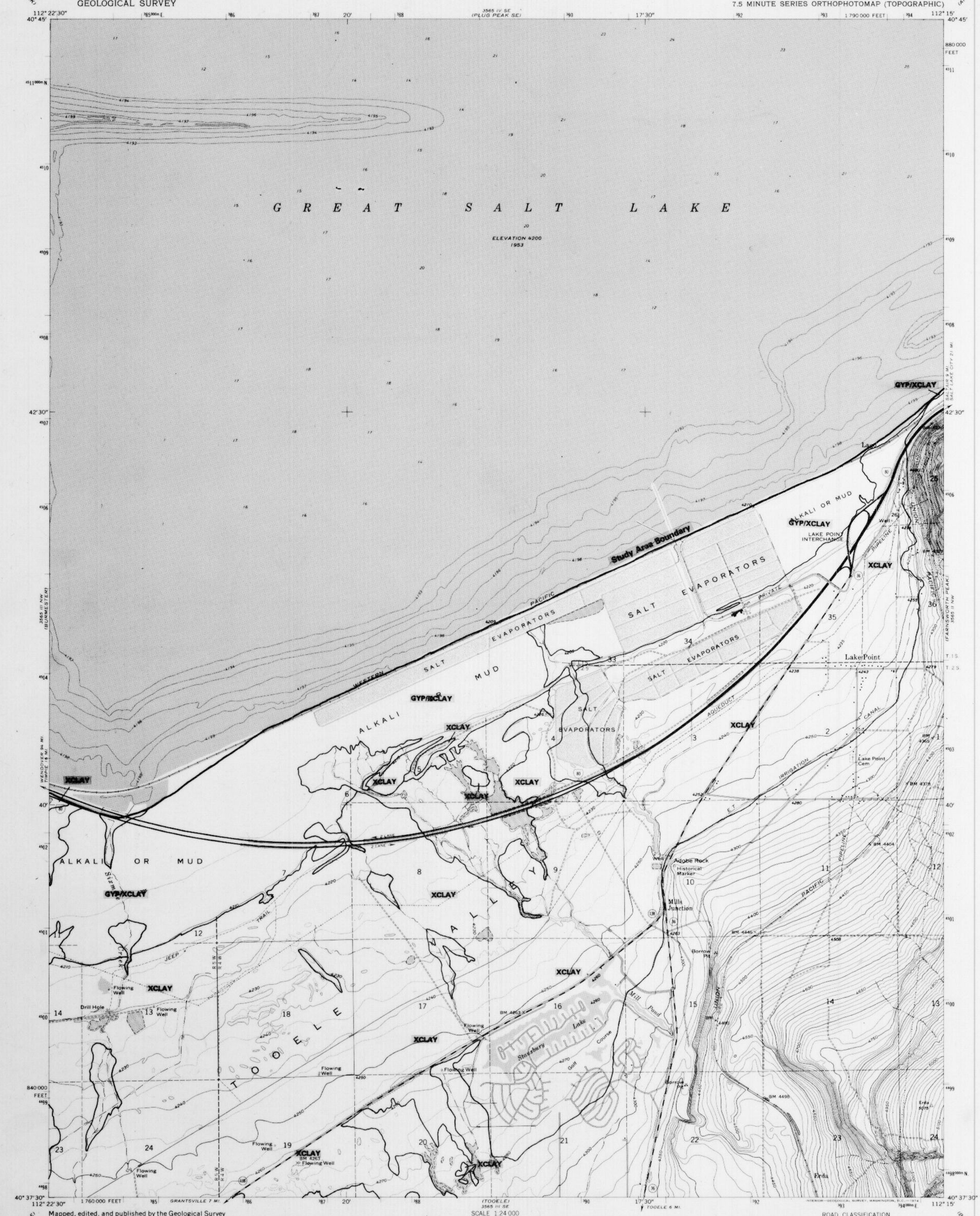
Problem soils, Mills Junction quadrangle, Tooele County, Utah.

COMPILED BY BILL D. BLACK
DRAFTED BY NOAH P. SNYDER

Utah Geological Survey
Open-File Report 318 PLATE 5D
1995

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

MILLS JUNCTION QUADRANGLE
UTAH—TOOELE CO.
7.5 MINUTE SERIES ORTHOPHOTOMAP (TOPOGRAPHIC)



Mapped, edited, and published by the Geological Survey

Control by USGS and USC&GS

Topography by photogrammetric methods from aerial photographs taken 1953 and by planetable surveys 1923–24 and 1955
Revision and orthophotomosaic from aerial photographs taken 1971
Field checked 1972

Underwater contours by photogrammetric methods from aerial photographs taken 1966, 1969, and 1971–72. Soundings compiled from chart furnished by U.S. Naval Reserve

Projection and 10,000-foot grid ticks: Utah coordinate system, central zone (Lambert conformal conic)
1000-meter Universal Transverse Mercator grid ticks, zone 12, shown in blue. 1927 North American datum

UTM GRID AND 1972 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

SCALE 1:24 000

CONTOUR INTERVAL 10 FEET
DOTTED LINES REPRESENT 5-FOOT CONTOURS
DATUM IS MEAN SEA LEVEL
SOUNDINGS IN FEET—DATUM IS LAKE ELEVATION 4200 FEET

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR WASHINGTON, D. C. 20242
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

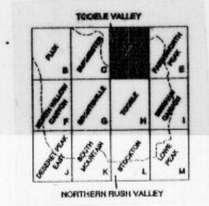
QUADRANGLE LOCATION

ROAD CLASSIFICATION

Primary highway, hard surface — Light-duty road, hard or improved surface
Secondary highway, hard surface — Unimproved road
Interstate Route — U. S. Route — State Route

MILLS JUNCTION, UTAH
N4037.5—W11215/7.5
1972
AMS 3565 III NE SERIES V8970

EXPLANATION

XCLAY	Possible expansive soil.
GYP	Possible gypsiferous soil.
GYP/XCLAY	Both possible gypsiferous and expansive soils.

Note: A standard soil investigation is recommended in all areas, including those where expansive and gypsiferous soils are not present (see table 1).