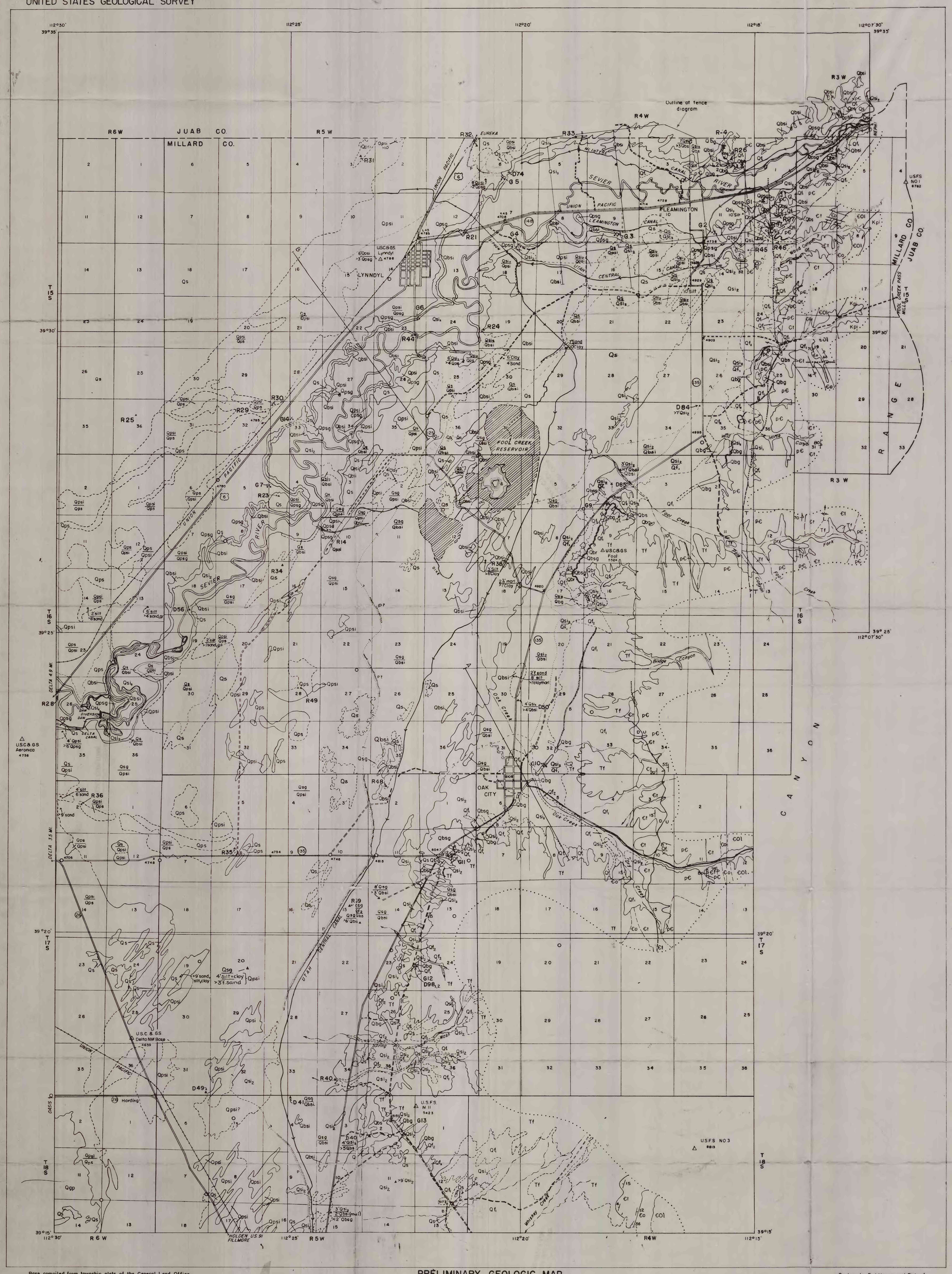
DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

51-12



Base compiled from township plats of the General Land Office, U.S. Bureau of Reclamation planimetric maps, and aerial photographs, combined and adjusted to planetable triangulation.

PRELIMINARY GEOLOGIC MAP
SURFICIAL DEPOSITS OF THE OAK CITY AREA
MILLARD COUNTY, UTAH

SCALE 1:48,000

1 ½ 0 1 2 3 4 5 MILES

2000 0 2000 4000 6000 8000 10,000 12,000 14,000 FEET

TRUE NORTH
MAGNETIC NORTH
16½°

APPROXIMATE MEAN DECLINATION 1945
ANNUAL MAGNETIC CHANGE 14' DECREASE

Geology by D. J. Varnes and Richard Van Horn, assisted by L. M. Tucker and P. L. Weiss, 1948, 1949

Data on Tertiary and older rocks of the Canyon Range added from previous mapping by F. W. Christiansen, Univ. of Utah.

51-12

EXPLANATION

Unconsolidated materials

QUATERNARY

Recent

Gypsite

Dune sand

Sand with some gravel

Late alluvial silt

Late alluvial fan

Pleistocene — Wisconsin stage

Provo silt

Provo sand

Provo sand and gravel

Bonneville sand

Bonneville sand and gravel

Bonneville gravel

Bonneville rubble

Bonneville silt and clay

Early alluvial silt

Early alluvial fan

Consolidated Tertiary and older rocks

TERTIARY

Fool Creek conglomerate

Price River (?) and Indianola group

CRETACEOUS

Limestone and dolomite undivided

CAMBRIAN

Ophir formation

Tintic quartzite

PRE-CAMBRIAN

Undifferentiated shale, quartzite, conglomerate, and limestone.

Contact
Dashed where approximately located

Contact
indefinite, inferred, or gradational between surficial deposits

Contact, concealed

Fault
Dashed where approximately located. U, upthrown side; D, downthrown side.

Fault, concealed

Thrust fault
T, upper plate

Syncline
showing axial plane and direction of plunge of axis.

Strike and dip of beds

Strike and dip of overturned beds

Bonneville shoreline

Provo shoreline

Limit of geologic map

Gravel pit with sample number

One map unit symbol placed over another indicates that a thin layer, generally a few to 10 feet thick, of the map unit shown by the top symbol overlies the map unit shown by the lower symbol. Where the upper unit thickens to more than a few feet, a double dot boundary (.....) is shown, and symbol for underlying unit is dropped.

Abbreviated log
Shows stratigraphic sequence and thickness, in feet, of surficial deposits. Symbol > means greater than.

Sample location

Planetable control point

Triangulation station

Benchmark

State

U.S.

Unimproved

Roads

Irrigation canal

Stream

Pond

Intermittent reservoir

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SALT LAKE CITY

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OPEN FILE REPORT
This map is preliminary and has not been edited or reviewed for conformity with Geological Survey standards or nomenclature.

Oak City 1951