestry road off of highway #3, five km. east of Greenwood, B.C.

The property consists of two four post claims ( a total of 28 units ). The claims were staked in 1999 and are registered under the name of John Kemp.

#### History

- Initial discovery on the Prince of Wales crown grant, prior to 1910 and carried out intermittently until 1975.
- 1975 - 78 Rio Tinto; geological mapping, geophysics, geochem, and two DD holes.
- 1988 - Prican Exploration; multielement soil geochem and Ronka EM
- 1990 - 91 Canamax Resources; line cutting, soil geochem, geological mapping and prospecting, combined helicopter-borne magnetic, electromagnetic, VLF-EM radiometric survey by Aerodat.
- 1994 - Phoenix Gold; 11.6 km induced polarization, six rotary percussion and five NQ drill holes

### Geology and Mineralization

-Geology; Harris, F.R. - 1991, Assessment Report 21,767, Canamax Resources  
The Whales Group is located at the north end of the Toroda Creek Graben and is underlain by the Permian Knob Hill Group, Triassic Brooklyn Formation, Cretaceous Nelson Plutonic rocks and Tertiary sedimentary, volcanic and intrusive rocks.

In summary, the Knob Hill rocks, consisting mainly of chert breccia, hornfelsed argillite and greenstone, occur in a northwesterly striking 1.3 km wide belt. The Brooklyn limestone, which is recrystallized, occurs as three northerly striking bands of 10 metres to 60 metres wide.

Garnet skarn occurs associated with lead and zinc, in addition to minor amounts of garnet skarn and calc-silicate occurring locally. A circular stock of Granodiorite occurs within the Jenny grid and hosts the Jenny gold veins. Syenite intrusive rocks are the predominant Tertiary rocks.

-Mineralization; Harris reports and describes three types of mineralization on the Whales Group.

- 1 - Disseminations and veins of pyrrhotite-pyrite with anomalous gold in Knob Hill sediments.  
Occurs in two areas; veins of massive sulfides are up to one metre wide with anomalous amounts of gold and arsenic. Chip sample assays ranged from 5 to 2280 gold.
- 2 - Sulfide bearing skarns in Brooklyn limestone;  
The skarn occurs at the Penn showing where three - three metre Canamax chip samples returned assay values averaging 1246 ppm copper, 27.5 ppm silver, greater than 10,000 ppm zinc, 75 ppm lead and 247 gold.
- 3 - Gold bearing quartz veins within the granodiorite.  
The Coronation vein is a 10 to 15 cm wide quartz-pyrite-arsenopyrite vein hosted by Knob Hill greenstone. Two selected samples from this vein reportedly assayed 11 and 34 grams gold per tone. The Mabel-Jenny veins are quartz-arsenopyrite-pyrite veins controlled by shear zones. Sample results from these veins are reported up to 9.2 grams gold per tone

### Potential

This property is excellent for both skarn type or epithermal type deposits, and as well as the potential for economic low- grade bulk tonnage or high-grade low tonnage mineral zones



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ENVIRONMENTAL TESTING

10041 E. Trans Canada Hwy., R.R. #2, Kamloops, B.C. V2C 6T4  
Phone (250) 573-5700 Fax (250) 573-4557  
email: ecotech@mail.wkpowerlink.com

**CERTIFICATE OF ASSAY AK 99-116**

RAINBOWS & SUNSHINE  
BOX 866  
GRAND FORKS, BC  
V0H 1H0

17-Jun-99

ATTENTION: JOHN KEMP

No. of samples received: 10  
Sample type: Rock  
PROJECT #: REG  
SHIPMENT #: 2  
Samples submitted by: J. Kemp

ET #.	Tag #	Au (g/t)	Au (oz/t)	Ag (g/t)	Ag (oz/t)	Cu (%)	Pb (%)
8	TS 04-99	-	-	45.2	1.32	1.39	-
9	TS 05-99	-	-	-	-	1.60	-
10	TS 05-99	6.22	0.181	398.0	11.61	-	17.58

**QC/DATA:**

**Repeat:**

10	TS 06-99	5.33	0.155	-	-	-	-
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**Standard:**

STD-M		1.70	0.050	-	-	-	-
Mp-IA		-	-	70.0	2.04	1.44	4.34

  
ECO-TECH LABORATORIES LTD.  
per Frank J. Pezzotti, A.Sc.T.  
B.C. Certified Assayer

XLS/99  
fax: 250-442-3401



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Phone (250) 573-5700 Fax (250) 573-4557  
email: ecotech@direct.ca

**CERTIFICATE OF ASSAY AK 99-578**

RAINBOWS & SUNSHINE  
BOX 866  
GRAND FORKS, BC  
V0H 1H0

22-Oct-99


ATTENTION: JOHN KEMP

No. of samples received: 13  
Sample type: Rock  
PROJECT #: BO/TQ  
SHIPMENT #: None given  
Samples submitted by: Rainbows & Sunshine

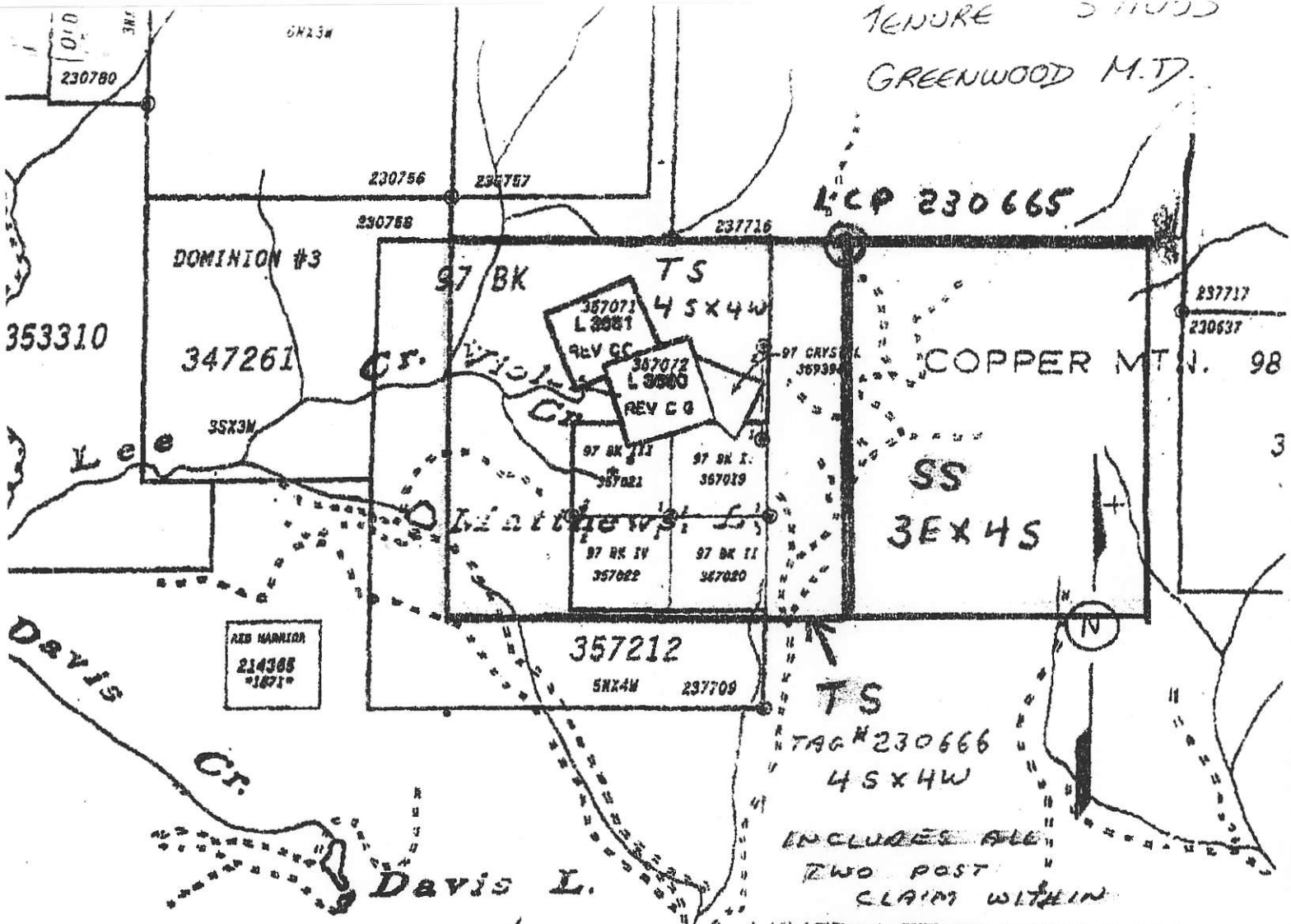
ET #.	Tag #	Au (g/t)	Au (oz/t)	As (%)
9	TQ#3	1.62	0.047	-
10	TQ#4	8.63	0.252	9.96
11	TQ#5	1.20	0.035	-
13	TQ#7	-	-	3.23

**QC DATA:**

Standard:				
STD-M		1.30	0.038	-

*per*  
  
**ECO-TECH LABORATORIES LTD.**  
 Frank J. Pezzotti, A.Sc.T.  
 B.C. Certified Assayer

TENURE 311000  
GREENWOOD M.T.



**LOCATOR'S SKETCH STAMP  
(SUB) RECORDER'S INFORMATION**

CLAIM NAMES: SS

RECORD NUMBERS: 371053

MINING DIVISION: GREENWOOD

MAP NUMBER: 82E/02W

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**MINERAL TITLES BRANCH  
DRAFTING INFORMATION**

DATE COMPLETED: \_\_\_\_\_

INITIALS: \_\_\_\_\_

MINERAL TITLES REFERENCE

MAP 082E02W

U.T.M. ZONE 11

LAST MAP UPDATE: 1999 JUN 01

ORIGINAL PRODUCED AT 1:31 680

METRES

500 0 500 1000 1500 2000

ADMINISTRATIVE AREAS

MINING DIVISIONS: GREENWOOD