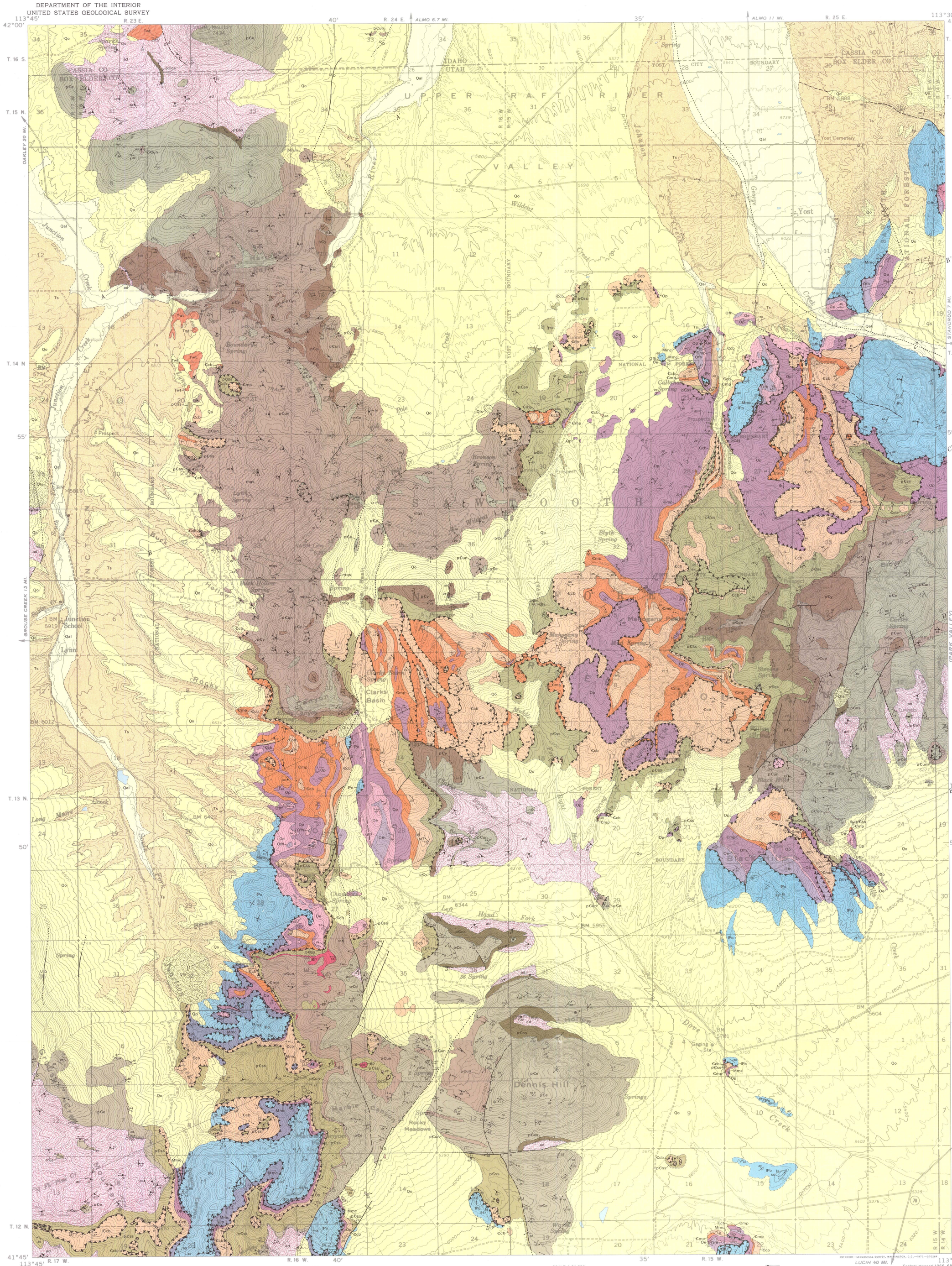
DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

MISCELLANEOUS GEOLOGIC INVESTIGATIONS
MAP I-672 (SHEET 1 OF 2)



Base from U.S. Geological Survey, 1:62 500, 1960

Geology mapped 1966–68

APPROXIMATE MEAN DECLINATION, 1971

SCALE 1:31 680

1 ½ 0 1 MILE

1 .5 0 1 KILOMETER

CONTOUR INTERVAL 40 FEET
DATUM IS MEAN SEA LEVEL

QUADRANGLE LOCATION

EXPLANATION

SEDIMENTARY AND VOLCANIC ROCKS

QUATERNARY

- Qal — Modern alluvium
- *UNCONFORMITY*
- Qo — Older alluvium and contiguous colluvium and fan deposits
- *UNCONFORMITY*
- Qls — Landslide deposits

TERTIARY

- Ts — Tuffaceous sediments and conglomerate
- Twt — Welded dacite tuff

SEDIMENTARY ROCKS

UNCONFORMITY

PENNSYLVANIAN

- Ꝑo ss/ls — Oquirrh(?) Formation
  ss/ls, *locally mapped contact between limestone and sandstone subunits*

Thrust fault

MISSISSIPPIAN(?)

- Mmc — Metamorphosed Manning Canyon(?) Shale

ORDOVICIAN(?)

- Ofh — Metamorphosed Fish Haven(?) Dolomite
- Oe — Metamorphosed Eureka(?) Quartzite
- Op — Metamorphosed limestone of the Pogonip(?) Group

CAMBRIAN(?)

- Ꞓmp — Schist of Mahogany Peaks
- Ꞓcb — Quartzite of Clarks Basin
  Thrust commonly lies near this contact
- p€ss — Schist of Stevens Spring

PRECAMBRIAN(?)

- p€y — Quartzite of Yost
- mqs / p€un — Schist of the Upper Narrows
  mqs, *muscovite-quartz schist member*
- p€e — Elba Quartzite
- *UNCONFORMITY*

PRECAMBRIAN

- p€os — Older schist

INTRUSIVE IGNEOUS ROCKS

AGE UNKNOWN

- ad — Metamorphosed adamellite
- gp — Metamorphosed granite porphyry

Contact
Solid where located within 0.05 inch; long dashed within 0.1 inch; short-dashed where approximate; dotted beneath mapped units; queried where doubtful

High-angle fault
Dashed where located less accurately than 0.1 inch; dotted beneath mapped units; queried where doubtful. U, upthrown side; D, downthrown side; arrows indicate relative movement

Thrust fault
Dashed where located less accurately than 0.1 inch. Sawteeth on upper plate

Anticline
Showing trace of axial surface

Syncline
Showing trace of axial surface

Axis of minor syncline
Showing plunge

Note: Axial traces of folds are not shown on the main geologic map but are plotted to scale on figures 1 and 2 in accompanying pamphlet

Inclined — Vertical — Horizontal — Overturned
Strike and dip of beds

Inclined
Strike and dip of metamorphic foliations

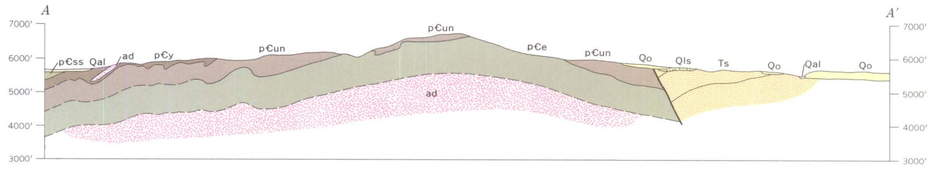
Inclined — Horizontal
Bearing and plunge of lineation
May be combined with bedding or foliation symbols

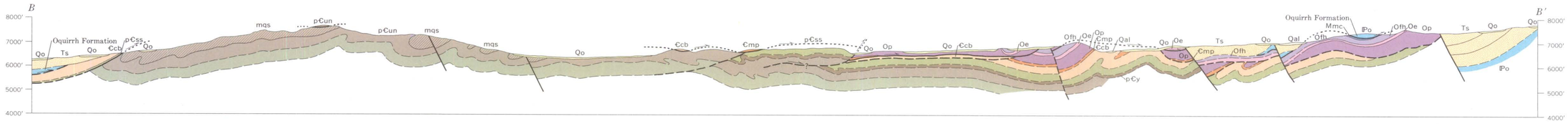
GEOLOGIC MAP OF THE YOST QUADRANGLE, BOX ELDER COUNTY, UTAH, AND CASSIA COUNTY, IDAHO

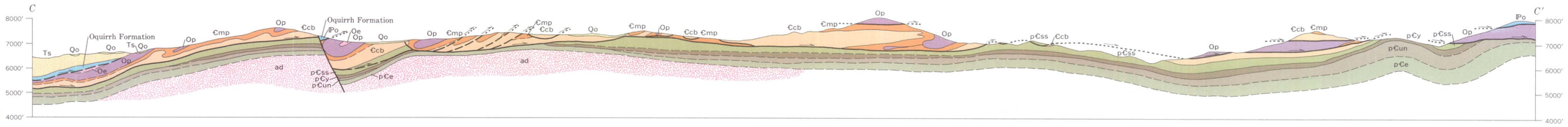
By
Robert R. Compton

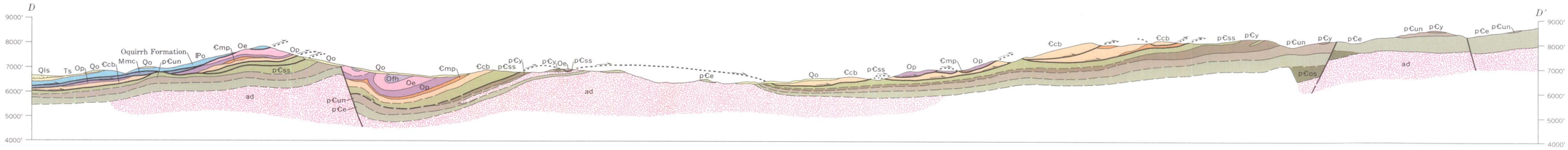
1972

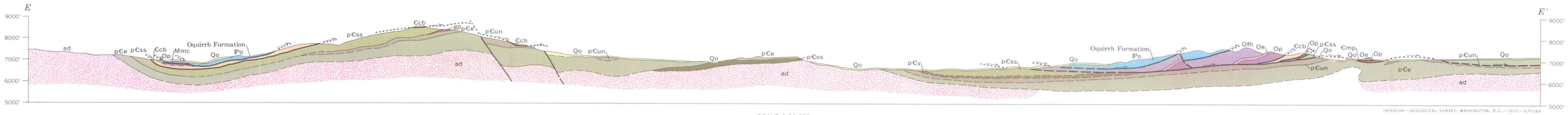
For sale by U.S. Geological Survey, price $1.25 per set
Explanatory pamphlet accompanies map
Structure sections on sheet 2











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1 ½ 0 1 MILE

1 .5 0 1 KILOMETER

DATUM IS MEAN SEA LEVEL

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D.C.—1972—G70264

Explanatory pamphlet accompanies map

Structure sections to accompany

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