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U.S. GEOLOGICAL SURVEY
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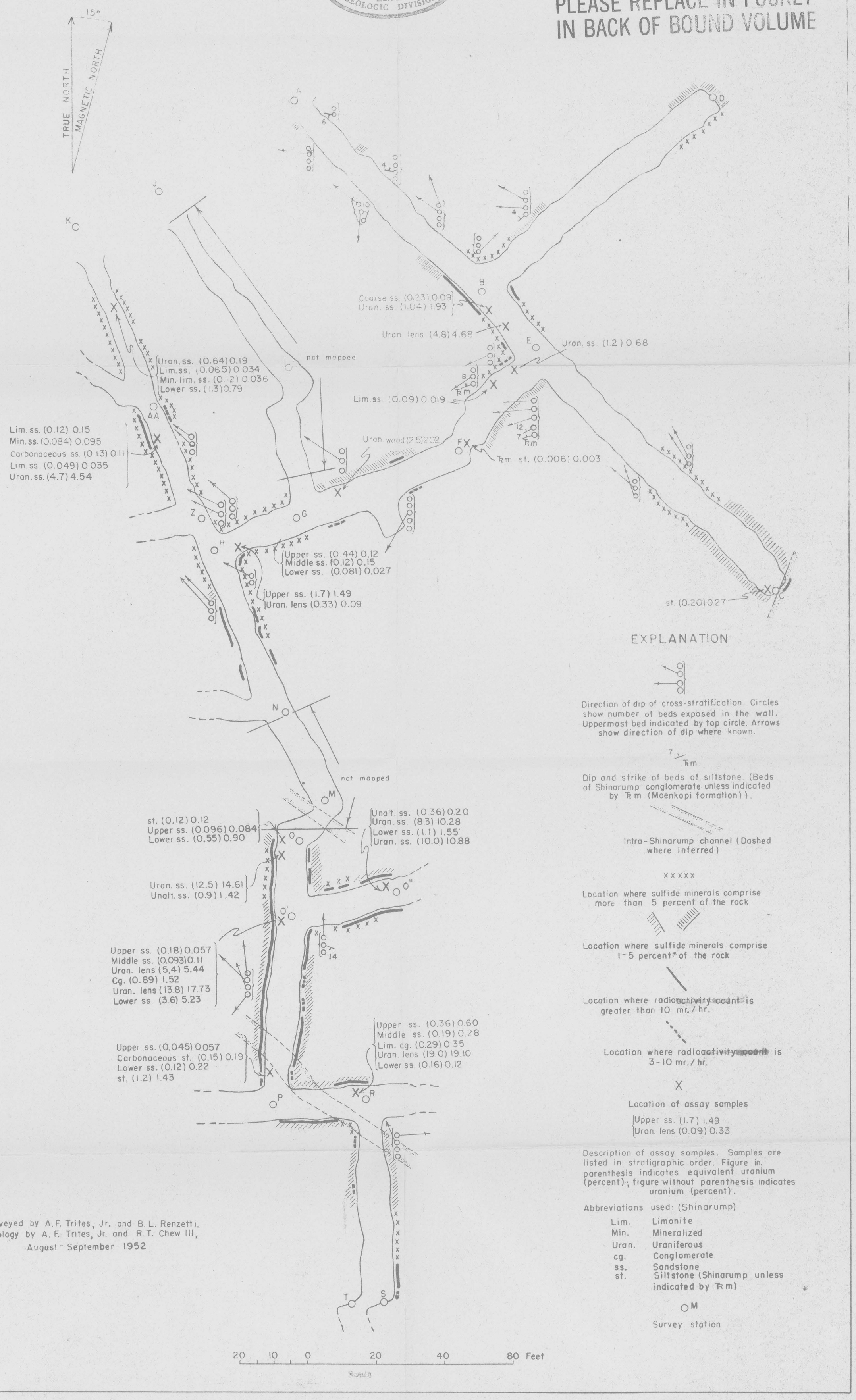

Surveyed by A.F. Trites, Jr. and B.L. Renzetti,
Geology by A.F. Trites, Jr. and R.T. Chew III,
August - September 1952

EXPLANATION

Direction of dip of cross-stratification. Circles show number of beds exposed in the wall. Uppermost bed indicated by top circle. Arrows show direction of dip where known.

7 Ꞧm

Dip and strike of beds of siltstone. (Beds of Shinarump conglomerate unless indicated by Ꞧm (Moenkopi formation)).

Intra-Shinarump channel (Dashed where inferred)

XXXXX

Location where sulfide minerals comprise more than 5 percent of the rock

Location where sulfide minerals comprise 1-5 percent of the rock

Location where radioactivity count is greater than 10 mr./hr.

Location where radioactivity count is 3-10 mr./hr.

X

Location of assay samples

Upper ss. (1.7) 1.49
Uran. lens (0.09) 0.33

Description of assay samples. Samples are listed in stratigraphic order. Figure in parenthesis indicates equivalent uranium (percent); figure without parenthesis indicates uranium (percent).

Abbreviations used: (Shinarump)

Lim.	Limonite
Min.	Mineralized
Uran.	Uraniferous
cg.	Conglomerate
ss.	Sandstone
st.	Siltstone (Shinarump unless indicated by Ꞧm)

○M

Survey station

FIGURE 3. PLAN MAP SHOWING THE TREND OF CROSS-STRATIFICATION, ORE EXPOSURES, AND ASSAY VALUES, HAPPY JACK MINE, SAN JUAN COUNTY, UTAH