PRELIMINARY GEOLOGIC MAP OF THE HUSTON LAKE 7 ½' QUADRANGLE, CROOK COUNTY, OREGON

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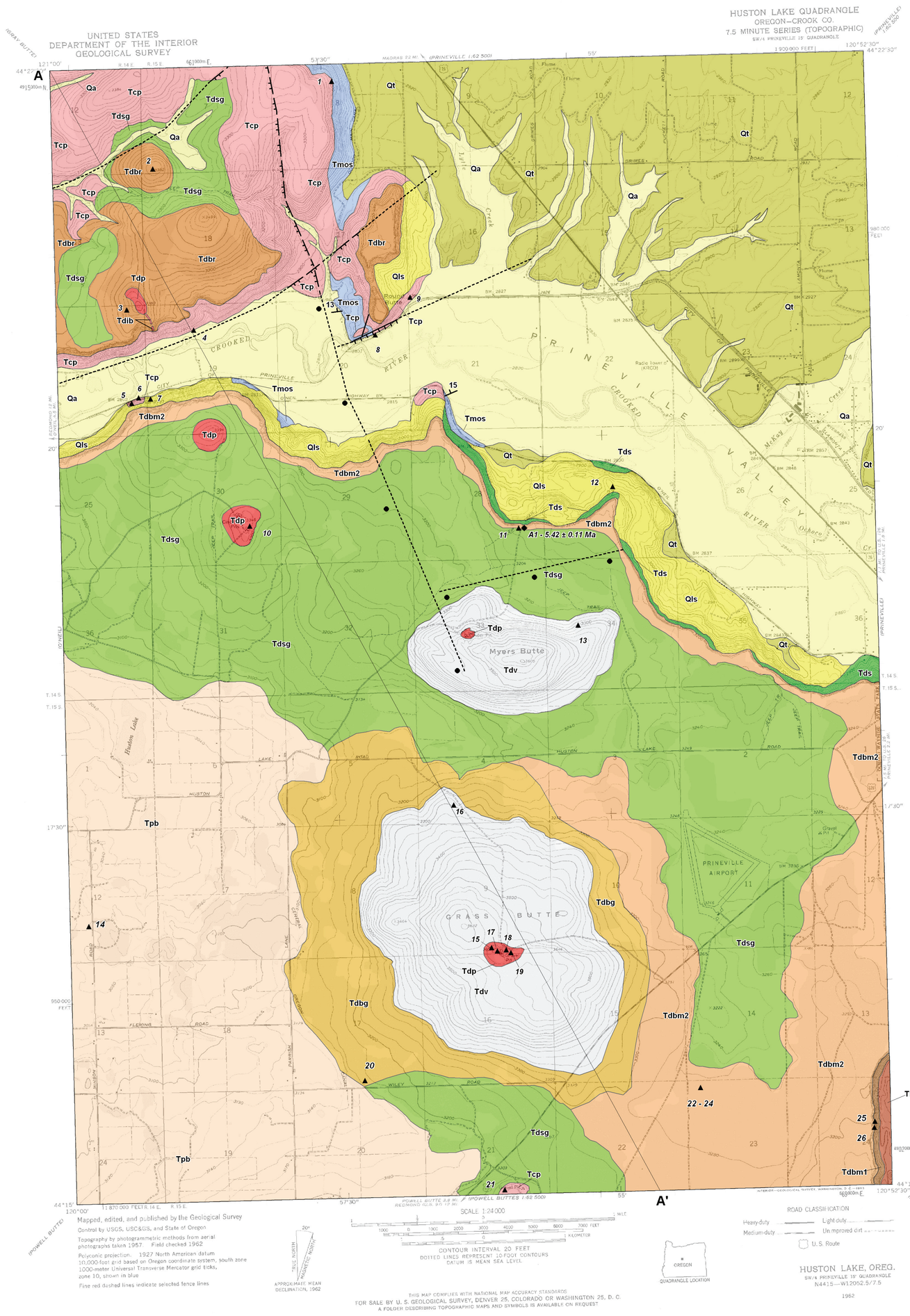
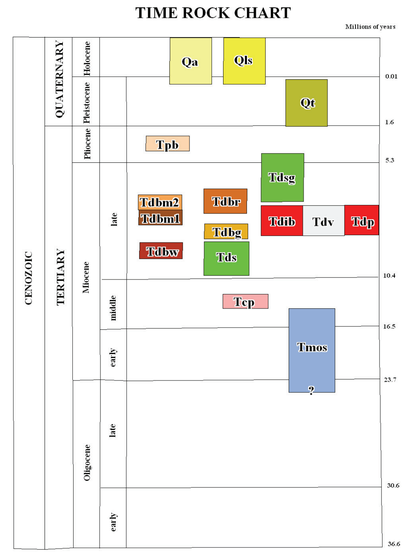
DRAFT



TIME ROCK CHART



After Berggren and others, 1985 and Kent and Gradstein, 1985

EXPLANATION OF MAP UNITS

(full description of units in accompanying text)

Surficial Deposits

- Qa — Stream alluvium (Holocene and Pleistocene)
- Qls — Landslide deposits (Holocene and Pleistocene)
- Qt — Terrace deposits (Pleistocene)

Tertiary volcanics and sedimentary rocks

- Tpb — Basalt of Dry River (Pliocene)

Deschutes Formation (Pliocene and late Miocene), Td – subdivided into:

- Tdbg — Sand and gravel (Pliocene or late Miocene?)
- Tdp — Vent pyroclastic rocks (late Miocene)
- Tdib — Basalt intrusive rocks (late Miocene)
- Tdv — Basalt vent (late Miocene)
- Tdbr — Basalt of Round Butte (late Miocene)
- Tdbm2 — Basalt of Meyers Butte, upper flow (late Miocene)
- Tdbm1 — Basalt of Meyers Butte, lower flow (late Miocene)
- Tdbw — Basalt of White Deer Ranch (late Miocene)
- Tdbg — Basalt of Grass Butte (late Miocene)
- Tds — Sedimentary rocks (late Miocene)
- Tcp — Prineville Basalt (middle Miocene)
- Tmos — Tuffaceous sedimentary rocks (middle Miocene to late Oligocene?)

EXPLANATION OF MAP SYMBOLS

- Geologic contact - approximately located
- 15 — Inclined bedding - showing measured strike and dip
- Fault, approximately located; dashed where inferred, hachures on downdropped side; dotted where concealed; filled circles on downdropped side.
- Fault, approximately located; dashed where inferred. Sense of displacement unknown
- ▲ 4 — Geochemical sample locality - see Table 1.1 in accompanying text
- ◆ A1 - 5.42 ± 0.11 Ma — Radiometric age-date sample locality - see Table 1.2 in accompanying text