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RUN DATE: 06/04/96
RUN TIME: 11:15:47

MINFILE / pc
MASTER REPORT
GEOLOGICAL SURVEY BRANCH - MINERAL RESOURCES DIVISION
MINISTRY OF ENERGY, MINES AND PETROLEUM RESOURCES

PAGE: 1
REPORT: RGEN0100

MINFILE NUMBER: 092JNE069

NEW? adjoins the Ample on the east.

NATIONAL MINERAL INVENTORY:

NAME(S): AMPLE (L.525), BEV, GEM

(Goldmax)

STATUS: Prospect
NTS MAP: 092J09E
LATITUDE: 50 38 45
LONGITUDE: 122 02 45
ELEVATION: 975 Metres
LOCATION ACCURACY: Within 500M
COMMENTS: North side of Cayoosh Creek (Lot 525).

MINING DIVISION: Lillooet
UTM ZONE: 10
NORTHING: 5610657
EASTING: 567463

COMMODITIES: Gold

MINERALS

SIGNIFICANT: Pyrite Arsenopyrite
COMMENTS: Anhedral pyrite, euhedral arsenopyrite.
ASSOCIATED: Quartz Calcite
ALTERATION: Graphite Epsomite
MINERALIZATION AGE: Unknown

Native Gold

Siderite

DEPOSIT

CHARACTER: Vein
CLASSIFICATION: Hydrothermal Epigenetic
TYPE: Gold-quartz veins
DIMENSION: STRIKE/DIP: 090/23N
COMMENTS: ~~Four parallel~~ quartz veins are up to 2.5 metres wide.

Mesothermal 200°/20°-30°W

TREND/PLUNGE:

HOST ROCK

DOMINANT HOST ROCK: Metasedimentary

STRATIGRAPHIC AGE

Paleozoic-Mesozoic Bridge River *Brew Group* Undefined Formation

IGNEOUS/METAMORPHIC/OTHER

LITHOLOGY: Phyllite *Argillite*
Schist *Sandstone*
Quartzite
Greenstone
Quartz Vein

Lower Cretaceous

GEOLOGICAL SETTING

TECTONIC BELT: Coast Crystalline
TERRANE: Bridge River
METAMORPHIC TYPE: Regional

PHYSIOGRAPHIC AREA: Pacific Ranges

RELATIONSHIP:

GRADE:

CAPSULE GEOLOGY

Mississippian to Jurassic Bridge River Complex (Group) metasediments, phyllites, quartz-biotite-hornblende schist, chloritic quartzites and greenstone strike east-west and dip about 25 degrees north. A 10-metre wide zone of faulting occurs in a schistose phyllite unit which is overlain by a more competent impure quartzite. Four parallel quartz veins, about 2.5 metres wide can be traced for 300 metres in the zone, running parallel to the enclosing schistose sediments. Erratic mineralization consists of pyrite and arsenopyrite, with gold values present. Quartz and calcite gangue also contains graphite, epsomite and siderite. Greenstone is said to occur on the hanging wall of the zone.

There has been some confusion between this property and the Golden Cache (092JNE094). Some records list the Ample as part of the Golden Cache group (there may have been an adit called the Ample). Production figures are included with the Golden Cache.

A shearing zone, thought to be related to a regional thrust fault, separates the Brew Group Lower Cretaceous Mississippian from overlying Bridge River to Jurassic Bridge River Complex (Group) metasedimentary schists. Erratic mineralization, consisting of native gold and minor arsenopyrite and pyrite, occur in a zone of quartz and carbonate veins parallel to sub-parallel to the regional foliation. The veins have been tightly folded locally; or may have a sheeted appearance.

BIBLIOGRAPHY

EMPR AR 1896-547; 1897-556, 560, 619; 1898-1100; 1900-909; 1904-240; 1932-211; *1935-F8; 1946-121; 1947-136
EMPR PF (Reports by E.W. Smith, 174, 1977; Misc. maps)
EMPR FIELDWORK 1974, p. 35; 1985, pp. 303-310; 1986, pp. 23-29; 1987, pp. 93-130; 1988, pp. 105-152; 1989, pp. 45-72; 1990, pp. 75-83
EMPR OF 1987-11; 1988-3; 1989-4; 1990-10
GSC OF 482
GSC P 73-17

GSB-Schroeder May '96 Monthly Rpt.

DATE CODED: 850724
DATE REVISED: 910410

June 4/96

CODED BY: GSB
REVISED BY: MM TBS

FIELD CHECK: N
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Aphanitic, sericitized dykes occur within the mineralized zone.

In Spring '96, 9 diamond drill holes totalling approx. 1800m tested a st. sq. 600m by 100m gold-in-soil anomaly

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