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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

IN REPLY REFER TO:

(181)

Item 16

Menlo Park, Calif., February 16th, 1963.

Dr. Vernon E. Scheid,  
Nevada Bureau of Mines,  
Reno, Nevada.

RECEIVED

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MARSHALL SCHOOL OF MINES

Dear Scheid:

I have recently had a chance to examine the group of resource maps recently issued by the Bureau, especially that showing the manganese deposits of Nevada. These maps serve a very useful purpose and I am interested in the manganese map. As you may know, I am giving all of my time to the review and study of the manganese deposits of the United States and have in my files almost everything on record in the Survey concerning manganese deposits.

After a hasty examination of the map, I note the absence of several deposits, of which some may be important at some time. As the notation in the upper left-hand corner refers to "published" information about the deposits, I have wondered whether you had access to other information in the Survey files in the preparation of the map. I have conferred with Max Crittenden and Ralph Roberts and neither had ever seen this map.

Even though my examination of the manganese map was far from exhaustive, I note the absence of the following deposits:

1. Raven deposit; Sec. 15(?), T. 44 N., R. 25 E., Humboldt County. In May, 1959, Hal Steger of the Survey made an examination of this deposit for D.M.E.A.; I enclose a copy of the report made for Crittenden and me. For your information, I should say that this is a very unusual deposit and enough work was done to show its nature very well. Explorations showed that there are 17 beds of oxide (cryptomelane) that average 6 inches in thickness, in a total thickness of beds of 60 feet. These layers of oxide alternate with beds of diatomite and according to Kenneth Lohman who examined the material closely, the age is upper middle Miocene. Nothing quite like this deposit is known elsewhere in the United States but one is known in Chile and another in Russia.
2. Dixon deposit; lies on the top of the Pine Nut Mountains, about 12 miles due East of Carson City, Ormsby County. It was first examined during the War by Montis Klepper of the Survey and his report is on microfilm in our files. There is considerable trenching and a tunnel.
3. Black Rock deposit; Sec. 32, T. 32 N., R. 51 E., Eureka County. Examined by Ralph Roberts in 1961; brief report in my files. Workings include shallow pits and a 20-foot adit.

May I suggest that such a map should show much in the way of culture, towns, roads and maybe townships, if the deposits may be identified accurately. of the names on this map, only about half agree with the names in our records; as you know, names change frequently in the West. A close check of all of the deposits would take considerable time and I have not done this. Best wishes,

Sincerely,

J. J. Hewes