

King Mtn Copper

MEMORANDUM

TO: S. K. Garrett DATE: May 13, 1963  
FROM: D. K. Jordt  
RE: Williams Brothers King Mtn. Copper Prospect, Grants Pass, Oregon

Claims and Location:

4 patented, 3 unpatented claims along Baker Creek on southern flanks of King Mtn. straddling Jackson-Josephine County line; Section 25, T33S, R4W.

Ownership:

Messrs. Williams; 121 NE Scenic Drive, Grants Pass, Oregon GR-9-2781

History:

Discovered about 70 years ago by prospectors following gold colors up hill from Baker Creek; original gold test-pitting and tunneling on minor scale high up on ridge at that time. Later (about 50 years ago), 3 adits driven lower down on hill, within 150 vertical feet of Baker Creek - an attempt to tap gold-bearing gossanized argillites at depth - discovered sulfide-bearing greenstone with low gold values, project abandoned with one claim patented. Thirty years ago the Bradleys reportedly showed interest but "couldn't deal with the owner". The property was acquired by the Williams Brothers about 18 years ago.

Geologic Setting:

Mottled, brecciated, auriferous argillites covering top of ridge with sulfide-bearing greenstone below in either an intrusive or a fault relationship or both. Minor serpentinized peridotite dike intrudes argillite in cut at top of ridge. A selected chunk of this reportedly assayed 2.61 Cu and 0.25 Ni.

The Deposit:

Disseminated and near-solid yellow sulfides along N60-80W south-dipping fractures or minor faults in sheared greenstone. Occurrence is in two small adits near base of ridge. Vertical separation of adits 44 feet. Important sulfide length: 25' in upper adit; 40' in lower adit. Assays (see accompanying adit plans) better in "upper"; chalcopyrite in "lower" is supplanted by fine-grained, massive white pyrite. The whole length of mineralization is exposed in "upper", while "lower" has not been fully explored in length, 3' of 1.5% Cu showing in face.

Conclusions:

- Points in favor:
- 1) greenstone environment ideal for Cu.
  - 2) precedent of many small Cu-Ni-Au occurrences in area; Hanna Ni mine some miles to west presumably in same mineral belt.
  - 3) strike length improves with depth.
  - 4) strike length not fully exposed in lower adit
  - 5) area largely covered with eluvium, obscuring outcrops.

Points in disfavor: 1) occurrence very small  
2) assays wanting in Cu; Ni and Au in trace amounts only; Ag in tenths of an ounce.

The conclusion follows that although structural testing seems called for, the indicated tenor does not justify exploration at the present time.

David K. Indt

DKJ/sb

# SUNSHINE MINING COMPANY ASSAY OFFICE

NAME S. K. Garrett.

DATE May 10, 1963.

Sample Number	Au. Ozs.	Ag. Ozs.	Pb. %	Cu. %	Ni %	As. %	Sb. %	Bi. %	Zn. %	S %	H <sub>2</sub> O
Adit # 1		5.0		0.5	No						
Adit # 1 #2		Rse Bottom (1.7)		0.1	No						
Adit # 1 #3		Rse. (2.0)		0.1	No						
Adit # 1 #4		3.0		1.5	Tr						
Adit N <sup>o</sup> 2				2.2	Tr						
Winze # 1		(4.0)		0.8	Tr						
Winze # 2		(5.5)		1.5	Tr						
Winze # 3		(5.5)		1.2	Tr						
Winze # 4		(10)		0.4	No						

M. F. Scott.

Chief Chemist

# SUNSHINE MINING COMPANY ASSAY OFFICE

NAME \_\_\_\_\_

DATE May 7, 1963.

Sample Number	Au. Ozs.	Ag. Ozs.	Pb. %	Cu. %	Fe. %	As. %	Sb. %	Bi. %	Zn. %	S %	H <sub>2</sub> O
Adit # 1	Tr	0.10									5.0
Adit # 1	Tr	0.17	# 2 Rse Bottom,								(1.7)
Adit # 1	Tr	0.15	# 3 Rse,								(2.0)
Adit # 1	Tr	0.17	# 4.								3.0
# 1	Tr	0.31	Adit N <sup>o</sup> 2 (upper)								<del>5.0</del>
# 2	Tr	0.12									(4.0)
# 3	Tr	0.16									(5.5)
# 4	Tr	0.08									(5.5)
# 5 XC BWall	Tr	0.10									(10)

M. F. Scott.

SUNSHINE MINING COM. AN.  
ASSAY OFFICE

NAME S. K. Garrett.

DATE May 10, 1963.

Sample Number	Au. Ozs.	Ag. Ozs.	Pb. %	Cu. %	NI %	As. %	Sb. %	Bi. %	Zn. %	S %	H <sub>2</sub> O
Adit # 1		5.0		0.5	No						
Adit # 1 #2 Rse Bottom		(1.7)		0.1	No						
Adit # 1 #3 Rse.		(2.0)		0.1	No						
Adit # 1 #4		3.0		1.5	Tr						
Adit # 1	Adit			2.2	Tr						
Adit # 2	N <sup>o</sup>	(4.0)		0.8	Tr						
Adit # 3	2	(5.5)		1.5	Tr						
Adit # 4		(5.5)		1.2	Tr						
5 X Cut		(10)		0.4	No						

M. F. Scott.

Chief Chemist

SUNSHINE MINING COMPANY  
ASSAY OFFICE

NAME S. K. Garrett.

DATE May 10, 1963.

Sample Number	Au. Ozs.	Ag. Ozs.	Pb. %	Cu. %	NI %	As. %	Sb. %	Bi. %	Zn. %	S %	H <sub>2</sub> O
Adit # 1		5.0		0.5	No						
Adit # 1 #2 Rse Bottom		(1.7)		0.1	No						
Adit # 1 #3 Rse.		(2.0)		0.1	No						
Adit # 1 #4		3.0		1.5	Tr						
Adit # 1	Adit			2.2	Tr						
Adit # 2	N <sup>o</sup>	(4.0)		0.8	Tr						
Adit # 3	2	(5.5)		1.5	Tr						
Adit # 4		(5.5)		1.2	Tr						
5 X Cut		(10)		0.4	No						

M. F. Scott.

Chief Chemist

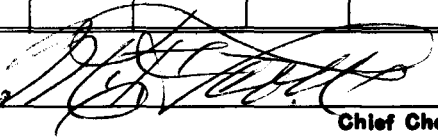
# SUNSHINE MINING COMPANY ASSAY OFFICE

NAME S. K. Garrett.

DATE April 19, 1963.

Sample Number	Au. Ozs.	Ag. Ozs.	Pb. %	Cu. %	Fe. %	As. %	Sb. %	Bi. %	Zn. %	S %	H <sub>2</sub> O
SM 3306	0.10	0.70									
3307	0.115	0.80									
<p>→ has name on scenic Dr</p> <p>W.G. or <u>F.T. J. R.</u> WILLIAMS</p> <p>GRANTS PASS, OREGON</p> <p>121 NE Scenic Dr.</p> <p>Phone Greenwood 9-2781</p>											

M. F. Scott,



Chief Chemist

Notes on King Mtn  
Area

KING MTN, ORE

W.G. & F.T. Williams  
121 NE Scenic Dr.  
Ore (Grants Pass)

Old folks in 70's

Copy showing in  
gray shale w/ qtz gangue

discovered. Messrs  
60-70 years ago Messrs

4 claims patented  
(1 way back  
3 in recent years)  
1798 years in possession  
3 unpatented  
(1 in Jackson County  
2 in Josephine)

adits driven for gold  
over 50 years ago.  
150' @ cr. level; 60' adit above;  
100. n. Au Rk. <sup>take</sup> from surface  
red soil // small cyanide plant  
on top  
4th adit on top 25'