Examination by: $N$. S. Wagner Date of examination: Februexy 23, 1944

Accompanied in field by: Mr, F. M. Gunn and Mr. Walter Gardner, owners and instigators of this company, and Mr. Gardner's son and Mr. Hewlitt who was a disinterested visitor.

For location of sites visited see accompanying map.
Test pit Th. This used to be about $10^{\prime \prime} \times 20^{\prime}$, but is old and so milled with slough that only a fer loese chinks of iron and one large one about three feet through are to be seen. The large one probably is in place. This pit is situated on the orest of a high, narrow ridge. Sufficient exposures of bedrock show that the iron doesn't strike parellel with this ridge. While occasional pieces of iron can be found down a steep draw which heads from this pit and runs in a S40W direction therefrom, these may very well be pieces which were dug from the hole and
which have since rollod down the draw. Mr. Gunn tolked about the vein striking at right angles to the ridge and running dowm the hill on either side, but eareful soarch by wr, Gardner Jr, and me in spite of Mr. Gunn's insistence on not taking the time revealed no trace of float on the slope to the west whatsoever. All parties fanned out down the slope to the east enroute to the 2nd pit instead of taking the circuitous, but level, path around the canyon. While thin basalt covered part of the slope, considerable bedrock was exposed. No one found any sign of ore either down this slope or up the opposite one although Mr. Gunn was very positive about the veins going through there. A grab sample irom this pit, $B B_{13} 13$, was assayed with the following results.


Tost pit \#z. This is situated somewhat more than $\frac{3}{2}$ milo distant from ${ }^{7} 1$ in a slightly east of south direction, as judged from its assigned location on the topographie map for Pine quad, A lense of iron about 3 t thick, striking NB5I and dipping 45 degrees to the 5 is exposed for about $25^{\circ}$. This is also on the crest of a ridge and wir. Gerdner reports having found no trace of $i r o n$ down the long, steep slope to the West. However, unprospected oroppings did show on the relatively flat top to the east for an estimated $50^{\circ}$. A steep local gully crosses the strike here and although Gerdner, Gunn and I zigzagged through here along the projected line of strike, no iron was found on elther slope. The country rock here is light colored and quite soft and probably is one of the islands of schist Ross speaks of. Maybe just deeply weathered granite. Sample 3 IB 14, a grab sample assayed as follows.

| Fe | $68,5 \%$ |
| :--- | :--- |
| $\frac{1,08}{11 O_{2}}$ | 1,08 |
| P | 0,017 |
| 5 | Traee |

Test pit j3. This is an old caved out on the west slope of the same ridge that is is on but it is situated quite some distance down the slope to the oast. Only a fev loose pleces of iron were to be geen. Thile this is on the projaetad strike of the lense exposed in H2, it is separated bu about $400^{4}$ yards of country on whith no evidence of iron was seen.

Test pit ${ }^{H} 4$. This occurs near the base of the sune astem hillside that $i 3$ is on, but it is some 700 to 800 yaxds to the north (slightly east) of $\sqrt{73}$. Here an inadquate eut shows about $18^{\circ \prime}$ of iron in the face. None Is apparent on up the hill to the west, but ungrospected exoppings do extned some $50^{\circ}$ down the hill. In one place the exopping appearg to attain the width of $20^{\prime \prime}$, but this may vexy well be due to one or more parallel. lenses. In any event, it is vary local. Sample I3 25 , agrab, eame Irom hexe and assayed as follows.


In looking for another occurrence which was nevex found, a traverse was made to about the north center of Section 3 and thence due south to the cars.

We then drove to the Macy Mine and hiked to the location shown on the map, this supposedly being a big "blowout" of iron. This "blowout" oceurs at the base of a considerable thickness of basalt and is aither a coarsely erystalline phase of the basalt or a local and relatively basic intrusive. Semple $K B 16$ came from here and was sent in for petrographic analysis, being roported. as follows. "robably a diabase and composed of plagioclase, probably labradorite, augite and magnetite, It may be a very coarse grained besalt, but I would suspect from what you say, plus the appeaxance of the rook, that it is a dike rock."

Gaxdner had operated a mine owned by Mr. Bewlitt's father here sone thirteen years ago and has at various times been employed at the Macy. He was admittedly going on his recollections when he included this "blowout" as another iron ore showing, and he recognized it as not being such imediately. Mr. Gunn however, spoke at groat length ebout recovering substantial quantities of an unknown metal by a special process of his from'rock "very similar to this, but somewhat moro serpentinized" looated somewhere else.

Both Gardner and Gunn seem thoroughly satisfied with the worth of this property and with the potential reserves and statements, to the contrary, or questions or sugsestions by me relative to the need for tremendous tonnage, the lack of tomnage here, the noed for proving up their beliefs - the lack of likelihood of doing so, etc*, fell on completely deai eara,

