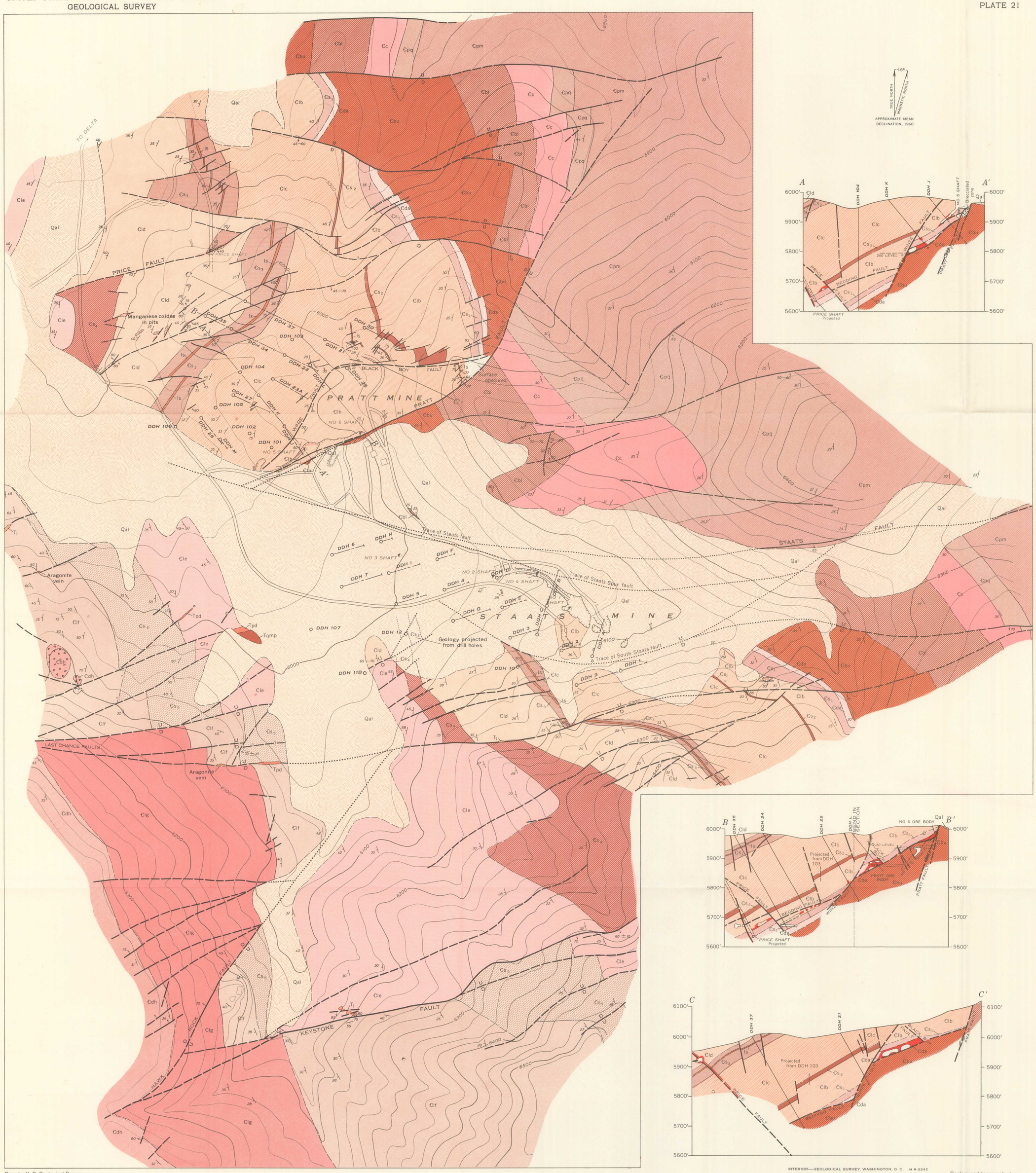

EXPLANATION

QUATERNARY

Qal — Alluvium
Slope wash and valley fill

Tj — Jasperoid
Irregular masses of iron-stained quartz or chalcedony

TERTIARY(?)

Tpd — Pebble dike
Tabular bodies containing quartzite pebbles and other rock fragments in a siliceous matrix

Tqmp — Quartz monzonite porphyry

CAMBRIAN

Ꞓdh — Dolomite H
Massive brown-weathering dolomite

Ꞓlg — Limestone G
Upper part, medium-bedded blue-gray limestone; lower part, thin-bedded platy limestone

Ꞓlf — Limestone F
Thick-bedded blue-gray limestone

Ꞓs5 — Shale 5
Green and gray shale with thin beds of limestone

Ꞓle — Limestone E
Thick-bedded gray oolitic and pisolitic limestone

Ꞓs4 — Shale 4
Greenish-gray to brown-weathering shale with some thin-bedded blue-gray limestone

Ꞓld — Limestone D
Massive blue-gray oolitic and pisolitic limestone

Ꞓs3 / ls — Shale 3
Thin-bedded calcareous shale. A 2-foot oolitic limestone member 27 feet above the base

Ꞓlc / ls — Limestone C
Thin-wavy-bedded blue-gray limestone; massive 2-foot member mapped separately near Pratt mine

Ꞓs2 — Shale 2
Brown-weathering micaceous shale

Ꞓlb / ls — Limestone B
Massive blue-gray pisolitic limestone, 8 feet of brown-weathering dolomite at base. A 2-foot bed mapped separately near the Pratt mine

Ꞓs1 — Shale 1
Fine-grained shale and shaly sandstone

Ꞓda — Dolomite A
Brown-weathering impure dolomite and crossbedded dolomitic sandstone

Ꞓbl / Ꞓbu — Busby(?) quartzite
Upper part, fine- to medium-grained gray sandstone and quartzite, Ꞓbu; lower part, medium-grained white quartzite and some sandy shale, Ꞓbl

Ꞓc — Cabin shale
Olive-green micaceous shale, sandstone, and quartzite

Ꞓpq / Ꞓpm — Prospect Mountain quartzite
White, pink, or gray medium- to coarse-grained brown-weathering quartzite, crossbedded, locally conglomeratic. Red to black hematitic quartzite member, Ꞓpq, mapped separately at top

Manganese oxides

Contact
Dashed where approximately located; dotted where projected

Fault, showing dip
Dashed where approximately located; dotted where concealed. U, upthrown side; D, downthrown side

Strike and dip of beds

Opencut

Vertical shaft

Dump

Inclined shaft

Vertical drill hole — DDH J

Slumped block

Projection of inclined drill hole — DDH 105

Base by U. S. Geological Survey planetable method, 1941

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C. M R-3342

Geology and topography by John A. Straczek, Si Greenhalgh, and M. W. Cox, 1941; sections by M. D. Crittenden, Jr., 1946

GEOLOGIC MAP AND SECTIONS OF THE STAATS-PRATT MINE AREA, JUAB COUNTY, UTAH

SCALE 1:2400

100 0 100 200 300 400 500 600 700 800 FEET

CONTOUR INTERVAL 25 FEET
DATUM IS APPROXIMATE MEAN SEA LEVEL