PRELIMINARY RECONNAISSANCE REPORT

EXAMINED BY: H. W. Norman
DATE(S) EXAMINED: January 24, 1953

1. SAMPLES
   NUMBER  TYPE AND WIDTH  RADIOACTIVITY
   None

2. STATE: Idaho  COUNTY: Shoshone
   DISTRICT: Butte  NEAREST TOWN: Butte
   PROPERTY: Gold Hunter Mine

   LOCATION:
   sec. 26, T. 16 N., R. 5 E.

3. TYPE OF EXAMINATION:
   Underground radiometric & geologic.
   Halross Model 939 Scintillometer.

4. DIRECTIONS TO DEPOSIT:
   Proceed southwest on U. S. Highway 10 from Butte. The mill and surface plant lie
   immediately east of the Butte townsite.

5. OWNER OR OPERATOR:
   Day Mines, Incorporated

6. MINE OR PROPERTY HISTORY, PRODUCTION AND WORKINGS:
   The property consists of 12 patented
   lode claims and extensions and 6 patented millsites. Mine discovered in 1880 and except for
   a few years has been operated steadily since 1887. Between 1902 and 1930 output totaled
   2,885,921 tons of ore averaging 5.12 Pb, 3.1 cu. ft. Ag per ton, and approximately .56 Zn. Be-
   tween 1933 and 1947 output averaged approximately 65,000 tons of ore yearly averaging 2.48
   Pb, 1.55 Zn and 3.0 cu. ft. Ag per ton. Developed by over 10 miles of underground workings
   and
   RADIOACTIVITY: testing through a vertical range of 3200 feet.
   Negative. Background averaged 30 counts per second. High reading in mine was 60 counts
   per second along fault gouge in south crosscut of 650 level. Mine flooded below 650 level.
   Levels above 16 tunnel not accessible at this time.

7. DESCRIPTION OF DEPOSIT (Discuss under: A. Topography, B. Geology, C. Mineralogy)
   A. Rough, wooded area of Butte d'Alene Mountains.
   B. Workings are in Butte, St. Regis and Brevett formations. Rock is considerably
   altered in most of mine. The ore occurs in ill-defined and runidified lenses
   lying within an extensive zone of mineralization. The pitch of the ore shoots
   is nearly vertical.
   C. The mineralized zone is replaced to varying extent by siderite, barite and fine-
   grained quartz. Calcite is the most abundant sulfide, with sphalerite and tetra-
   hedrite less common. Siderite is the most common gangue mineral, but pyrite and
   fine-grained quartz are abundant. Barite is more abundant than in any other mine
   in the Butte d'Alene district.

11. PROOF OF OWNERSHIP RECEIVED? No
    PERMISSION TO PUBLISH RECEIVED? No

13. OTHER INVESTIGATIONS:
    U.S.G.S. Professional Paper 69-1806, 09
    Geologic Study of the Butte-Butte area,
    Leland and Hunter Mining Districts,  Shoshone County, Idaho
    P. J. Shumy & R.P. Fidy, August 1948

14. ADDITIONAL INFORMATION:
    Day Mines is engaged in repairing the
    shaft and intends to reenter the mine
    to the 1800 level in the near future.

15. SUPPLEMENTARY RECONNAISSANCE
    REPORT TO FOLLOW? Yes