PREPARED IN COOPERATION WITH THE
STATE OF WISCONSIN DEPARTMENT OF NATURAL RESOURCES
AND
UNIVERSITY EXTENSION—THE UNIVERSITY OF WISCONSIN
GEOLOGICAL AND NATURAL HISTORY SURVEY

EXPLANATION

QUATERNARY

Recent

POSTGLACIAL

Qal — **Alluvium and marsh deposits**
Stratified sand and gravel in narrow flood plains of present streams; peat, mucky silt or sand in flat, marshy areas where the water table is at or slightly above the surface for part of year

Qds — **Dune sand**
Sand, fine- to medium-grained, well sorted in stabilized sand dunes

Pleistocene

GLACIAL

Qo — **Outwash**
Stratified sand, with some gravel, deposited by glacial melt waters as broad flood plains. Boulders rare

Qpo — **Pitted outwash**
Stratified sand and gravel deposited by glacial melt waters containing ice blocks as an irregular plain dissected by numerous kettles. Boulders common

Qgs — **Glacial-lake deposits**
Stratified sand, very fine- to medium-grained, well sorted, with thin beds of grey clay, forming a relatively smooth plain

Qot — **Outwash and till**
Stratified silt, sand, and gravel in low hills, flat-topped terraces, and deltas; includes deposits of washed till

Qt — **Moraine deposits**
Sandy till and some ice-contact deposits of stratified sand and gravel in ridges of very uneven topography

PRECAMBRIAN

PREGLACIAL

Ꞓss — **Sandstone**
White, light-brown, or bluish-gray, fine- to coarse-grained sandstone; some beds are well indurated

pЄr — **Crystalline rock**
Consists of granite, gneiss, schist, and quartzite

Contact on surface geology
Approximately located

Sandstone
Contact at bedrock surface between crystalline rock and sandstone
Approximately located. Queried where inferred

Clay
Limit of lake-clay beds
Approximately located. Queried where inferred

Well used for aquifer test — 942 / 86 Ꞓss — Altitude of bedrock, in feet above mean sea level; Altitude of top of clay bed in feet above mean sea level; Thickness of unconsolidated deposits, in feet; s, bottomed in sandstone; g, bottomed in crystalline rock

Water well or test hole ending in bedrock

Well used for aquifer test — 915 / 128 — Altitude of base, in feet above mean sea level; Depth of well, in feet below land surface

Water well or test hole ending in unconsolidated deposits

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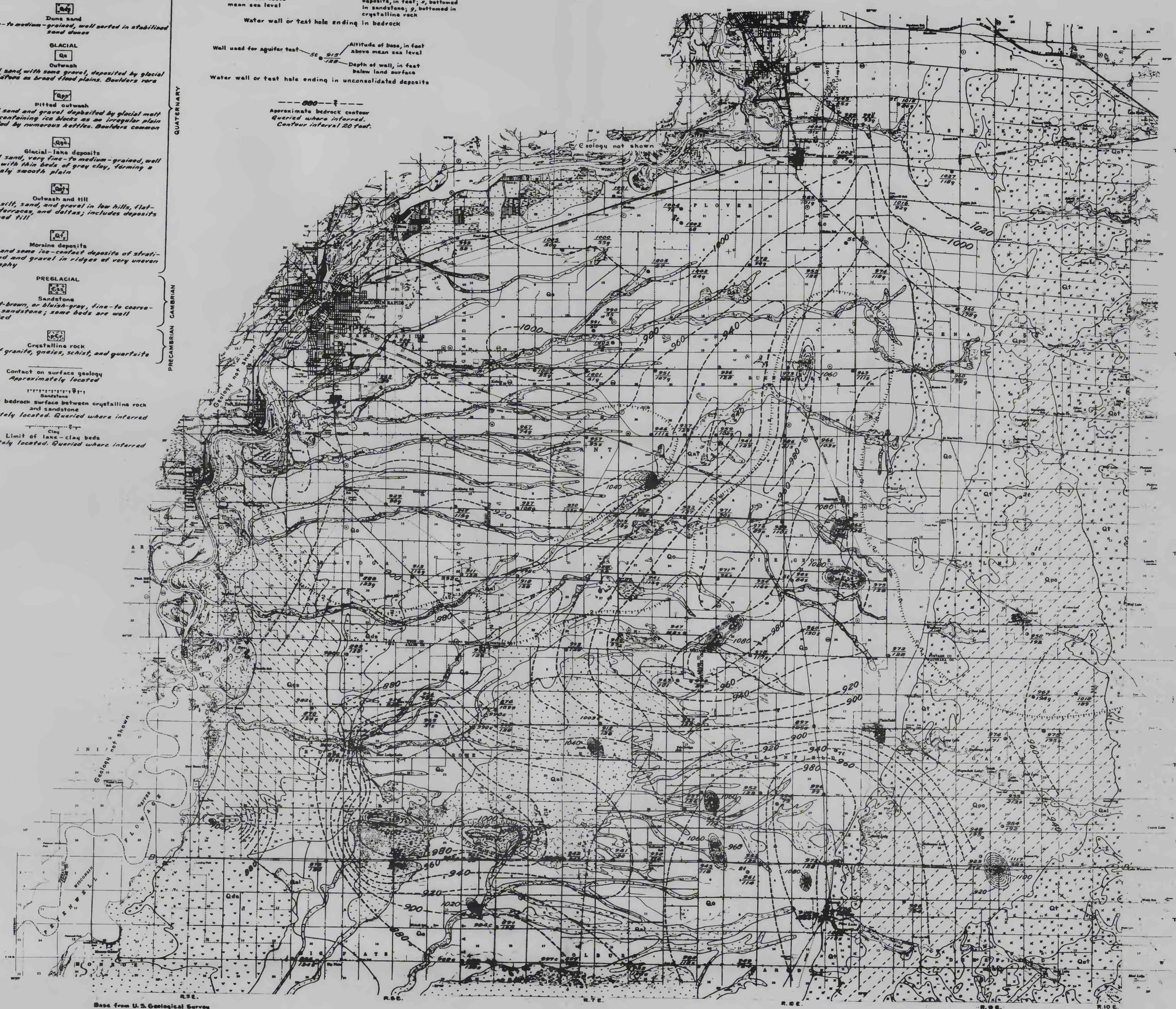
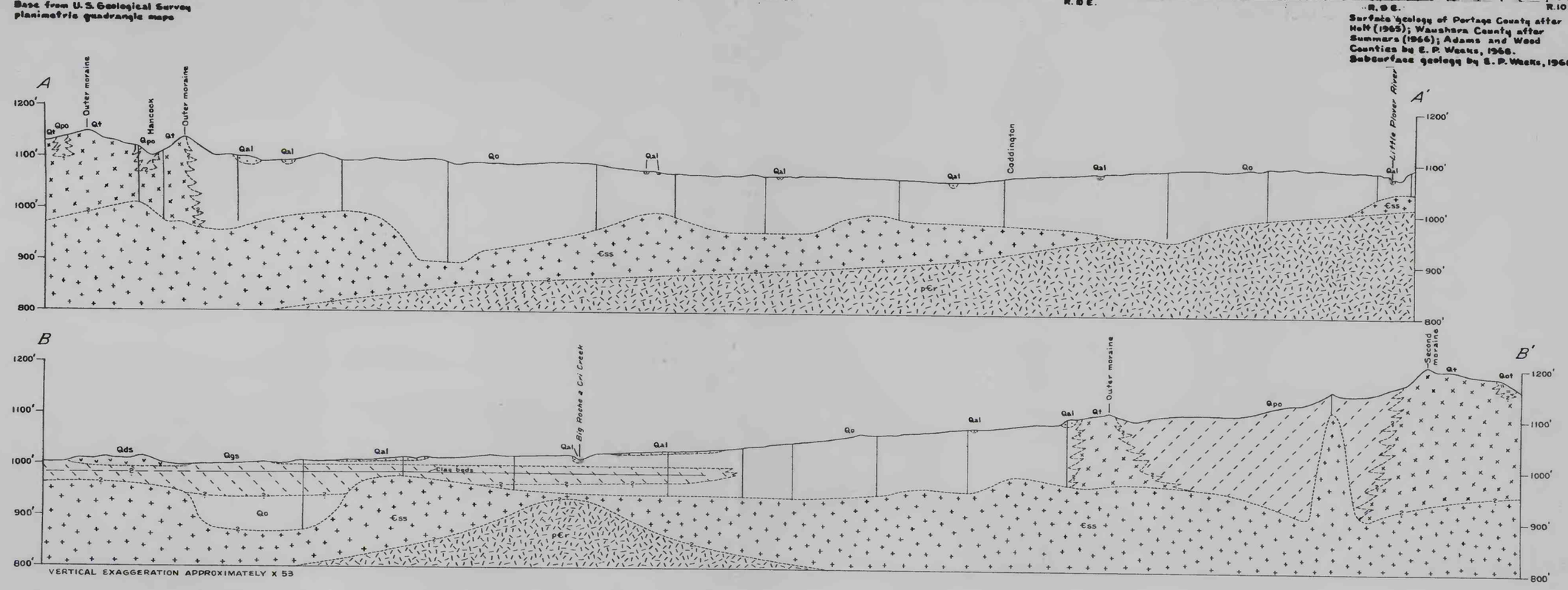
Approximate bedrock contour
Queried where inferred. Contour interval 20 feet.



Base from U.S. Geological Survey planimetric quadrangle maps

Surface geology of Portage County after Holt (1965); Waushara County after Summers (1966); Adams and Wood Counties by E. P. Weeks, 1968.
Subsurface geology by E. P. Weeks, 1968



VERTICAL EXAGGERATION APPROXIMATELY X 53

Figure 3.—Map showing surface and subsurface geology of part of the sand plain of central Wisconsin, with geologic sections.

1 ½ 0 1 — 2 3 — 4 5 MILES
1 .5 0 1 — 2 3 — 4 5 KILOMETERS
DATUM IS MEAN SEA LEVEL