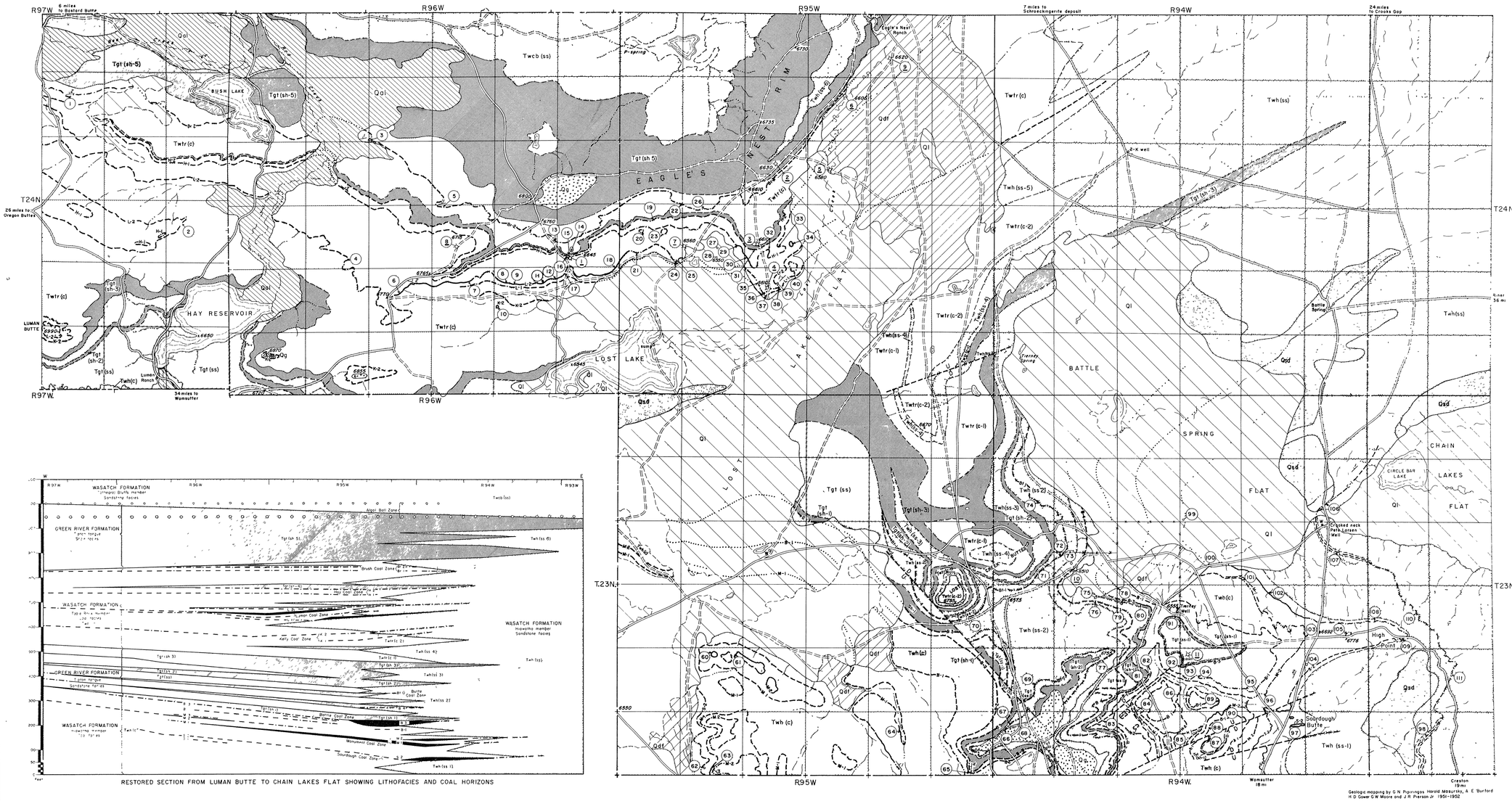

RESTORED SECTION FROM LUMAN BUTTE TO CHAIN LAKES FLAT SHOWING LITHOFACIES AND COAL HORIZONS

EXPLANATION

Pleistocene and Recent — Quaternary

- Qal — **Alluvium and Colluvium** — *Unconsolidated sand and silt along principal streams*
- Qdf — **Delta and fan deposits** — *Unconsolidated sand and silt at margins of playa lakes*
- Ql — **Lacustrine deposits** — *Unconsolidated sand, silt and clay covering playa lake flats*
- Qsd — **Sand dunes** — *Discontinuous mantle of transverse dunes*
- Qg — **Gravel deposits** — *Surficial deposits on erosion surfaces*

Lower Eocene — Tertiary

- Twcb(ss) — **Wasatch formation, Cathedral Bluffs member, sandstone facies** — *Coarse sandstone and sandy clay, locally variegated*
- Tgt(sh) — **Green River formation, Tipton member, shale facies** — *Olive-brown paper shale with fossiliferous calcareous sandstone*
- Twtr(c) — **Wasatch formation, Tatman Rock member, coal-bearing facies** — *Gray siltstone, olive-brown paper shale and coal beds*
- Tgt(ss) — **Green River formation, Tipton member, sandstone facies** — *Buff siltstone and sandstone and olive-brown paper shale*
- Twh(c) — **Wasatch formation, Hiawatha member, coal-bearing facies** — *Gray siltstone and shale, fine-grained sandstone and coal*
- Twh(ss) — **Wasatch formation, Hiawatha member, sandstone facies** — *Medium-to very-coarse sandstone and siltstone and green sandy clay*

- Contact — *Dashed where approximately located, dotted where concealed*
- Fault — *U on up-thrown side, D on down side. Dashed where approximately located, dotted where concealed*
- Strike and dip of beds
- Coal bed — *Dashed where approximately located, dotted where concealed*
- Carbonaceous shale (including coal less than 30 inches thickness) — *Dashed where approximately located, dotted where concealed*
- 32 — Surface section of coal
- 78 — Auger hole
- 11 — Core hole
- Water well with pump
- Intermittent lake — *Playa in central portion*
- Dam
- X 6620 — Spot elevation
- Recovered section corner
- Improved road
- Unimproved road
- Barbed wire fence

INDEX MAP OF WYOMING

U.S. GEOLOGICAL SURVEY
DENVER
JUL 6 1953
LIBRARY
GEOLOGIC DIVISION
PLEASE REPLACE IN POCKET
IN BACK OF BOOKS VOLUME
no 332
(200)
TGTR

FIGURE 4.-GEOLOGIC MAP OF THE NORTHERN PART OF THE RED DESERT AREA, SWEETWATER COUNTY, WYOMING

By Harold Masursky and G N Pipiringos

0 1 2 3 Miles

1952