

LEVEL MT Property July 1982

671713

104J/6W

Cam:

We've pretty well covered the claim group with prospecting traverses except the extreme South end.

The results of the prospecting done so far indicates to me that the only area of possible interest is the Gossan ^{now} called Tiger Hill and an area adjacent to it to the WNW which I now call "Opal Peak". (See appropriate air photo overlaps showing location of opalized area.) All of these rocks lie conveniently on the Rainbow Princess claim.

The opalized area consists of stringers, stockworks + breccia fillings of opal, chert, some small quartz crystals and iron oxides. Some of the rock is highly leached and stockworks of iron oxides, with very little opal also present. The area containing sparse to common opal in talus is about 1000 x 1500'. Often the opal is barely discernible unless one closely examines a rock. Some areas of about 100 x 50' showed possibly 25% of the talus being opalized + breccia.

I flagged the top of the north facing ridge where opal occurs in about crop rubble and appears to extend NE. down toward what I now call Emerald Lake.

I have sent in some samples for you to look at #1 to 8 and also samples CK1 to CK4 for rock geochem assays for gold, silver + arsenic.

If you were to do any follow up on this area I would recommend the following work:

①

Grid prospect the extent of the opalized talus

1) Use my top flapping on the ridge and a flagged cairn at the summit of the pass below (about 1500 to the north) for a baseline running N-S side to side every 100' parallel to the contours of the ridge with stations every 50' Opal absent, Opal present, Opal abundant would suffice for preliminary outlining of the area of interest. Note might also be made of the presence of iron oxide stockworks as well.

2) The red and yellow to white gossan at Tiger Hill could be grid geochemed for Ag, Au, Hg, As. Say 50' x 200' interval. Also an Alumite testing kit could be used to test for the presence of that mineral - Tom Schweter can get them

^{special} Kit consists of test tubes, heat source (propane torch) Litmus Paper PH 1 to 5 I believe + a sample of crushed rock. The litmus paper apparently turns colour according to relative percentage of Alumite.

Alumite is a good indicator mineral in some epithermal precious metal deposit in the Lang Canyon zone

3) Detailed geologic mapping of The Rainbow Princess claim. Also selected rocks for thin section analysis.

This work would not have to be done this year.

I would just as soon hold the 20 units of Rainbow Princess claim for as long as possible and drop the rest of the claims if that is O.K. with you.

None of the target areas peripheral to the central gossan have held up to ground examination.

We are definitely at a very high level in this volcanic system which is unfortunate as deeper erosion may have shown a different picture

I'll send you an invoice for my work & expense when I get to Smethway. I should beat the Aspen Hotel Thursday night - then fly into Aspen on Friday.

Hope all goes well with your seasons work and see you later in the year.

Chad Kowal

Rock description attached

1 Box rocks sent to you in letter via Bangl.

Selected
Rock Samples FROM "OPAL DEALIC"

ALL OF THESE SAMPLES ARE TALUS FLAT

C-1 - Heavily kaolinized tan altered volcanic
heavy open iron stained box works with
some opal W END OF ZONE

C-2 opal stringers MIDDLE OF ZONE
light colored volcanic

C-3 - Purplish volcanic opal-iron oxides
stockworks found in several localities
including crest of ridge + also talus below

C-4 light colored volcanic breccia - open
spaces cemented by Fe oxides + opal
some pervasive silicification greenish white
away from opal stringers

C-5 Open space opal cemented breccia
near W. end of zone.

C-6 Flesh colored volcanic (rhyolite?) Breccia
not so kaolinized open spaces cemented with
iron oxides + opal W end of zone.

C-7 - Top of ridge near flagging
yellow to red opal + chat stringer in
reddish tan kaolinized volcanic

C-8 All opal stringer, brecciated in flesh
colored volcanic (rhyolite?) East end of
zone along ridge crest, near contact with
"Twin Hill Gneiss"

Level MT

ROCK SAMPLES TO ASSAY:

FOR GOLD & SILVER

CK-1) QUARTZ FLOAT FOUND NEAR
WEST EDGE OF GOLDEN EAGLE CLAIM

CK-2 Brecciated QTZ-chert - talus on
crest of ridge adjacent to west contact
of Tiger Hill gossan

CK-3 opal boxworks, pink tan kaolynized
volcanic OPAL PEAK Talus

CK-4 highly brecciated whitish volcanic
breccia with open voids, cemented by iron
oxides & some opal.
opal peak Talus

CI Kowall

