

The State of Wyoming.

Office of State Geologist,

Cheyenne.

MR 1904-50

GEOLOGICAL SURVEY OF WYOMING

October 11th, 1904.

Mr George F. Putnam.

Secy.-Treas. Island City C.M.Co.

Eaton Rapids, Michigan.

Dear Sir;-

Herewith I hand you brief report on the conditions noted at the Island City Group of claims owned by your company. I regret the delay in making this report but ^dunder the circumstances it was unavoidable.

Very Truly Yours,

State Geologist.

A R E P O R T
O N
T H E I S L A N D C I T Y G R O U P .
N E A R
D I L L O N , C A R B O N C O U N T Y ,
W Y O M I N G .

—oooOooo—

L O C A T I O N A N D E X T E N T .

The Island City Group of claims is situated on the north side of Bridger Mountain, near the head of North Spring Creek, about two miles north-east of the town of Dillon, in Southern Carbon County, Wyoming.

The claims are as follows;

The Albion,
Lansing,
Michigan Girl,
Detroit,
Bellevue.

The claims are situated in Sections 3 and 10, T.14 N., R.86 W. and the group contains about one hundred acres of land, held by location and discovery under the laws of the United States and the State of Wyoming.

O W N E R S .

This group is owned by the ISLAND CITY COPPER MINING COMPANY of Encampment, Wyoming, incorporated under the laws of the State of Wyoming for \$1,000,000.00, divided into 1,000,000 shares of par value of \$1.00 each.

F O R M A T I O N .

The geological formation of the section covered by the head of Spring and Cow Creeks, north of Bridger Peak consists of a series of broad bands of schists, mostly hornblende-schist, with some diorite and quartzite lying in the schist. In a number of instances the schists are much metamorphosed and altered, often being taken for dyke rocks and called by various local names. These bands have a general trend north of west and south of east but this trend varies locally; the dip is usually towards the south.

I S L A N D C I T Y G R O U P

At this point the formation shows schists and norite having the above dip and trend but at many points on the group the formation is covered with huge boulders of the dyke rocks occurring on the mountain above the claims.

The principal showing of the group is at the main shaft on the Michigan Girl Claim where a depth of some 60 feet has been reached and a strong showing of iron sulphides was made. The surface indicates a strong ledge of this material occurring on the contact between the norite and schist, the ledge matter being strongly impregnated with iron oxides and some copper stains.

At several points on the group are noted small veins or stringers of quartz which are often stained with iron oxides but these are believed to be of limited extent and it is not considered advisable to follow them in developing the property.

The work in the tunnel run on the Lansing Claim was evidently run to cut one of the small leads in the hill above but at the present time

The State of Wyoming.

Office of State Geologist,

Cheyenne.

it is not considered advisable to continue here.

It is advised that future work on this group be done in the present main shaft and that this shaft be sunk on the vein, following the dip and ore in all cases. The showing in this shaft is considered sufficient to fully warrant further work until such a depth is reached to fully demonstrate whether these oxidized iron caps in this vicinity are underlain by copper ores or not. The present depth has not gone through the oxidized surface material, though some sulphides have been found, mostly pyrrhotite, and some small amounts of copper sulphides were noted.

This showing is sufficient to warrant patenting the ground and it is suggested that this step be taken as soon as possible to avoid all possible complications in the future.

The claims are well timbered for mine timbers and the water supply is sufficient for all present needs. Supplies and all necessary material for work can be obtained at Dillon or Saratoga and the main road of this section passes at the side of the group.

Respectfully Submitted,



State Geologist.

Date of Examination.

October 5th, 1904.