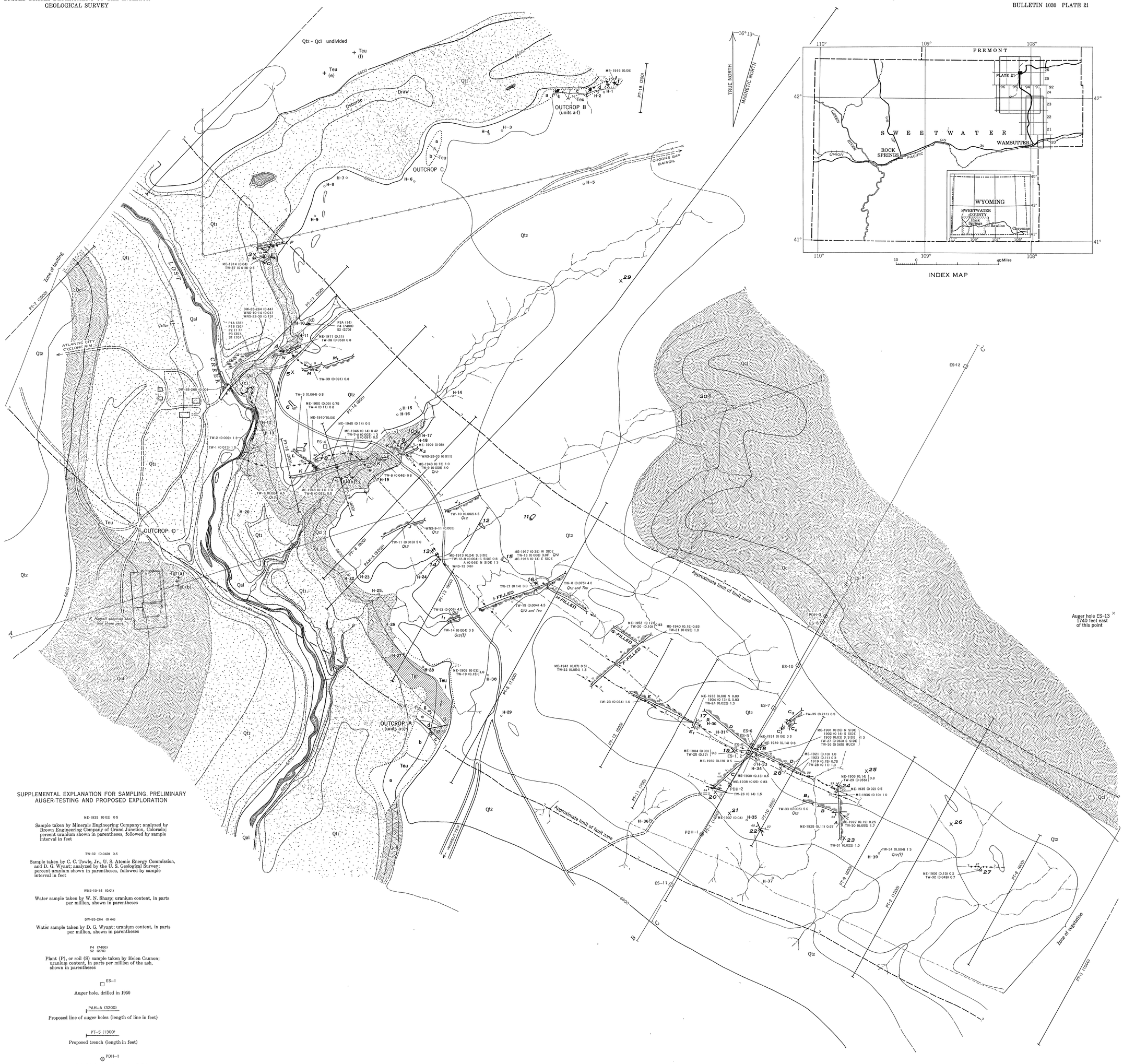


INDEX MAP

EXPLANATION

Recent

Qal — Alluvium
Largely brown to white coarse sand and gravel, of undetermined thickness, occupying the present bed of Lost Creek

Qt1 — Terrace deposit
Brown or drab fluvial silt and varvelike bands of humus. A terrace 10-17 feet above the Recent alluvium is the upper surface of the deposit; the base of the deposit is concealed

Qcl — Colluvium
Slope wash from overlying units

Pleistocene

Qtz — Terrace deposit
Fluvial coarse white sand and green or brown clay and silt. Its maximum thickness is about 6 feet. The surface of the deposit is from 17 to 40 feet above Recent alluvium

QUATERNARY

Eocene

Teu — Sedimentary rocks undifferentiated
Probably includes facies of Wasatch, Green River, and lower Bridger formations. The sediments are green and brown claystone, green siltstone, and green to buff sandstone and gravel. Some of these sedimentary rocks have been mapped and are shown as units; for example, in outcrop A, "units a to i"

Tgr — Green River formation
Includes only lacustrine gray-to-brown platy shale. Other facies of the formation are included in "Sedimentary rocks undifferentiated"

TERTIARY

Gradational contact
Questioned where inferred

Fault, showing dip

Probable fault

Strike and dip of bed

Exposed ore body, showing dip
Schroeckingerite in platy gray or brown shale, overlying iron-stained solution zone in white or brown sandstone. Exceptions to this lithology are noted

Ore body projected

Ore body not exposed, schroeckingerite observed in dump

Teu (b) Outcrop
Too small to show contacts

OUTCROP A
Area in which bedrock crops out

Bulldozer cut and dump

Prospect pit and dump

Trench and dump

H-37 Auger hole

Vegetation boundary

Section C-C′ shown on plate 22

Geologic sections of trenches *C.E.E1.L.N* shown on plate 20

Auger hole ES-13 1740 feet east of this point

SUPPLEMENTAL EXPLANATION FOR SAMPLING, PRELIMINARY AUGER-TESTING AND PROPOSED EXPLORATION

ME-1935 (0.02) 0.5
Sample taken by Minerals Engineering Company; analyzed by Brown Engineering Company of Grand Junction, Colorado; percent uranium shown in parentheses, followed by sample interval in feet

TW-32 (0.049) 0.5
Sample taken by C. C. Towle, Jr., U. S. Atomic Energy Commission, and D. G. Wyant; analyzed by the U. S. Geological Survey; percent uranium shown in parentheses, followed by sample interval in feet

WNS-10-14 (0.01)
Water sample taken by W. N. Sharp; uranium content, in parts per million, shown in parentheses

DW-85-264 (0.44)
Water sample taken by D. G. Wyant; uranium content, in parts per million, shown in parentheses

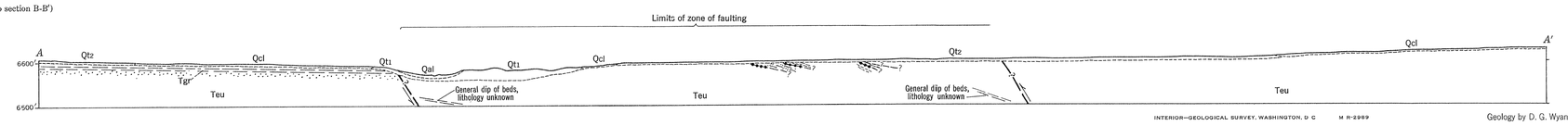
P4 (7400)
S2 (270)
Plant (P), or soil (S) sample taken by Helen Cannon; uranium content, in parts per million of the ash, shown in parentheses

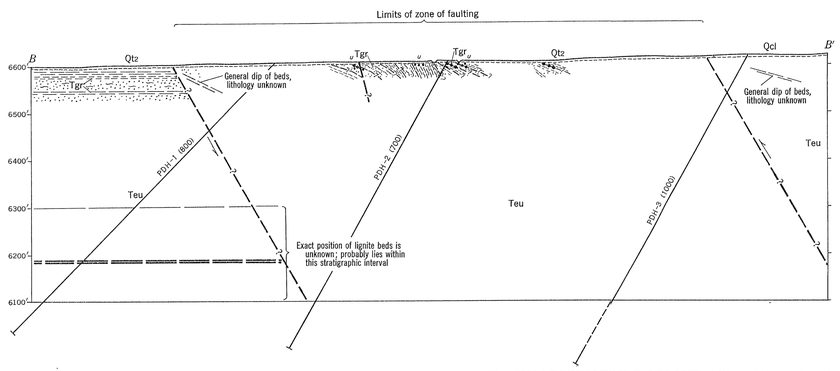
ES-1
Auger hole, drilled in 1950

PAH-A (3200)
Proposed line of auger holes (length of line in feet)

PT-5 (1300)
Proposed trench (length in feet)

PDH-1
Proposed drill hole (see also section B-B′)





EXPLANATION FOR SECTIONS

Claystone
Sandstone
Siltstone
Platy shale

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C. M R-2989

Geology by D. G. Wyant and D. M. Sheridan

MAP AND SECTIONS SHOWING ASSAYS AND PROPOSED EXPLORATION, LOST CREEK SCHROECKINGERITE DEPOSIT, SWEETWATER COUNTY, WYOMING

100 0 1000 Feet

Contour interval 5 feet