

FIGURE 4

UNITED STATES DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

PREPARED IN COOPERATION WITH THE  
IDAHO DEPARTMENT OF WATER RESOURCES

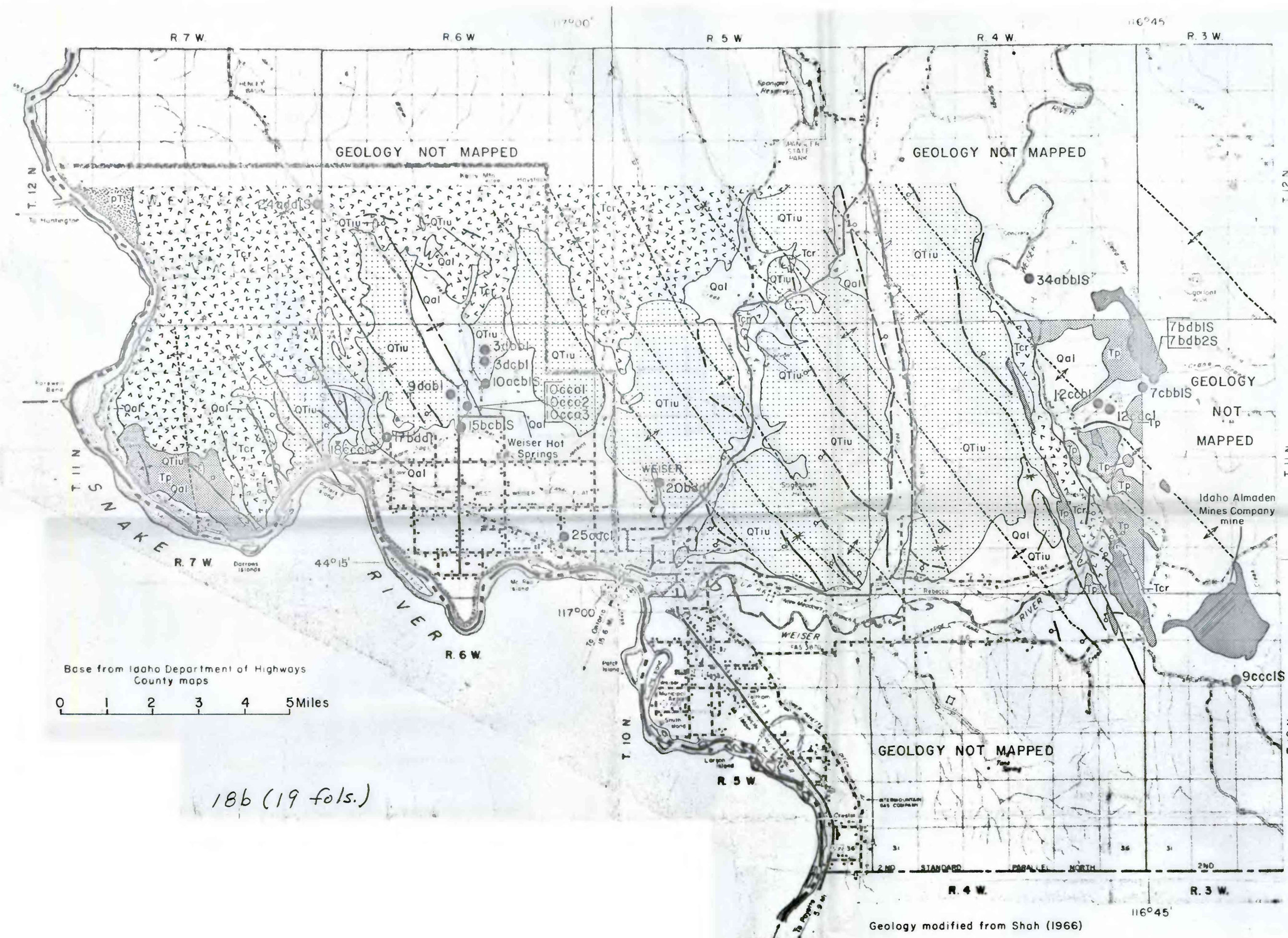


FIGURE 4.--Generalized geology and location of sampled wells and springs in the Weiser area, Idaho.

CORRELATION OF MAP UNITS

Qal	Holocene and Pleistocene	QUATERNARY
QTiu	Pleistocene and Pliocene	TERTIARY
Tcr	Pliocene and Miocene	TERTIARY
PT		PRE-TERTIARY

DESCRIPTION OF MAP UNITS

- Qal SURFICIAL DEPOSITS--Alluvium and colluvium, includes clay, silt, sand, gravel, and some landslide debris.
- QTiu IDAHO GROUP, UNDIFFERENTIATED--Poorly to well sorted fluviatile and lacustrine deposits of clay, silt, sand, and gravel, compacted to poorly consolidated. Contains some beds of ash and intercalated basaltic lava flows.
- Tcr BASALT OF THE COLUMBIA RIVER GROUP--Flood-type basalt, light to dark gray, dense, crude columnar jointing at places, folded and faulted, and may include some andesitic and rhyolitic rock types. Payette Formation is sandwiched between units of this basalt at places.
- Tp PAYETTE FORMATION--Compacted beds of clay, silt, sand, and volcanic ash intercalated in basalt of the Columbia River Group.
- PT PRE-TERTIARY ROCKS, UNDIFFERENTIATED--Includes Seven Devils Volcanics of Permian and Triassic age and related rocks--including sedimentary rocks and some granitic rocks of the Idaho batholith of Cretaceous age.
- ROCKS AFFECTED BY OPALIZATION (Ross, 1956)

SYMBOLS

- ANTICLINE, SHAH (1966)
- SYNCLINE, SHAH (1966)
- ANTICLINE, KIRKHAM (1931b)
- SYNCLINE, KIRKHAM (1931b)
- FAULT--Bar and ball on downthrown side
- INFERRED OR CONCEALED FAULT
- CONTACT
- 12cdcl WELL LOCATION AND NUMBER
- 9ccclS SPRING LOCATION AND NUMBER