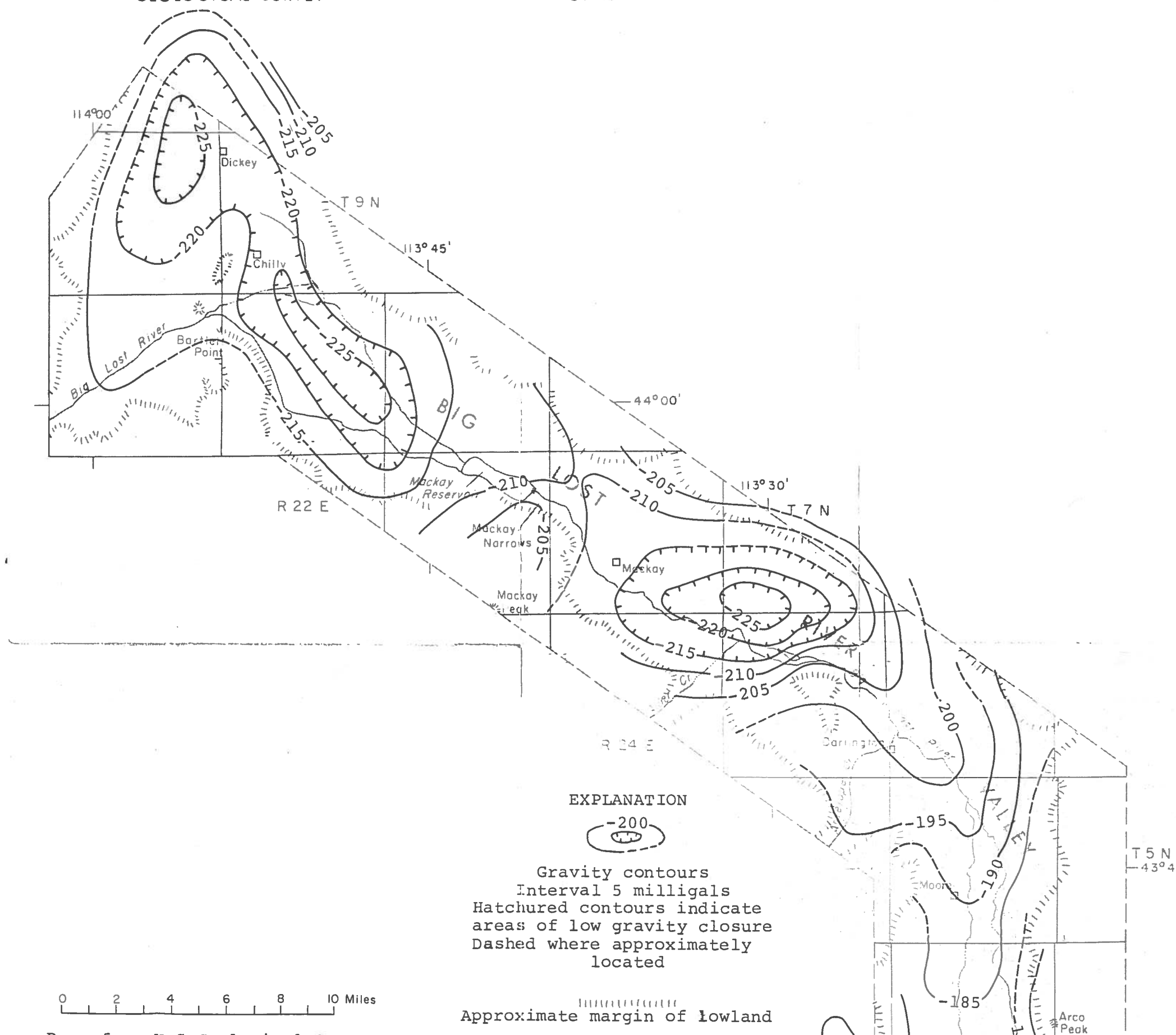


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2
Subbasin used for hydrologic computations

1200
Gaging station and number

△
Miscellaneous stream-measuring site

△1215
Discontinued gaging station or measuring site and number

.....
Drainage basin boundary
Dotted where approximately located

Approximate margin of lowland

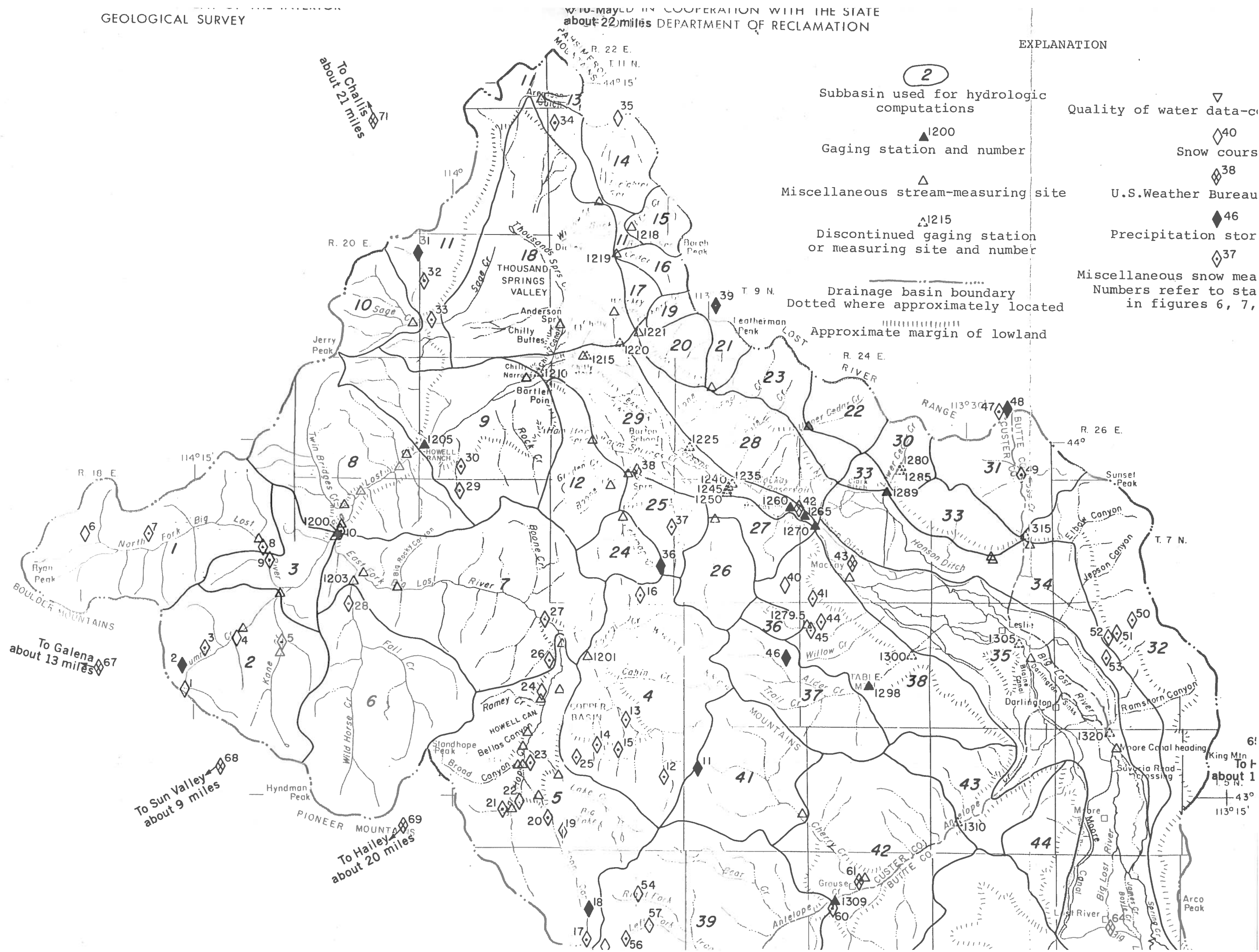
▽
Quality of water data-c

◇40
Snow cours

◇38
U.S. Weather Bureau

◇46
Precipitation stor

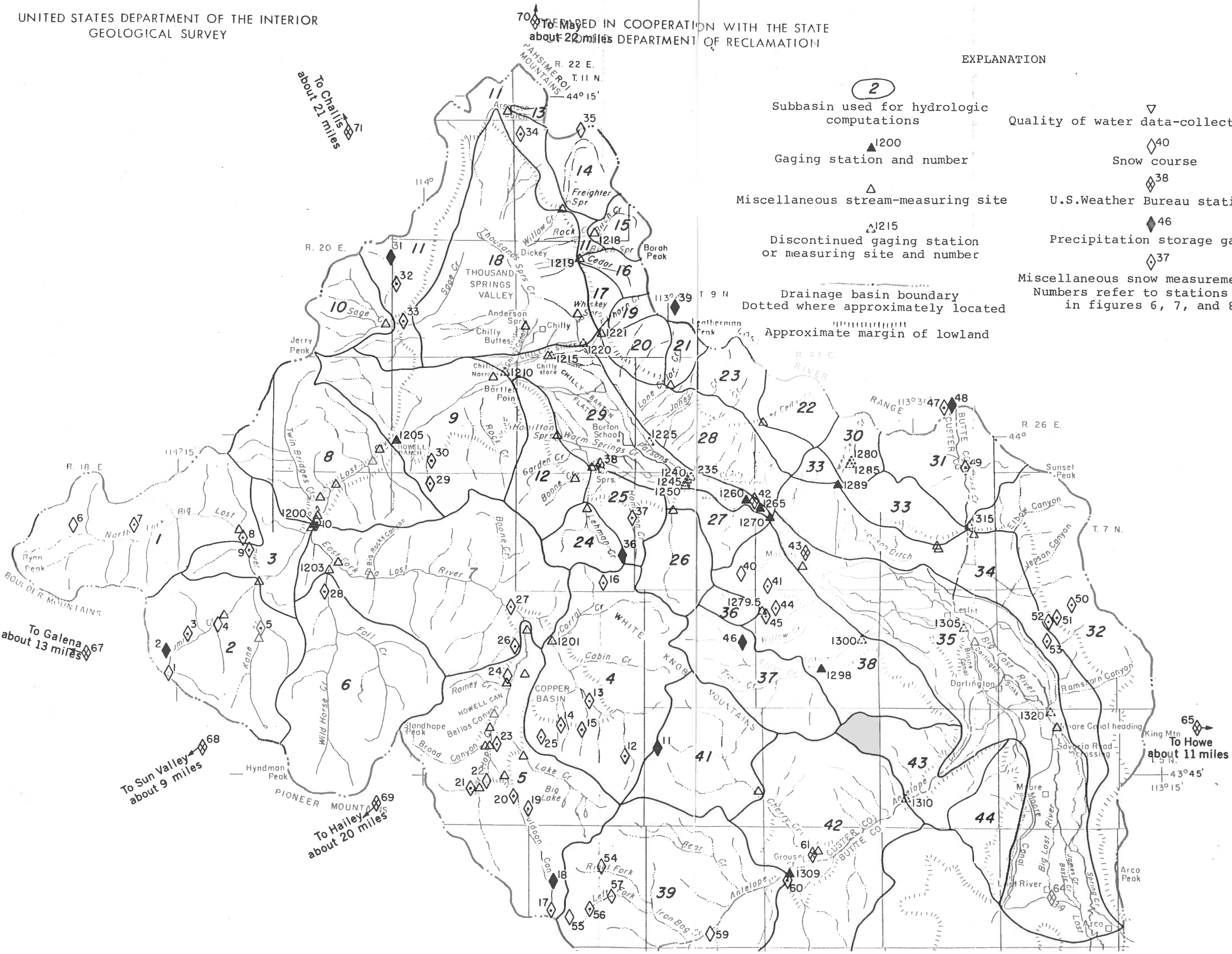
◇37
Miscellaneous snow mea
Numbers refer to sta
in figures 6, 7,



70 To May
about 22 miles
PAHSIMEROI MOUNTAINS
R. 22 E.
T. 11 N.
44° 15'

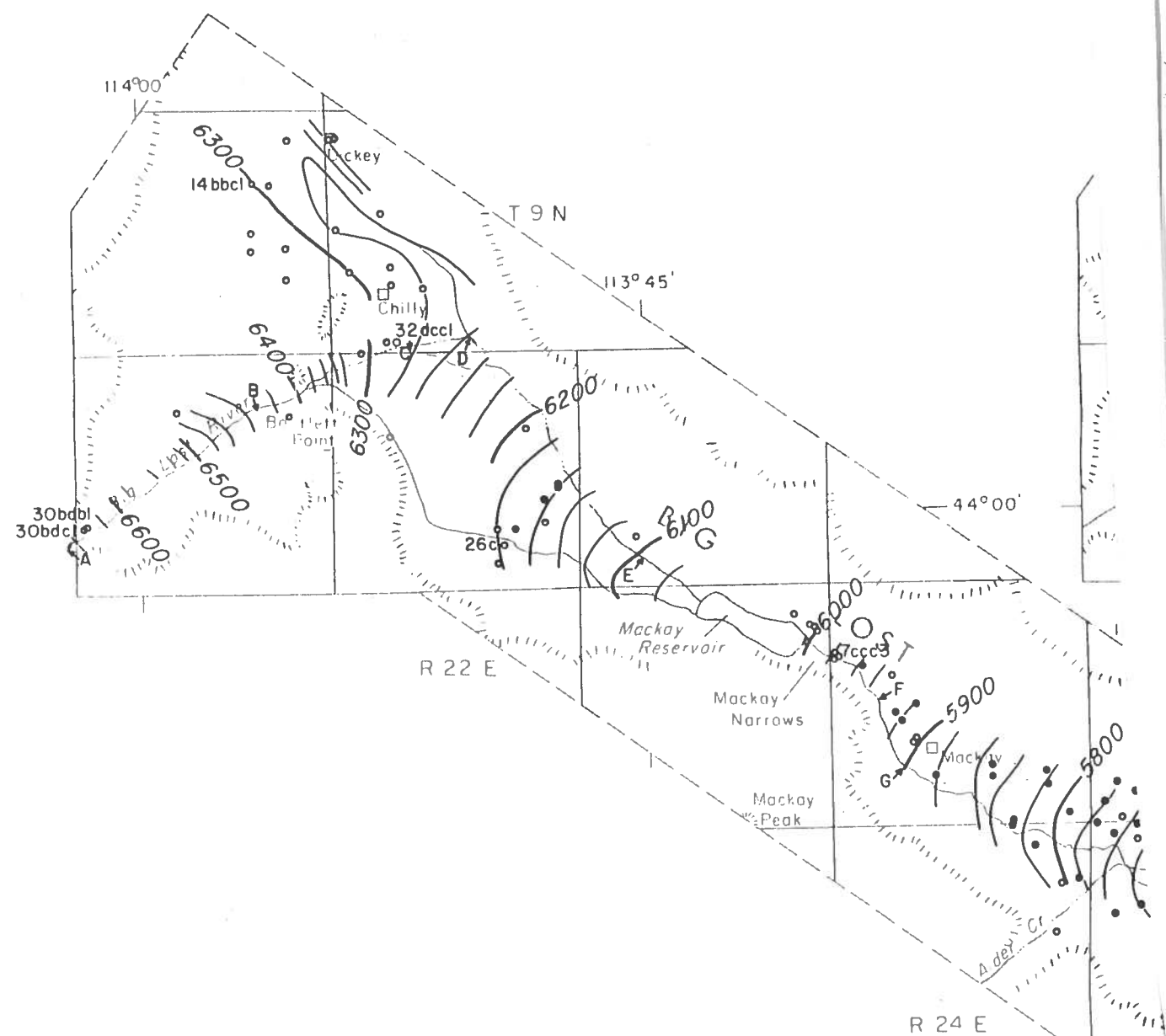
EXPLANATION

- (2)
Subbasin used for hydrologic computations
- ▲1200
Gaging station and number
- △
Miscellaneous stream-measuring site
- ▲1215
Discontinued gaging station or measuring site and number
-
Drainage basin boundary
Dotted where approximately located
- |||||
Approximate margin of lowland
- ▽
Quality of water data-collecting site
- ◇40
Snow course
- ◇38
U.S. Weather Bureau station
- ◆46
Precipitation storage gage
- ◇37
Miscellaneous snow measurement site
- Numbers refer to stations shown in figures 6, 7, and 8



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EXPLANATION

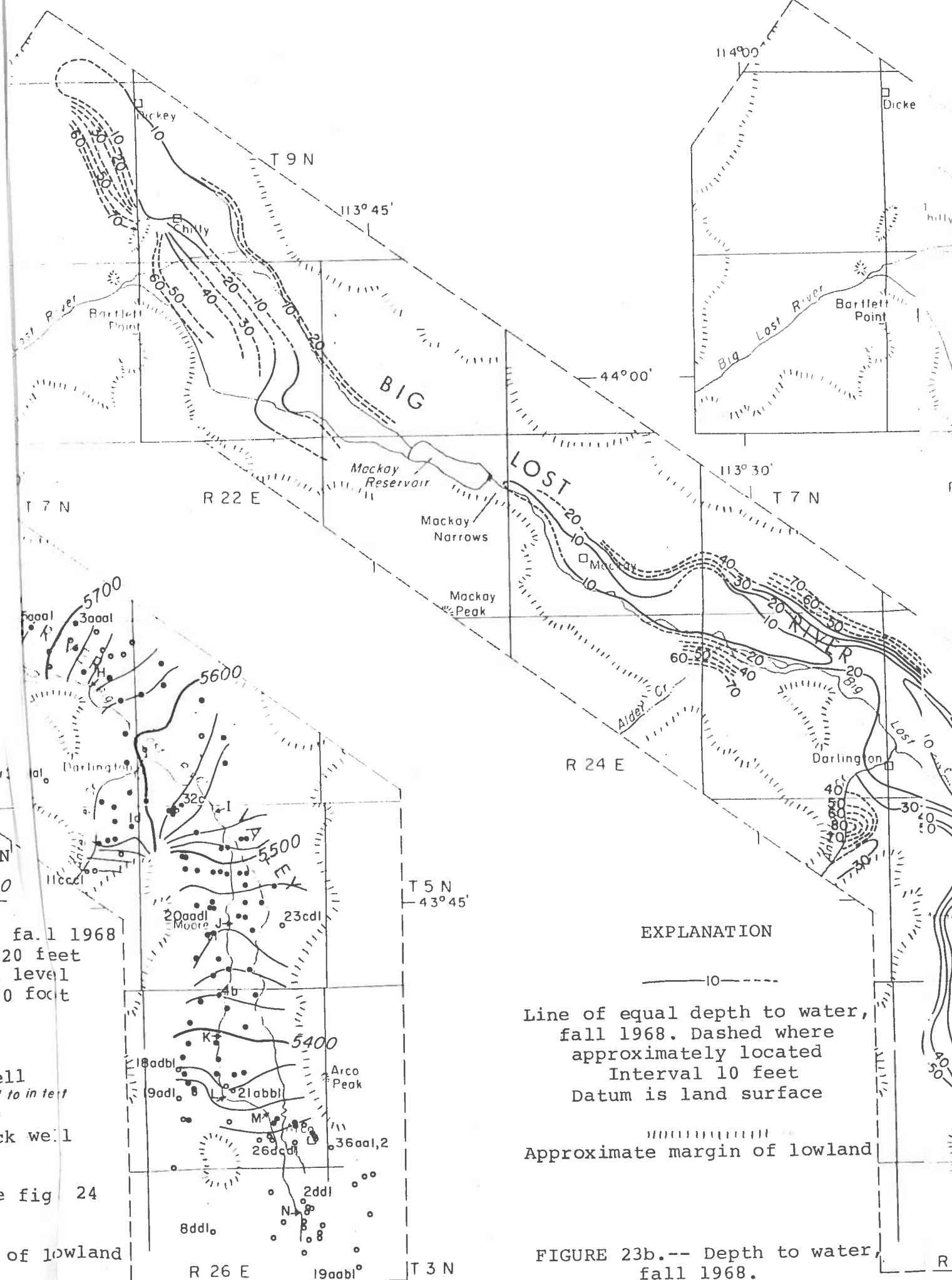
5600

Water-table contour, fall 1968
Contour interval 20 feet
Datum is mean sea level
Index contour 100 foot
interval

•5000l
 Irrigation well
 Numbered where referred to in text
 •30bdcl
 Domestic or stock well

Bend in profile see fig 24

Approximate margin of lowland



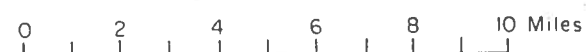
EXPLANATION

10

Line of equal depth to water,
fall 1968. Dashed where
approximately located
Interval 10 feet
Datum is land surface

Approximate margin of lowland

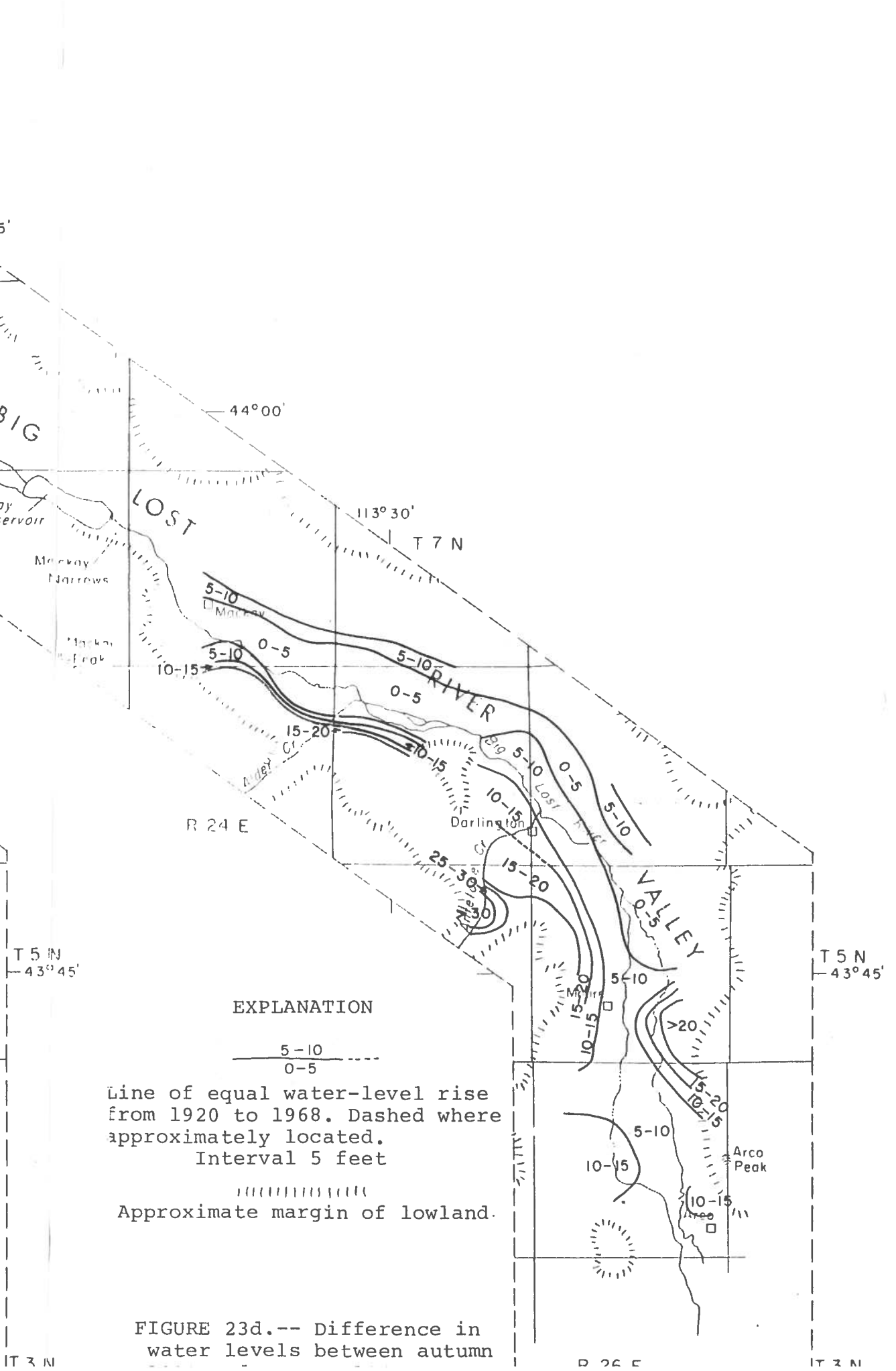
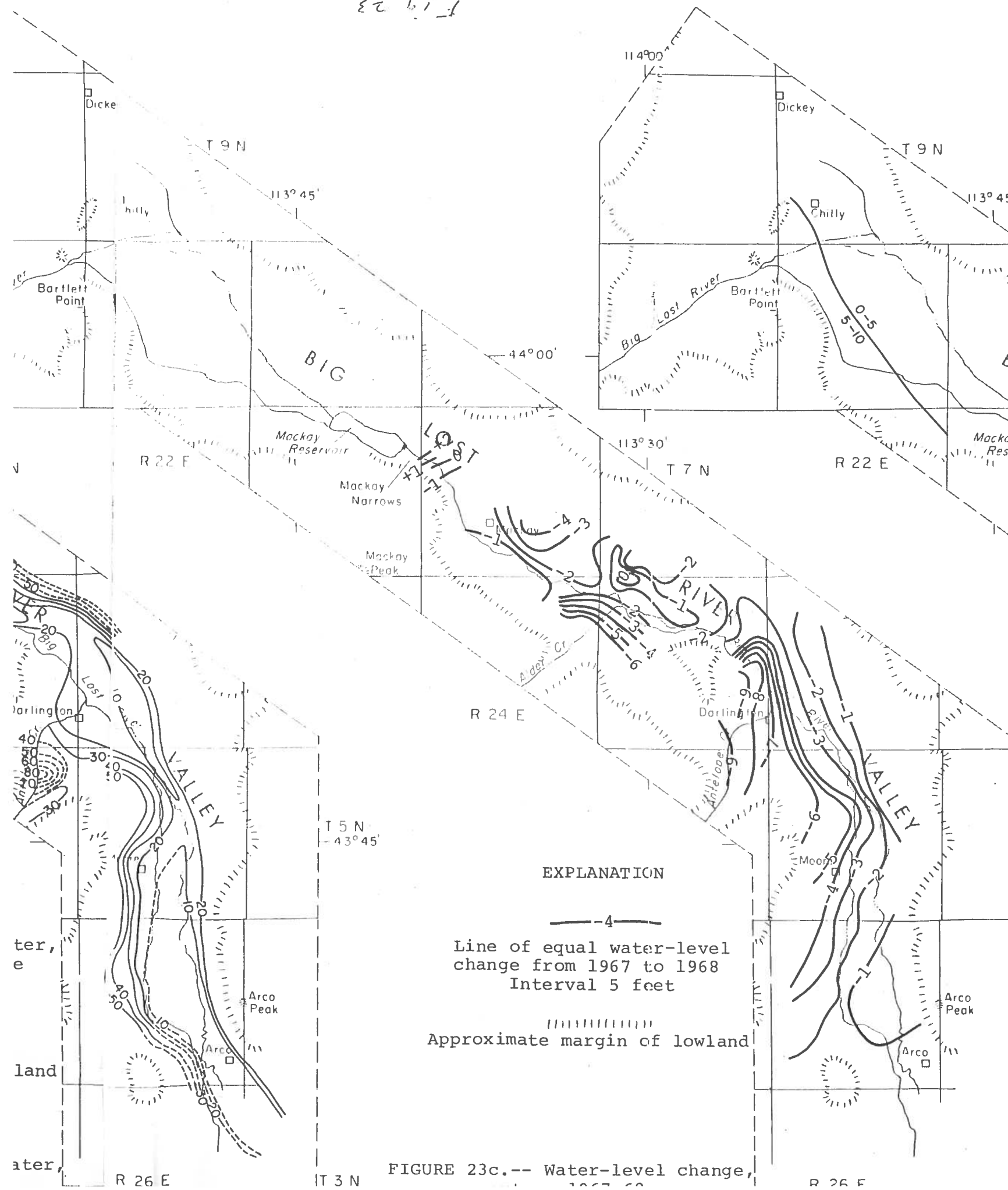
FIGURE 23a.-- Water-level contours,
fall 1968 and well locations.

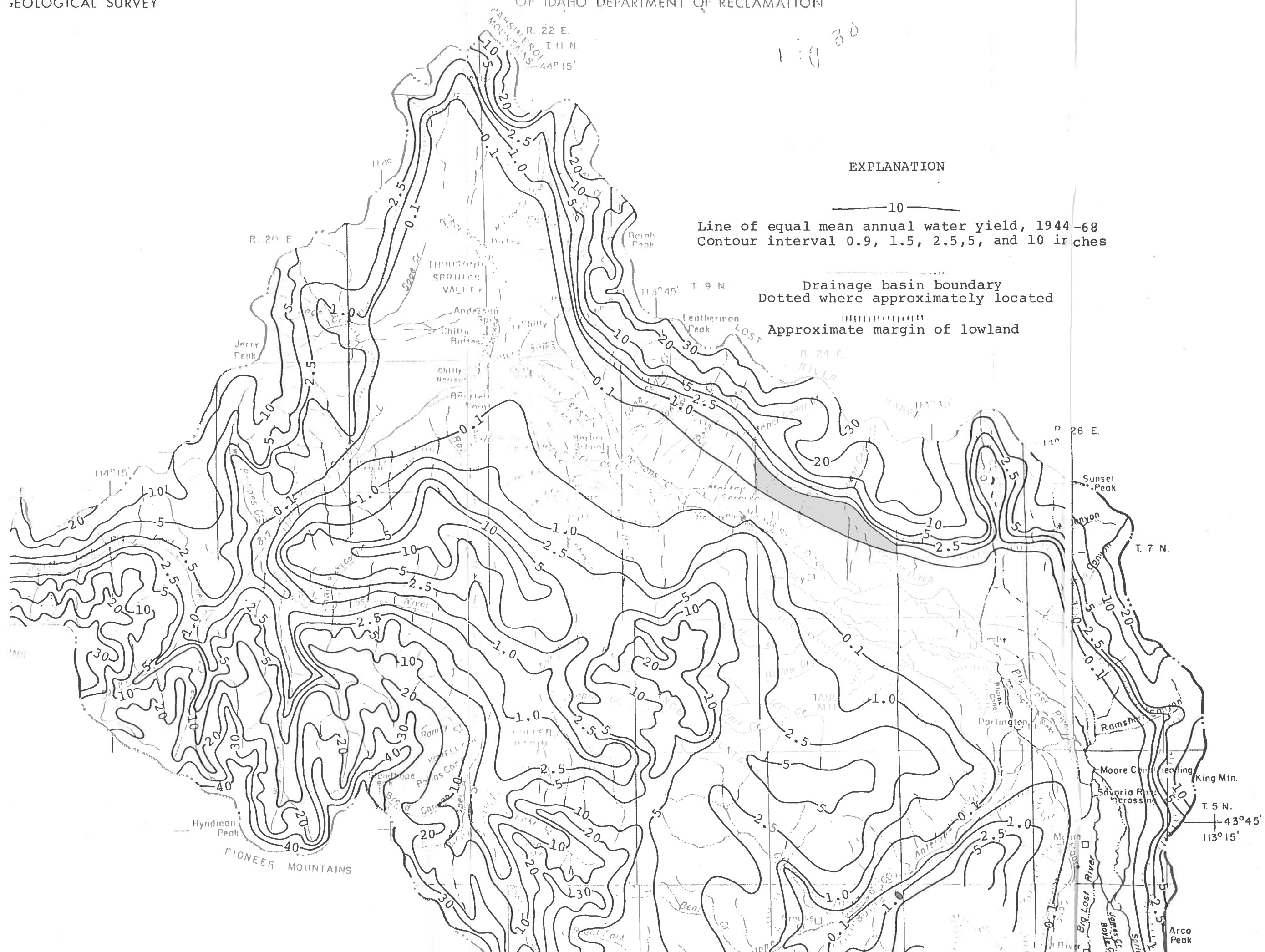


Base from U.S. Geological Survey
Challis 1957, Dubois, Hailey,
and Idaho Falls 1955

FIGURE 23b.-- Depth to water
fall 1968.

22 1 1





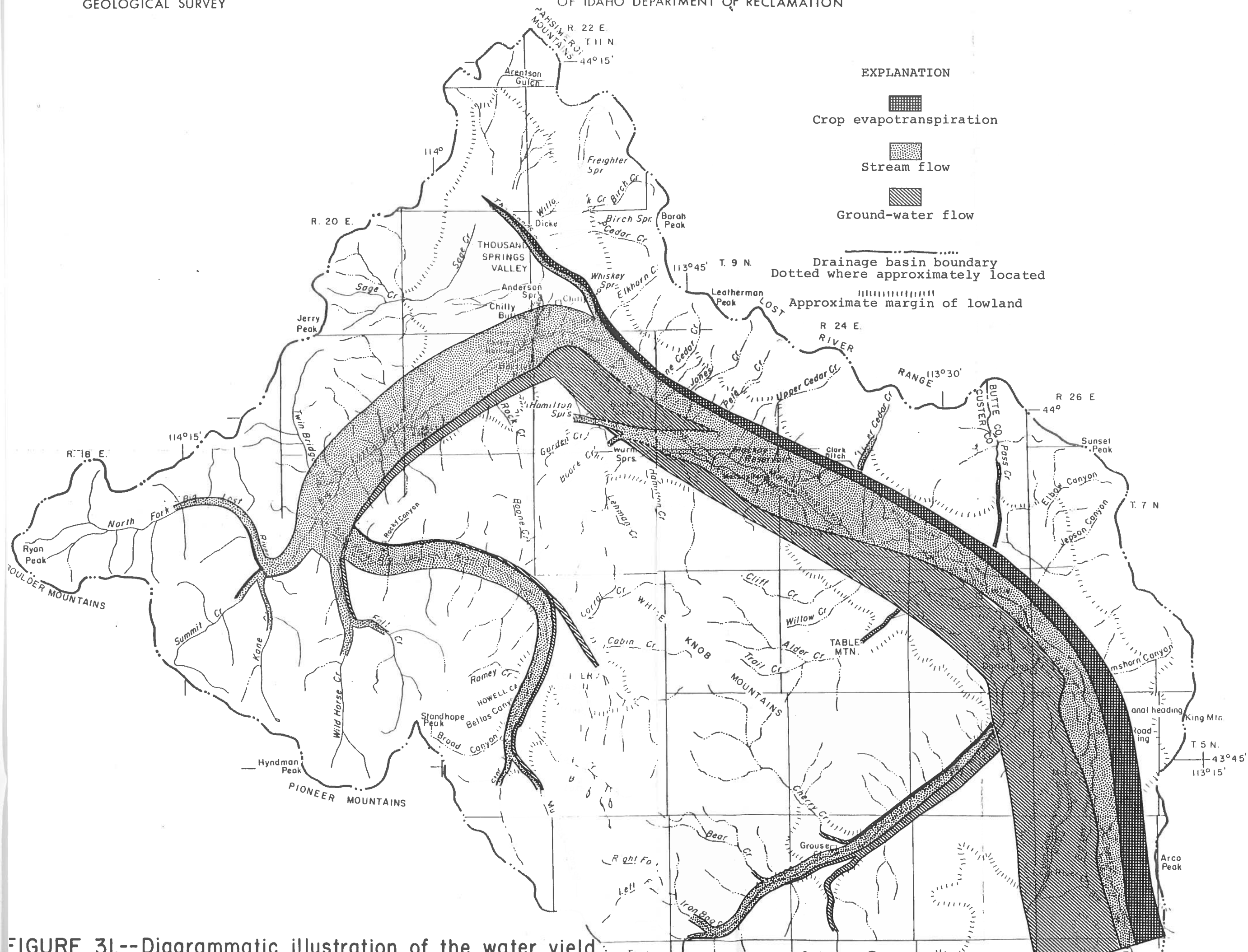


FIGURE 31.--Diagrammatic illustration of the water field.



EXPLANATION Geology



Alluvial deposits

Includes alluvium deposited by Big Lost River and its tributaries, alluvial fans, glacial deposits, and terrace deposits. Consists of clay, silt, sand, and gravel. Sand and gravel yields large amounts of water to wells; the most important water-bearing group of rocks in the basin.



Older cemented alluvial deposits

Consists of gravel, sand, silt, and clay cemented with calcium carbonate. Yields small supplies of water to wells.



Basalt of the Snake River Group

Fractured and jointed flows of gray olivine basalt. Contains some ground water and yields moderate supplies to a few irrigation wells. Exploration for ground water has been very limited.



Carbonate rocks

Rock formations which are predominately limestone of Paleozoic age but includes some conglomerate, sandstone, and chert. Includes Saturday Mountain Formation, Laketown Dolomite, Jefferson Formation, Grand View Dolomite, Three Forks Limestone, White Knob Limestone, Middle Canyon Formation, and undifferentiated limestones of Carboniferous age. The carbonate rocks are associated with the large springs in the basin and they also accept considerable quantities of recharge in some parts of the basin.



Noncarbonate rocks

Rock formations which are predominately quartzite, sandstone, argillite, siltstone, granite and volcanics of Pre-Cambrian to Tertiary age. Includes undifferentiated quartzite and slate, Kinnikinnick Quartzite, Milligen Formation, Wood River Formation, and Copper Basin Formation of Paleozoic age, and granitic intrusive rocks and Challis volcanics of Tertiary age. Small seeps and springs discharge from the rocks.

EXPLANATION Symbols

A—A'
Geologic section
See figures 12-16

Contact
Approximately located

Fault
Dashed where approximately located
dotted where concealed

Drainage basin boundary
Dotted where approximately located

Approximate margin of lowland

