

Wild 92 Group  
825100

**ASSESSMENT REPORT  
ON THE  
1992 DIAMOND DRILLING PROGRAM  
ON THE  
WILD 92 GROUP**

Greenwood Mining Division

**NTS: 82E /2E**

**Lat: 49 ° 05' N; Long: 118 ° 46' W**

**Owner:**  
Randsburg Gold Corp.

**Operator:**  
Minnova Inc.  
3-311 Water St.  
Vancouver, B.C.  
V6B 1B8

Steven J. Blower  
January 1993

## SUMMARY

The Wild 92 Group consists of 18 contiguous claims located in the Greenwood Mining Division (NTS 82E/2E) of south central British Columbia approximately 6 km west of the town of Greenwood.

Most of the property is underlain by Upper Paleozoic Knob Hill Gp. cherty tuffs and tuffaceous cherts that have been intruded by a voluminous series of diorite sills. Permian Mt. Atwood Gp. sediments are also present and are in fault contact with the older Knob Hill Group strata. Known mineralization consists of several minor chalcopyrite showings and the Wildrose vein. The Wildrose vein is a narrow, discontinuous gold bearing structure localized along a major thrust fault.

A total of 887.0 m of diamond drilling (in four holes) were completed on the claim group in December, 1992. The target was disseminated gold mineralization associated with large faults, soil gold geochemical anomalies and zones of intense silica alteration. While some evidence of hydrothermal activity was observed, the gold geochemical analyses were disappointing.

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## 1.0 INTRODUCTION

### 1.1 Location and Access

The Wild 92 group is situated within the Greenwood Mining Division at Latitude 49 deg 05' 51" N, and Longitude 118 deg 46' 37" W on NTS map sheet 82E/2E (Figure 1). This is approximately 6 km west of the town of Greenwood, B.C.. Access to the claims is via the old Motherlode mine road to the west of town. This road winds past the old Greenwood smelter on its way to the Motherlode mine site. At approximately 4 km from Greenwood an old logging road branches off to the west and traverses the property after 2 km.

### 1.2 Land Status

The Wild 92 group consists of 18 claims totalling 21 units (Figure #2). The relevant claim information is supplied below in Table #1.

**Table #1 - Claim Information**

NAME	RECORD #	UNITS	EXPIRY DATE
=====			
SAM 1	1848	1	10/12/97
SAM 2	1849	1	10/12/98
SAM 3	1850	1	10/12/97
SAM 4	1851	1	10/12/97
SAM 5	3900	1	10/18/97
SAM 6	3901	1	10/18/97
SAM 8	3902	1	10/18/97
SAM 9	2439	1	10/21/97
SAM 10	2440	1	10/21/97
SAM 11	6405	1	05/24/98
ACE	558	1	11/05/97
BELL	557	1	11/05/97
CLEVELAND	553	1	10/26/97
GOLCONDA FR	552	1	10/26/97
GOLD BED	2448	1	10/29/97
WILDROSE FR	2447	1	10/29/97
BITT	5037	4	10/30/97
BUD FR	5036	1	10/30/97
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Figure #1



Figure #2

### 1.3 Topography Vegetation and Climate

Topographic relief is moderate in all areas and ranges between 1500 and 900 meters above sea level.

Vegetation consists of sparse to moderately dense Lodgepole pine, Douglas fir and Larch trees. Large groves of deciduous trees are also common in wetter areas.

The climate is best described as moderate with average temperatures of 30 deg C in the summer and -15 deg C in the winter.

### 1.4 Previous Work

Intermittent work has been carried out on the claim group and the immediate surrounding area since 1895. Most of this consists of old hand trenches and occasional small adits.

Much of the work on the Wild 92 group was concentrated in the Wildrose vein area where three adits and a short shaft (15 m deep) were driven in the 1890's to evaluate a gold bearing quartz vein that occurs along a major fault (Dispirito and Lumley, 1988).

Wild Rose Resources has carried out recent exploration in the vicinity of the Wildrose vein consisting of diamond drilling, geophysical surveys (magnetometer, VLF-EM) and soil geochemical surveys in 1986 followed by additional diamond drilling in 1987 (Dispirito and Lumley, 1988).

Minnova optioned the property in 1991 and completed a program of linecutting, IP geophysics, soil geochemistry and diamond drilling in that year.

## 2.0 REGIONAL GEOLOGY

The oldest lithologies in the area are folded and thrust Carboniferous-Permian Knob Hill Gp. volcanics and marine sediments, and Permian Mt. Atwood Gp. sediments.

These rocks are unconformably overlain by Triassic Brooklyn Fm. sediments which host the Phoenix skarn copper deposit approximately 10 km east of the property.

In other areas, Tertiary extensional tectonics have formed large deep basins that have been filled by Penticton Gp. volcanics and sediments. These units lie unconformably on top of all older rocks. The Toroda Creek graben is a good example of this and is located 1 km west of the property.

### 3.0 PROPERTY GEOLOGY

#### 3.1 Lithology

The claims are underlain primarily by Carboniferous-Permian Knob Hill Gp. cherts and tuffaceous cherts. These are intruded by a complex series of fine grained to aphanitic diorite sills and minor dykes of probable Mesozoic age. Overall these units strike north/northwest and dip 40-50 deg to the east (Clayton, 1992).

A sequence of chert pebble conglomerate and argillaceous tuffaceous chert in the west-central portions of the property may belong to the Permian Mt. Atwood Gp.. The orientation of these units is unclear, but on an adjoining property Mt. Atwood Gp. sediments strike roughly east-west and dip 20-40 deg to the north.

#### 3.2 Structure

Several major faults dissect the property - all of which localize thin, discontinuous slivers of variably altered serpentinite. Two in particular are worth noting due to their control on mineralization - the Wildrose and Greyhound faults.

The Wildrose fault is located on the Western portion of the property and separates footwall Mt. Atwood Gp. sediments from older Knob Hill Gp. cherty sediments in the hangingwall. The orientation of the structure is 300/70 E and it hosts the gold bearing Wildrose quartz vein. Several bodies of evidence, including: i) the presence of stylolites in the Wildrose vein, ii) serpentinite along the fault, and iii) older rocks in the hangingwall all indicate that this structure is a major thrust fault.

The Greyhound fault consists of at least two major parallel splays 70 m apart that strike north-south and dip steeply to the east (?). Each splay is locally marked by a body of serpentinite up to 30 m thick.

It is probable that the Greyhound structure offsets the Wildrose thrust from a similar thrust fault that hosts Ag-Pb-Zn vein mineralization at the Roberts Mine. The horizontal component of the displacement is approximately 500 m dextrally.

### 3.3 Mineralization

The Wildrose vein is a quartz sulphide vein up to 1.5 m thick located within the Wildrose thrust fault. The vein is extremely fractured and discontinuous and exhibits common stylolites. Sulphides commonly make up 30% of the vein and consist of pyrite, pyrrhotite, and minor chalcopyrite and arsenopyrite. Exploration in 1986 outlined a portion of the vein 40 m long and 1.5 m thick grading 0.27 oz Au/ton (Dispirito and Lumley, 1988).

Numerous other trenches and small adits exist on the property. The targets for this activity are usually small quartz veins containing minor chalcopyrite.

Figure #3

## 5.0 RESULTS

### 5.1 TM92-44

This hole was designed to test for gold within diorite and tuffaceous chert beneath a zone of intense silicification that corresponded to a narrow soil gold anomaly.

Several diorite sills up to 30 m thick were encountered within cherty tuffs of the Knob Hill Gp.. The hole consists of approximately 50/50 diorite/cherty tuff. Both the diorite and sediments contain minor intervals displaying a weak to moderate sericitic and/or argillic alteration. As well, two narrow zones of altered ultramafic were cored (66.8-67.6 m and 250.8-253.0 m). Three narrow feldspar porphyry units were cored in the vicinity of the uppermost ultramafic body.

Mineralization consists of trace to 3% pyrite and very rare intervals with trace chalcopyrite and tetrahedrite within quartz stringers.

All gold values were less than 100 ppb except for two. The highest of these was 393 ppb from a 2.5 m interval of weakly sericitic and argillic altered diorite (7.0-9.5 m) containing 0.5% pyrite.

### 5.2 TM92-45

This hole was designed to test beneath a zone of intense silicification near two soil gold anomalies.

The hole was collared in Knob Hill Gp. chert (?) immediately above an ultramafic bearing fault at 14.6-15.2 m. Below the fault, the lithologies are a mixed package of carbonaceous tuffaceous chert, chert pebble conglomerate, and lithic lapilli tuff.

Mineralization consists of trace to 2% pyrite with the exception of two narrow intervals of sub-massive (20-30%) pyrite at 56.7-57.1 m and 58.3-58.6 m.

Only one sample (129 ppb @ 53.3-55.2 m) contained more than 100 ppb Au. It was from a weakly silica altered interval of tuffaceous chert containing 2% pyrite.

### 5.3 TM92-46

The Greyhound fault was the target of this hole beneath a soil gold geochemical anomaly.

Most of the hole cored weakly to unaltered, fine grained to aphanitic diorite. Two thick ultramafic bodies (20.2-33.9 and 119.3-155.2 m) were intersected at faults. As well, three thin intervals of weak to moderately silica altered cherty tuff were cored below the lowest ultramafic body.

The diorite between the ultramafic bodies contains several quartz stringer zones up to 11 m thick containing pyrite and traces of chalcopryite, sphalerite and galena. However, no gold values greater than 10 ppb were obtained from the hole.

### 5.4 TM92-47

As with holes TM92-44 and 45, TM92-47 was designed to test beneath a zone of intensely silicified cherty tuff.

The hole cored intensely silicified cherty tuff for much of the first 30 m. Beneath this, most of the core consists of weakly to moderately sericitic and argillic altered diorite. A feldspar porphyry dyke is present at 108.9-114.3 m along a moderate fault.

Mineralization consists of trace to 3% pyrite throughout, with one zone (27.8-30.1 m) of 5% pyrite in coarse clusters 0.5-4 cm in diameter. This interval returned 270 ppb Au. The only other significant gold value was 690 ppb from a 1.9 m section of moderately sericite altered diorite.



## 6.0 DISCUSSION AND CONCLUSIONS

None of the four holes returned encouraging results.

Of the three zones of silicification tested by holes TM92-44,45 and 47, none were found to overlie significant gold mineralization. The potential for the occurrence of large zones of disseminated gold related to this type of alteration on the Wildrose property is therefore very limited.

The greyhound fault is a major structure and is a locus of hydrothermal activity - as evidenced by the weakly sulphidic quartz stringer zones between the two fault splays. However, the lack of any anomalous gold values from the quartz stringer zones seriously limits the potential for the occurrence of economic gold deposits elsewhere along the fault.

## 7.0 REFERENCES

Clayton, 1992, Assessment Report on 1991 Linecutting and I.P.  
Geophysics on the Sam Group near Greenwood, B.C.

Dispirito, F. and Lumley, W.E., 1988, Report on the Wild  
Rose Claim Group, Prepared for Wild Rose Resources  
Ltd. by Strato Geological Engineering Ltd..

APPENDIX 1

STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, **Steven J. Blower** of 8307 Shaughnessy Street, Vancouver, B.C. certify that:

1. I graduated from the University of British Columbia with a B.Sc. degree in geology in 1988.
2. I have practised my profession continuously since my graduation.
3. I am currently employed by Minnova as a Contract Geologist.
4. I was the field Geologist responsible for the drill program and I logged all of the core.

Date:

Signature:

APPENDIX 2

STATEMENT OF COSTS

STATEMENT OF COSTSDIAMOND DRILLING

Contractor:  
 887.0 m @ /m .....

PERSONNEL

D. Heberlein (Senior Project Geologist):  
 1 day @ \$250/day ..... \$250

S. Blower (Project Geologist):  
 25 days @ \$170/day ..... \$4250

L. Kelly (Field Assistant):  
 25 days @ \$110/day ..... \$2750

LOGISTICS

Meals and accomodation:  
 16 mandays @ \$58.70/day ..... \$939

Vehicle rental:  
 16 days @ \$50/day ..... \$800

Freight: ..... \$761

Field expenses and equipment: ..... \$633

ANALYTICAL COSTS

Geochemistry (Au & multi-element ICP):  
 332 samples @ \$28.88 ..... \$9588

REPORT PREPARATION

Steve Blower:  
 3 days @ \$170/day ..... \$510

APPENDIX 3

DRILL LOGS

#### 4.0 DIAMOND DRILLING PROGRAM

Four NQ diamond drill holes (#'s TM92-44,45,46 and 47) totalling 887.0 m were completed in an attempt to locate disseminated gold mineralization associated with zones of silica alteration and/or major faults that coincided with soil gold geochemistry anomalies. Diamond drill hole locations are shown in Figure #3.

The work was completed during December of 1992. The drill hole parameters are provided below in Table #1.

**Table #2 - Diamond Drill Hole Parameters**

HOLE #	NORTH	EAST	AZIMUTH	DIP	LENGTH (M)
TM92-44	8+00 N	17+65 E	270	-45	286.5
TM92-45	2+00 N	17+50 E	270	-45	225.6
TM92-46	2+00 N	20+70 E	270	-45	234.7
TM92-47	2+00 N	11+50 E	270	-45	140.2
TOTAL					887.0



### 1.3 Topography Vegetation and Climate:

Topographic relief is moderate in all areas and ranges between 1500 and 900 meters above sea level. Vegetation consists of sparse to moderately dense Lodgepole pine, Douglas fir and Larch. Large groves of deciduous trees are also common in wetter areas.

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Sam 3	1850	1		10-12-97
Sam 4	1851	1		10-12-97
Sam 5	3900	1		10-18-97
Sam 6	3901	1		10-18-97
Sam 8	3902	1		10-18-97
Sam 9	2439	1		10-21-97
Sam 10	2440	1		10-21-97
Sam 11	6405	1		05-24-98
Ace	558	1		11-05-97
Bell	557	1		11-05-97
Cleveland	553	1		10-26-97
Golconda fr.	552	1		10-26-97
Gold Bed	2448	1		10-29-97
Wild Rose fr.	2447	1		10-29-97
Bitt	5037	1		10-30-97
Rud fr.	5036	1		10-30-97

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