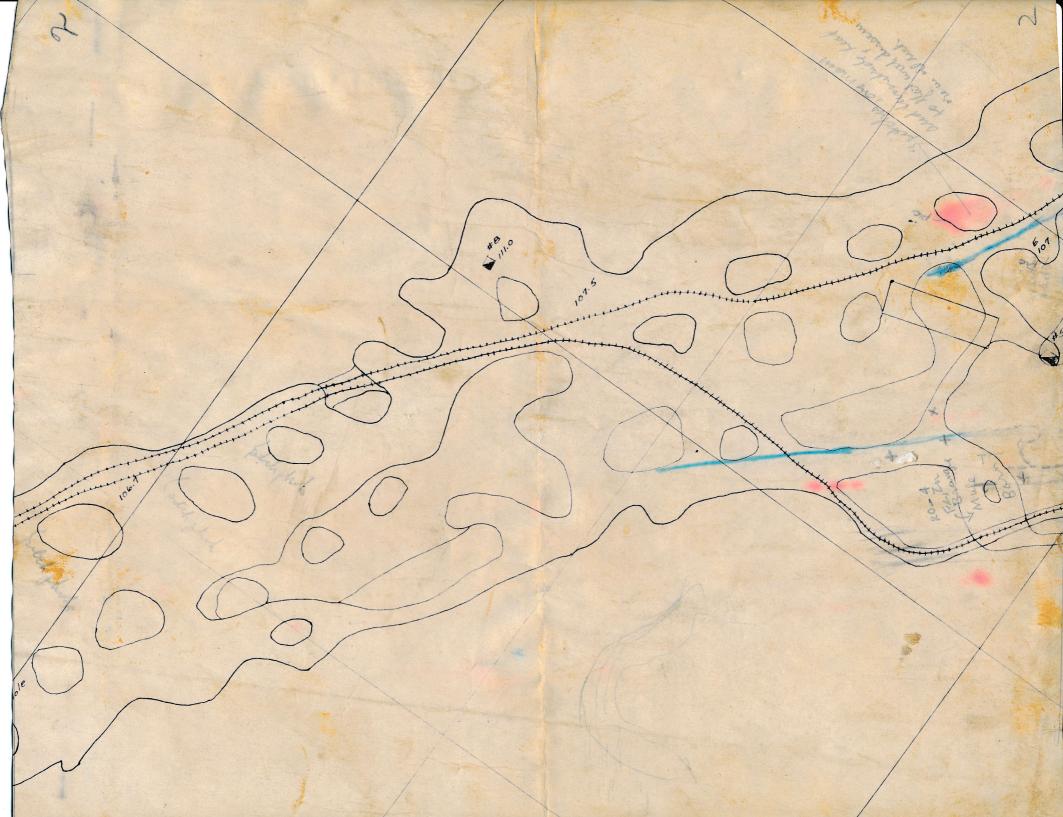
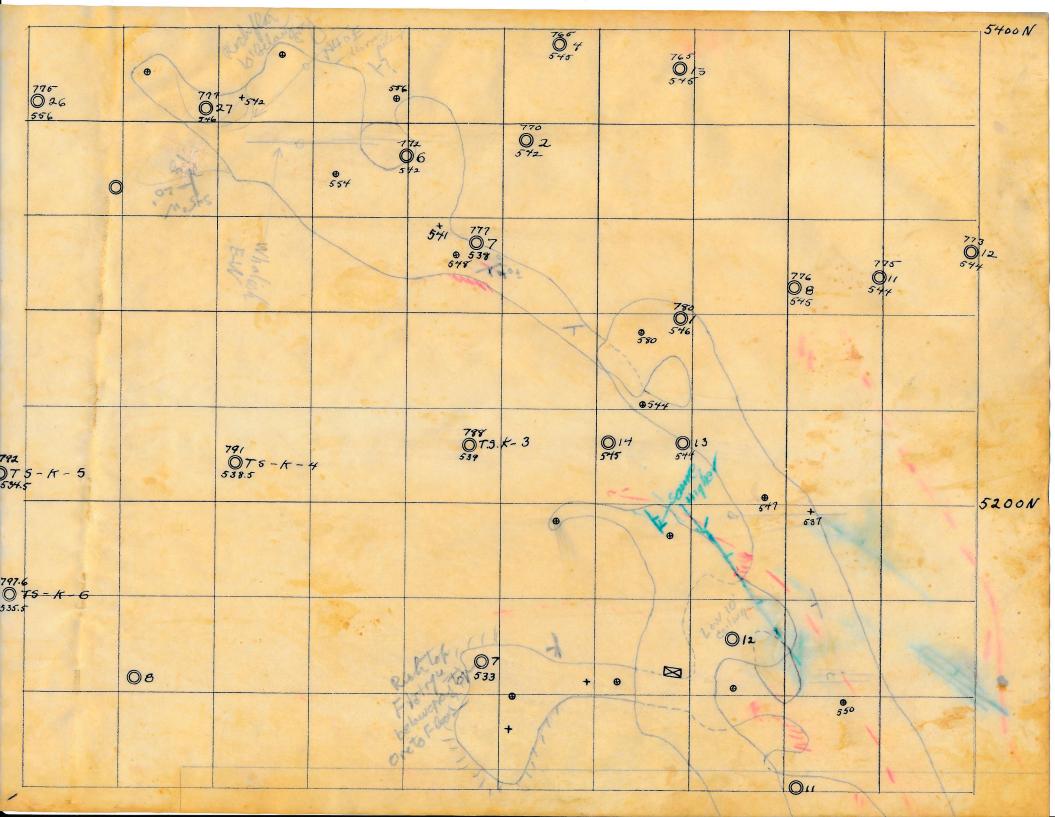
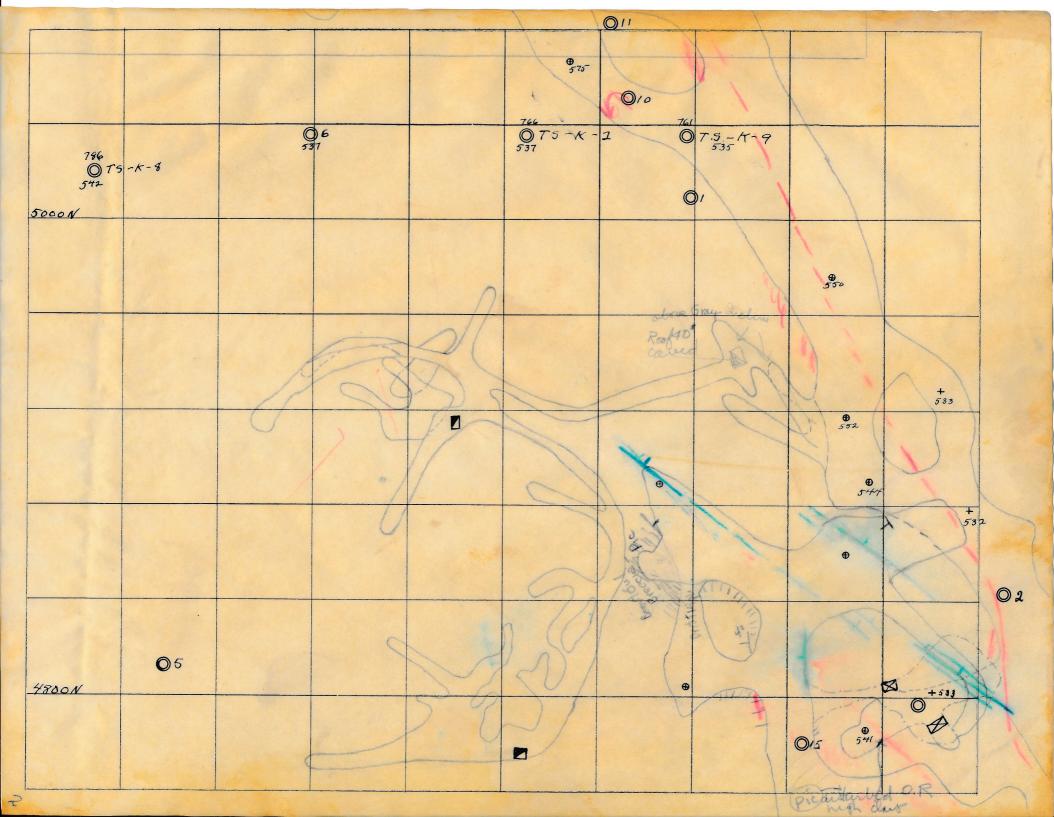
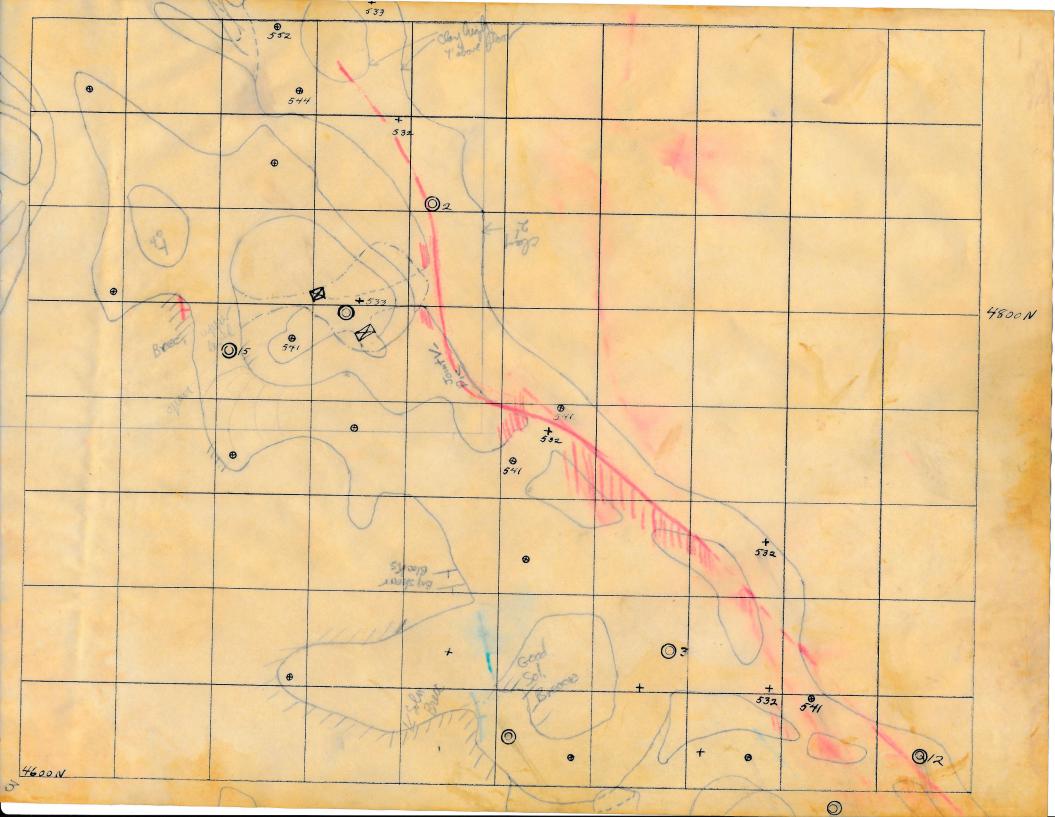
Coord lines & PH. . O.H 0 576 Ð 553 € 547 541 ++1 + 8342 542 Đ358 @ 551. 542 6520 p.H 8.J.41 54 SHOTDOWN 1927 NORTH END BLACKSACK MINE

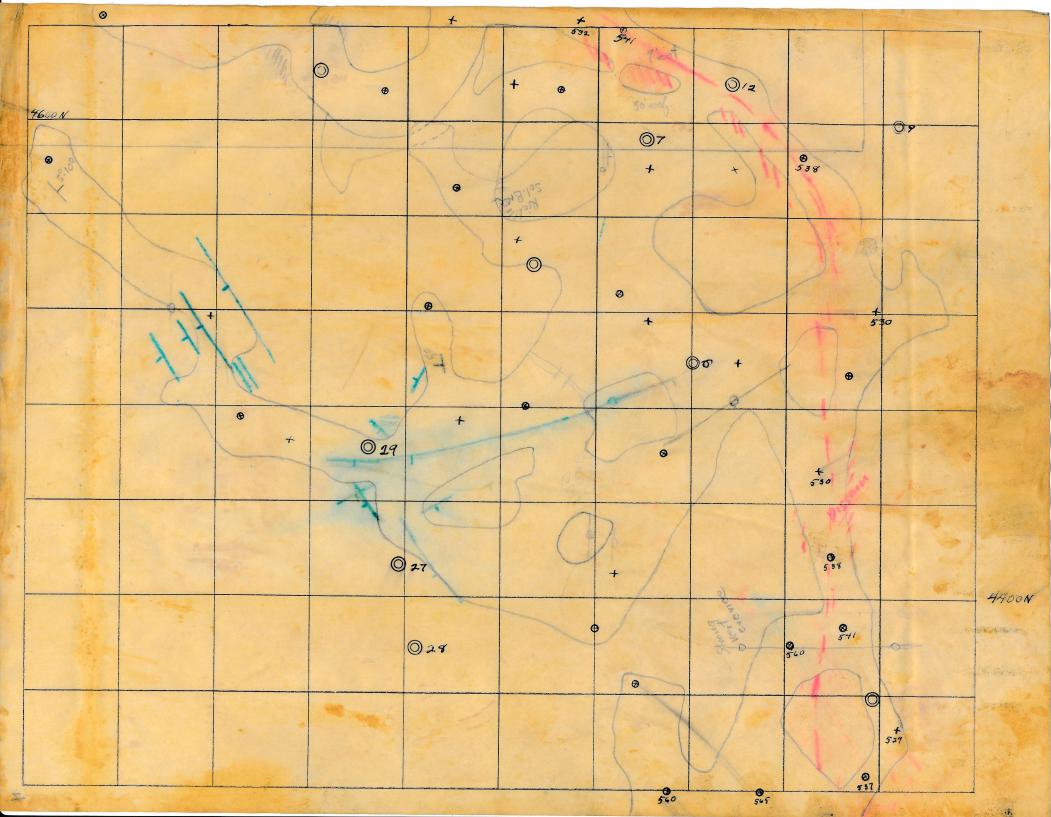


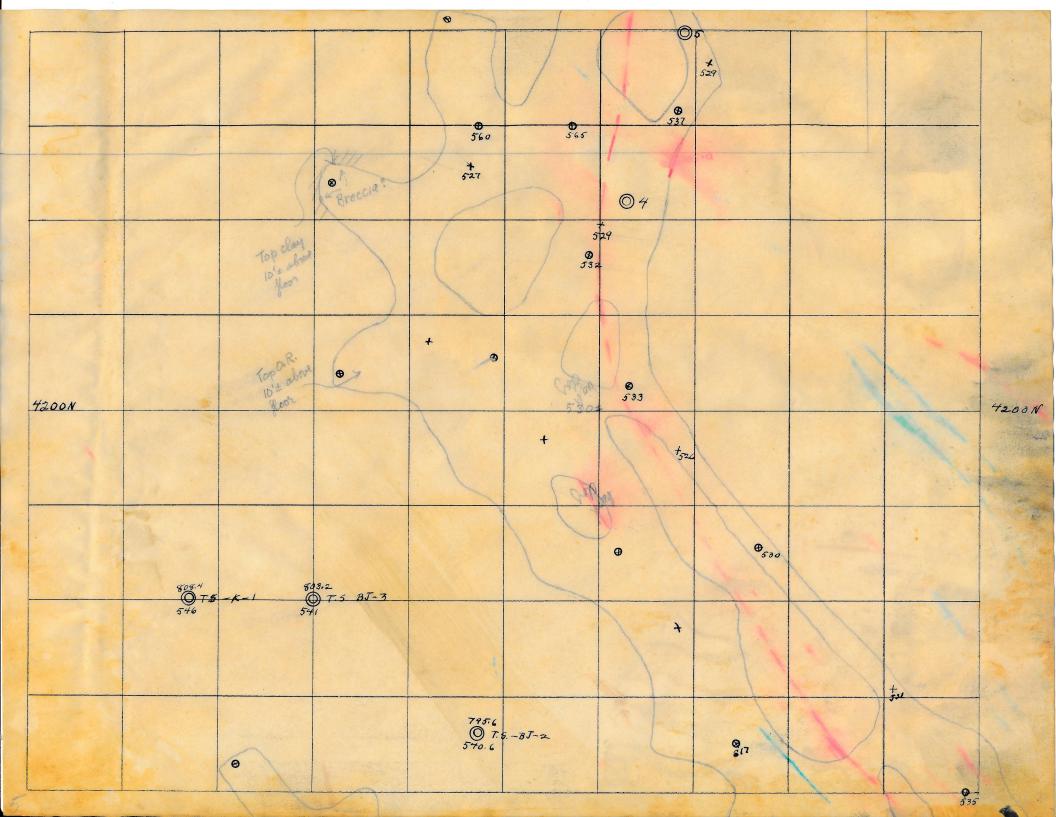


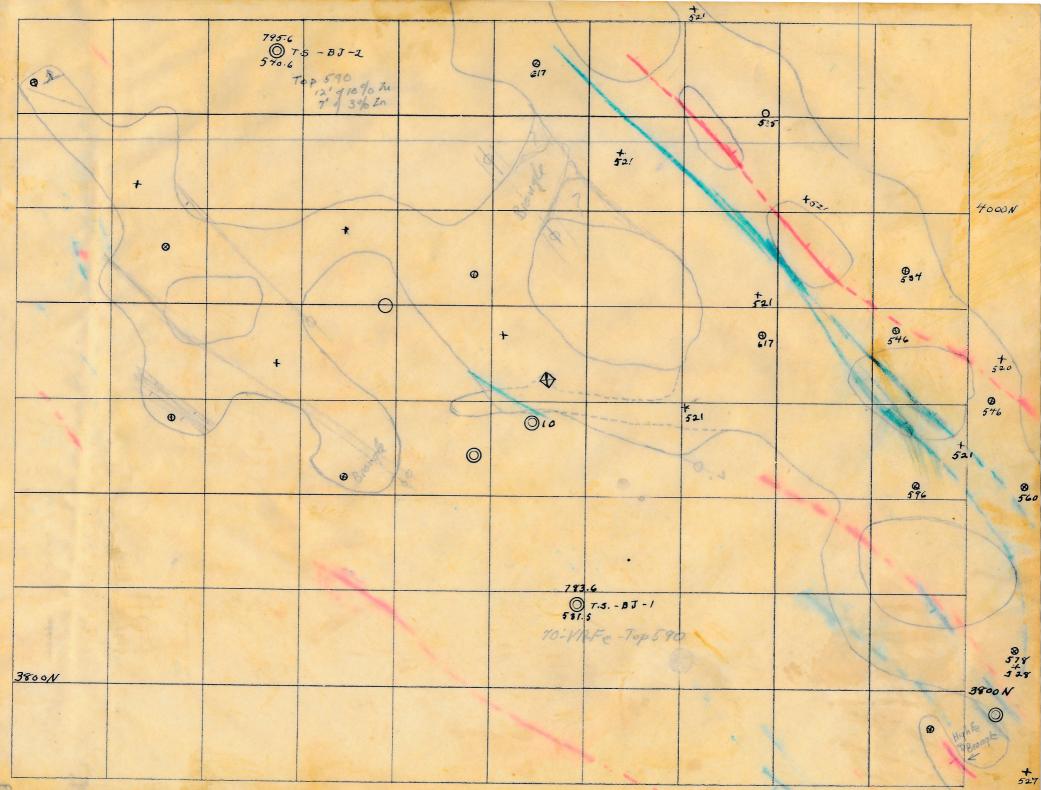


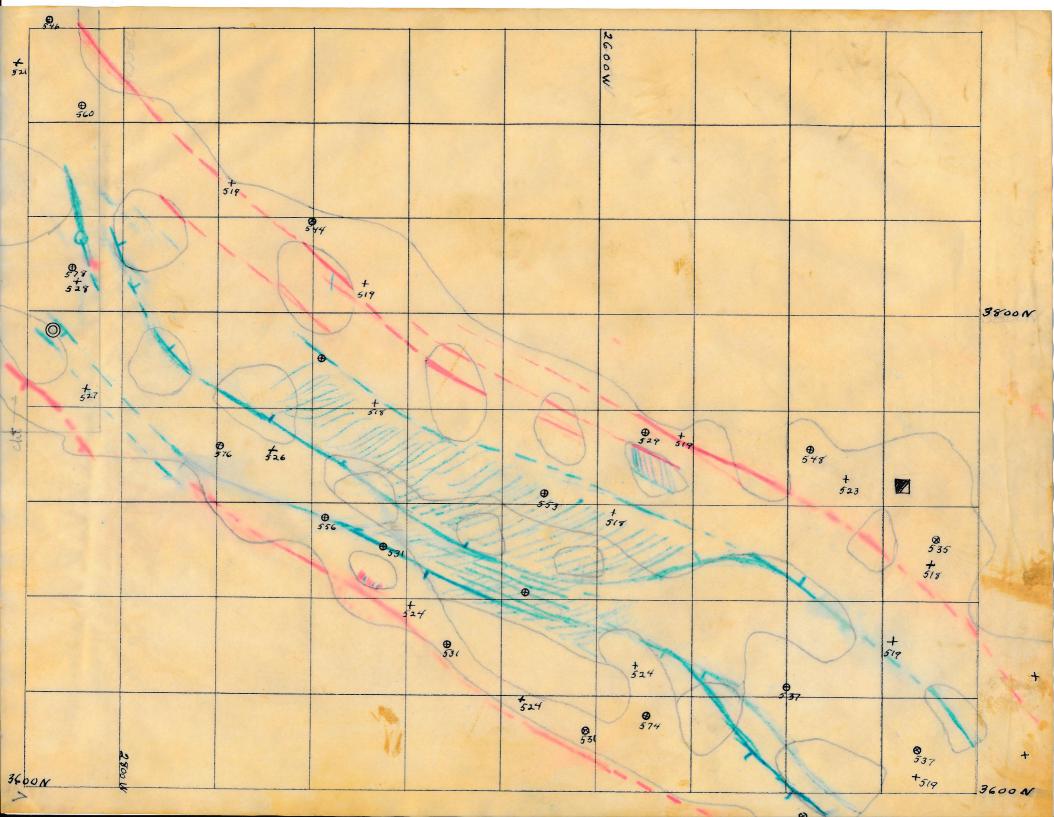


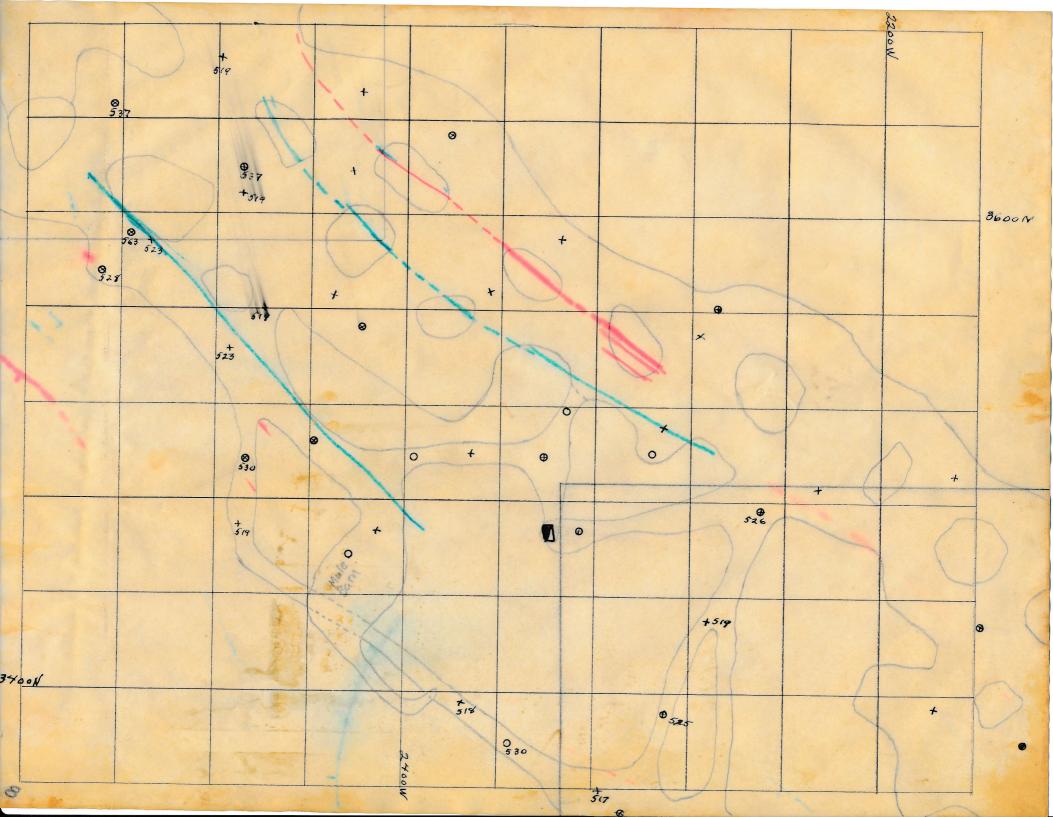


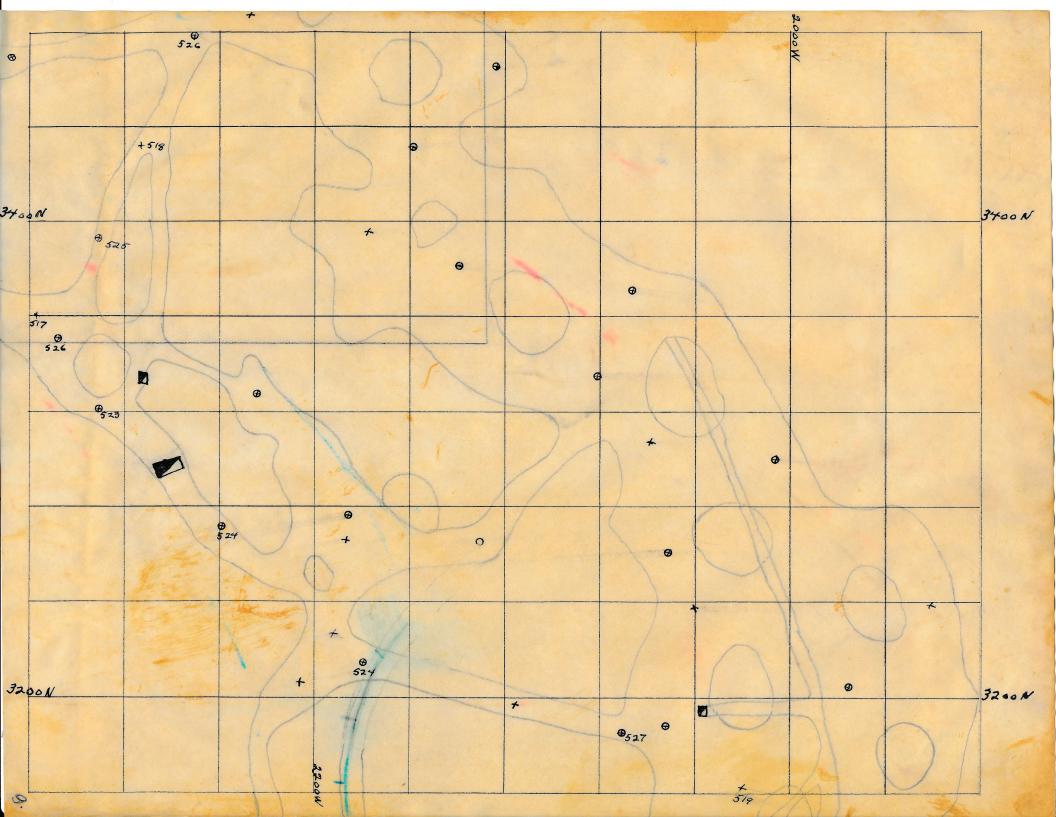


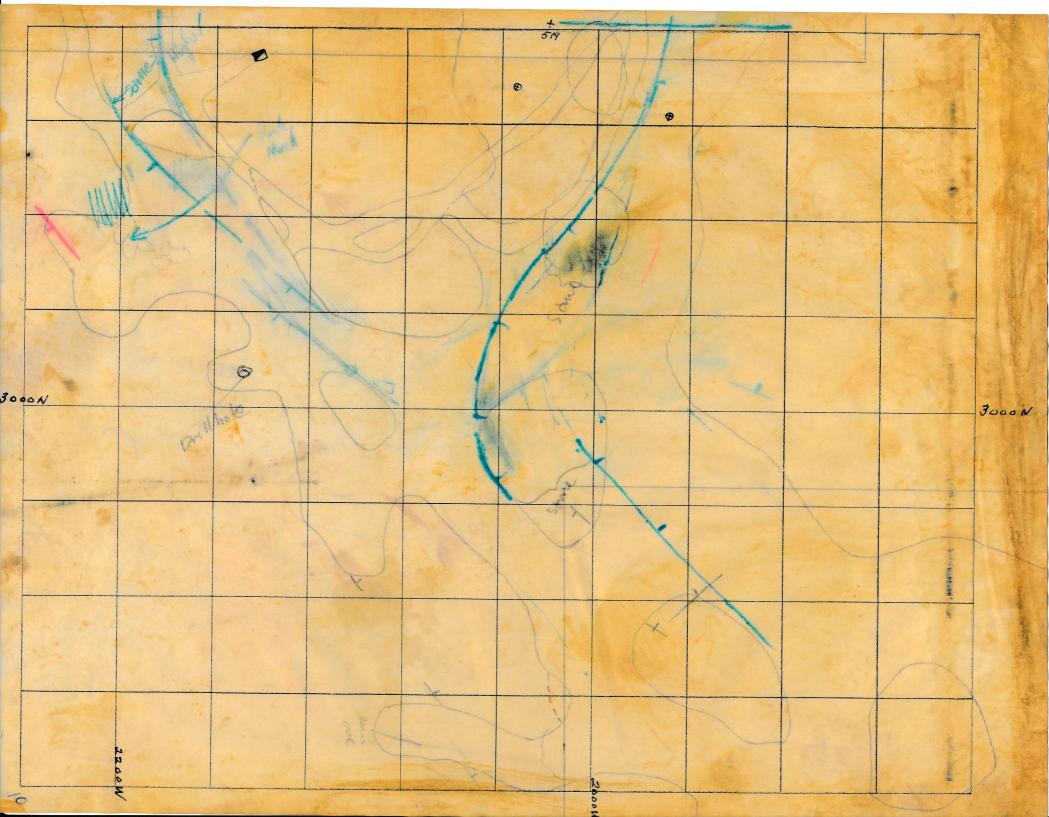


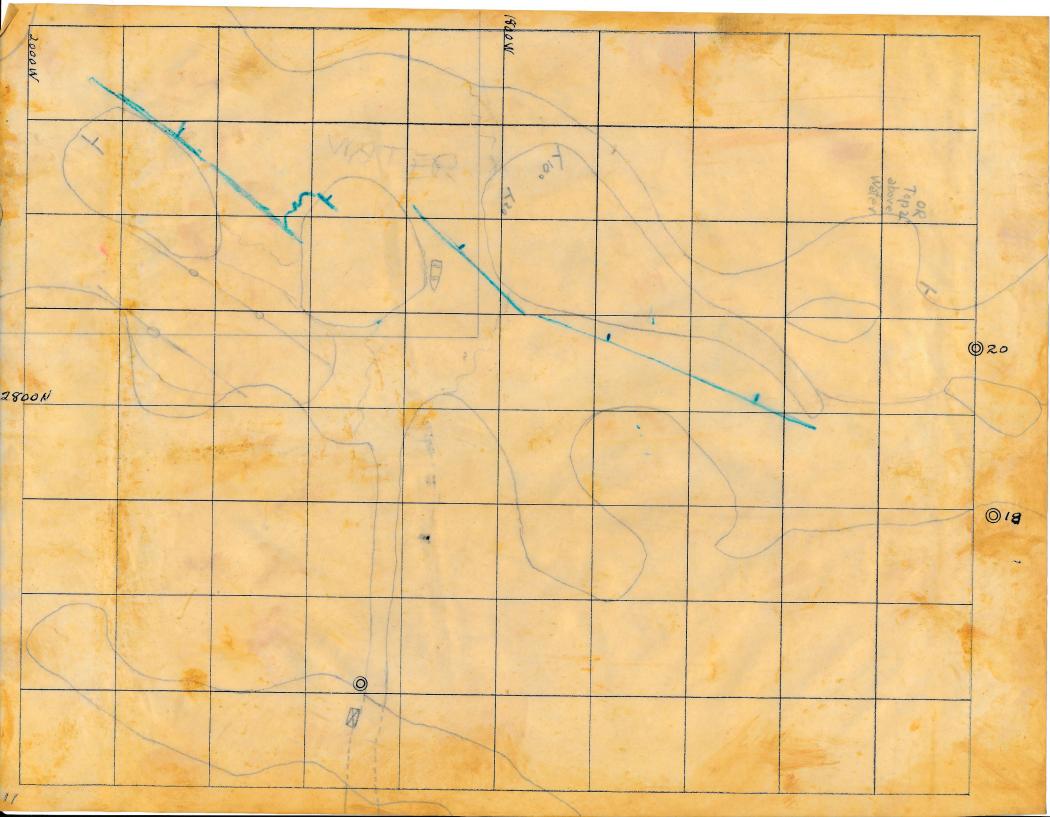


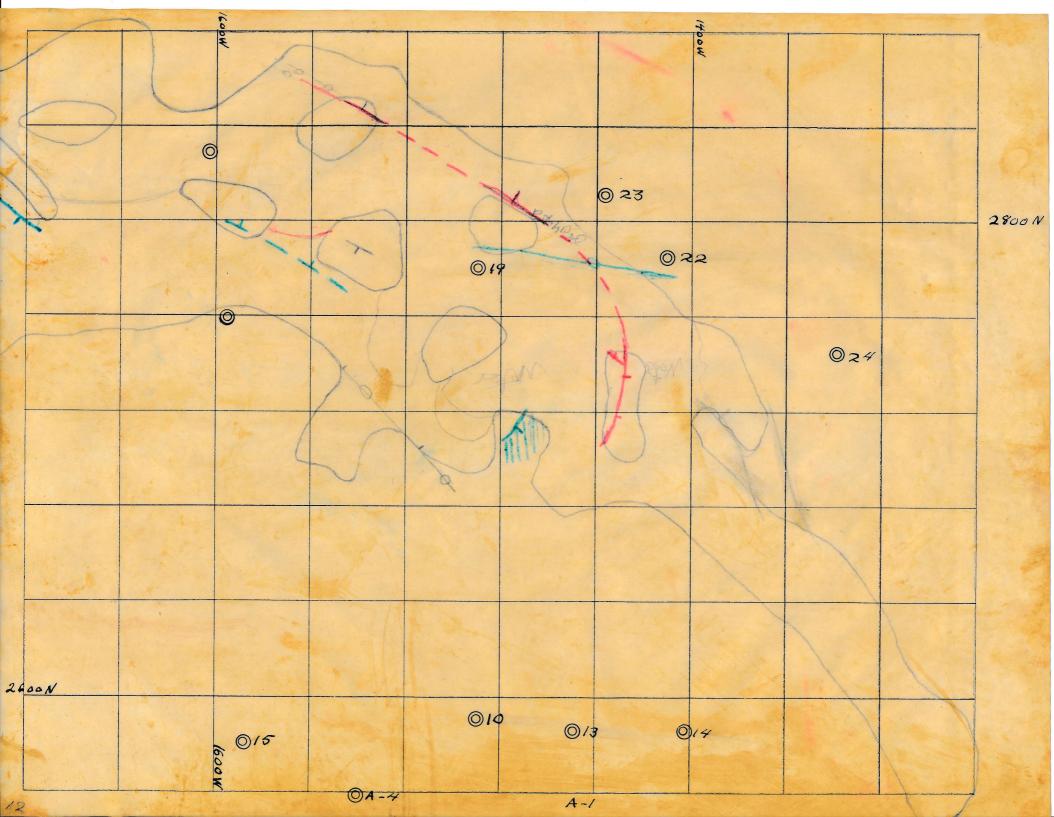


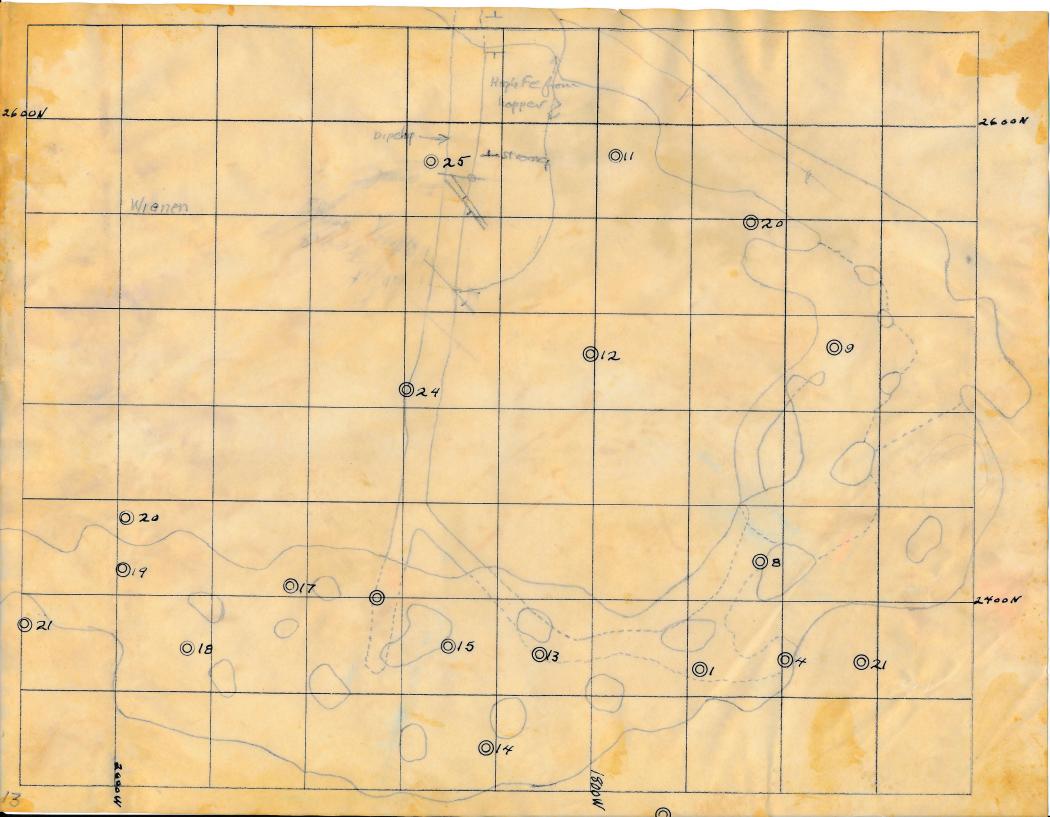


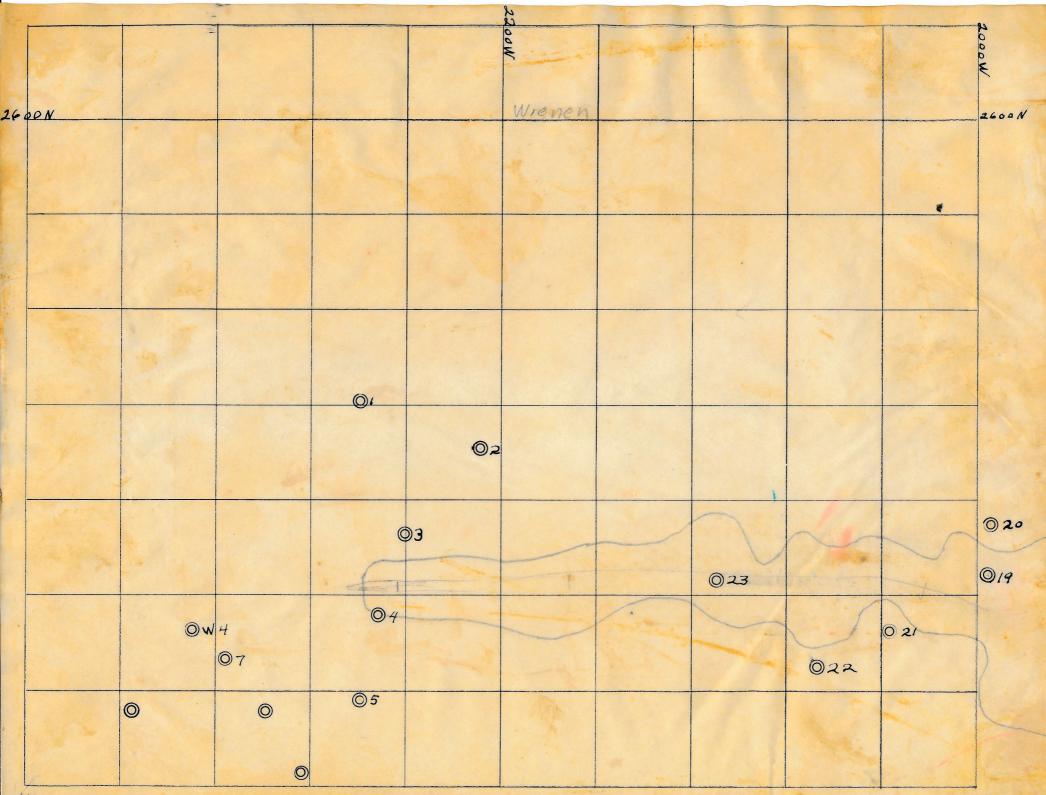












Corlous R.M. Grogen H.M. Joreman T.S.Z.

Observations resulting from five days underground study of the Black Jack Mine Robert M. Grogan and Paul Herbert December 4, 1948

Black Jack ore body possibilities (north to south)

- a) The main ore body on the Martins may offset to the northeast.
- b) The drilled out ore to the west of Marten's workings may be along a northwest loop enclosing boulder breccia type ore.
- c) In the vicinity of the workings around Black Jack drill hole #7 the ore looks of core ground type and a high iron pitch may lie to the west.
- d) The area between Black Jack drill hole #6 and Kipp #5 is bounded by east and west dipping pitches which arejoined by a loop on the southeast. The core ground is apparently a high, boulder breccia ore which may extend throughout the area and on to the northwest.
- e) The offset in the trend of the Black Jack mine near its center high may be related to a northeast-southwest clay bed, and probable Similar offsets may be expected where "Trenton" highs "Trenton" high (are encountered in drilling elsewhere along the trend.
- f) The area mined west of Black Jack #11 is stratigraphically high, zinc-iron-calcite brangle along a set of vertical northwestsoutheast crevices. No evidence of a west pitch was found and the ore appears to be of core ground type. It is conceivable that the missing west pitch may lie in the undrilled area to the west along which an ore body of the Wienen type may exist.

Wienen ore body possibilities

- a) The east arm continues northwest.
- b) The east arm may lie along the west pitch of the Black Jack.
- c) A loop of ore may join the Wienen from near the south end of the Black Jack.
- d) High ore may be endountered in much or all of the ground between the east arm of the Wienen and the Black Jack.

g) The west wall of the mine from the stub drift west of the air hole 230' southeast of Black Jack hole #10, to the westmost stub drift 220' south of the main shaft is characterized by a high iron brangle. In the vicinity of the old high workings above the mulébarn this brangle contains considerable zinc which might also be present in other places. The high stratigraphic position of of the brangle at the mule barn and its occurance in flats may carry its ore west beyond the present mine workings.