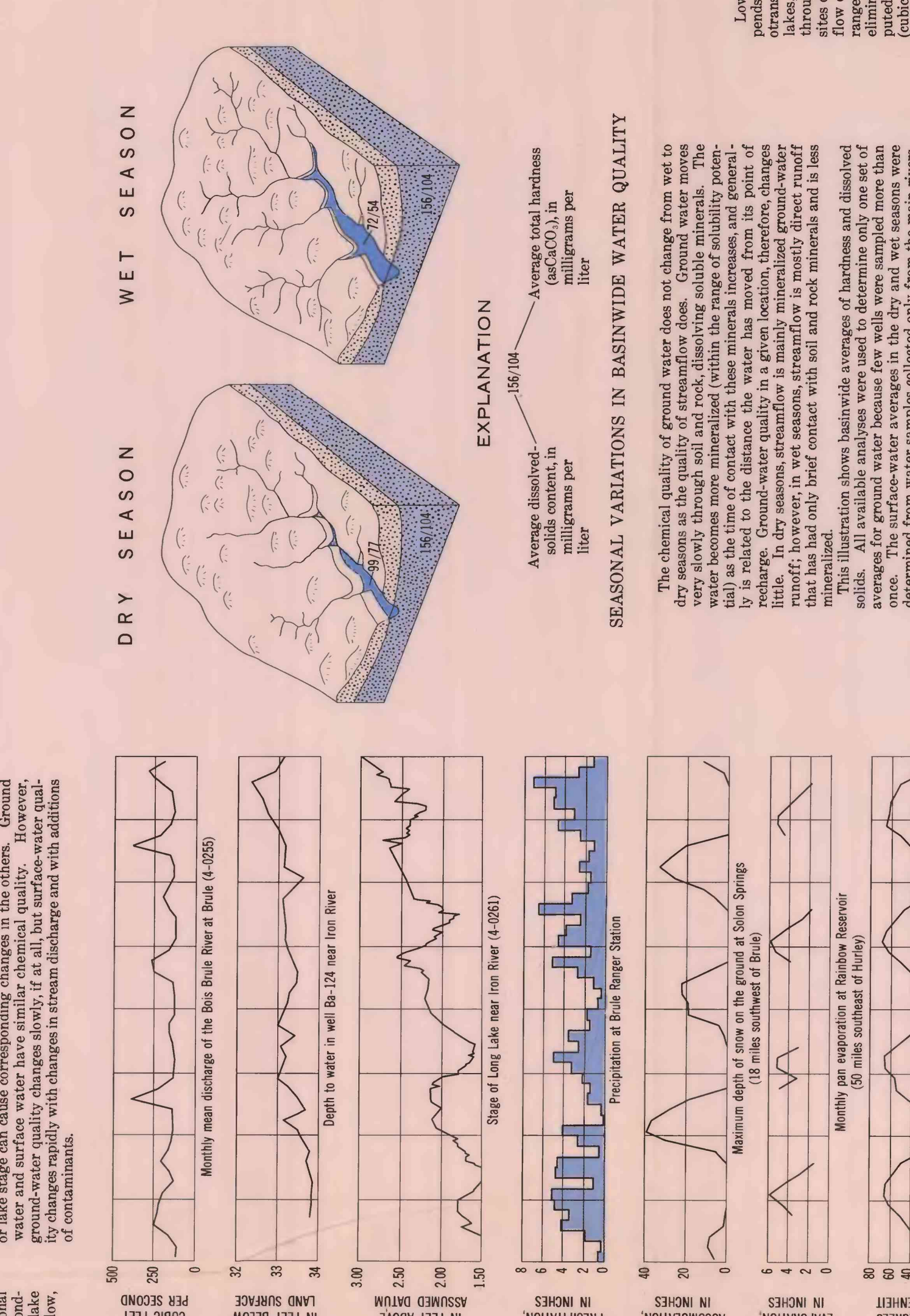
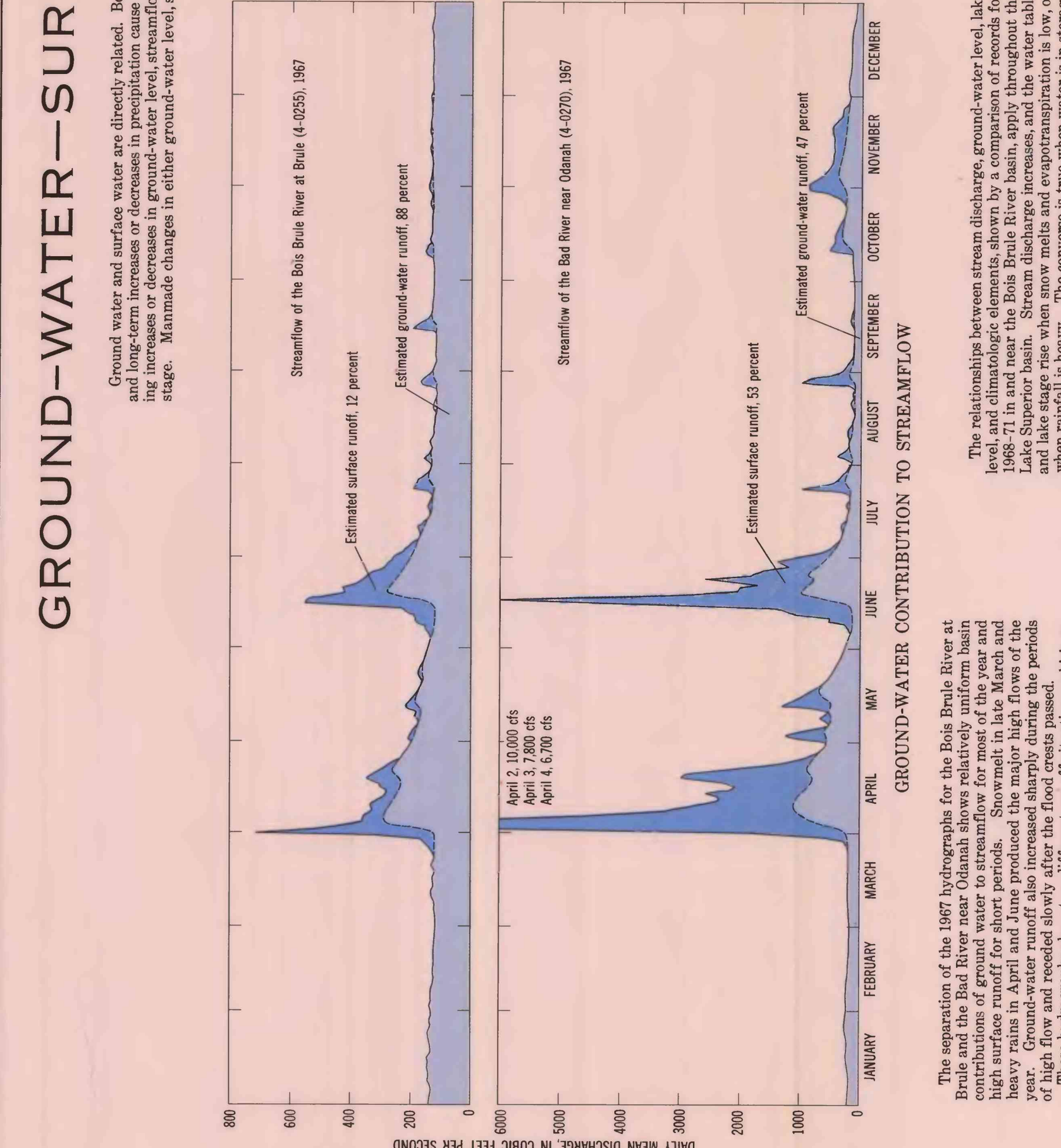


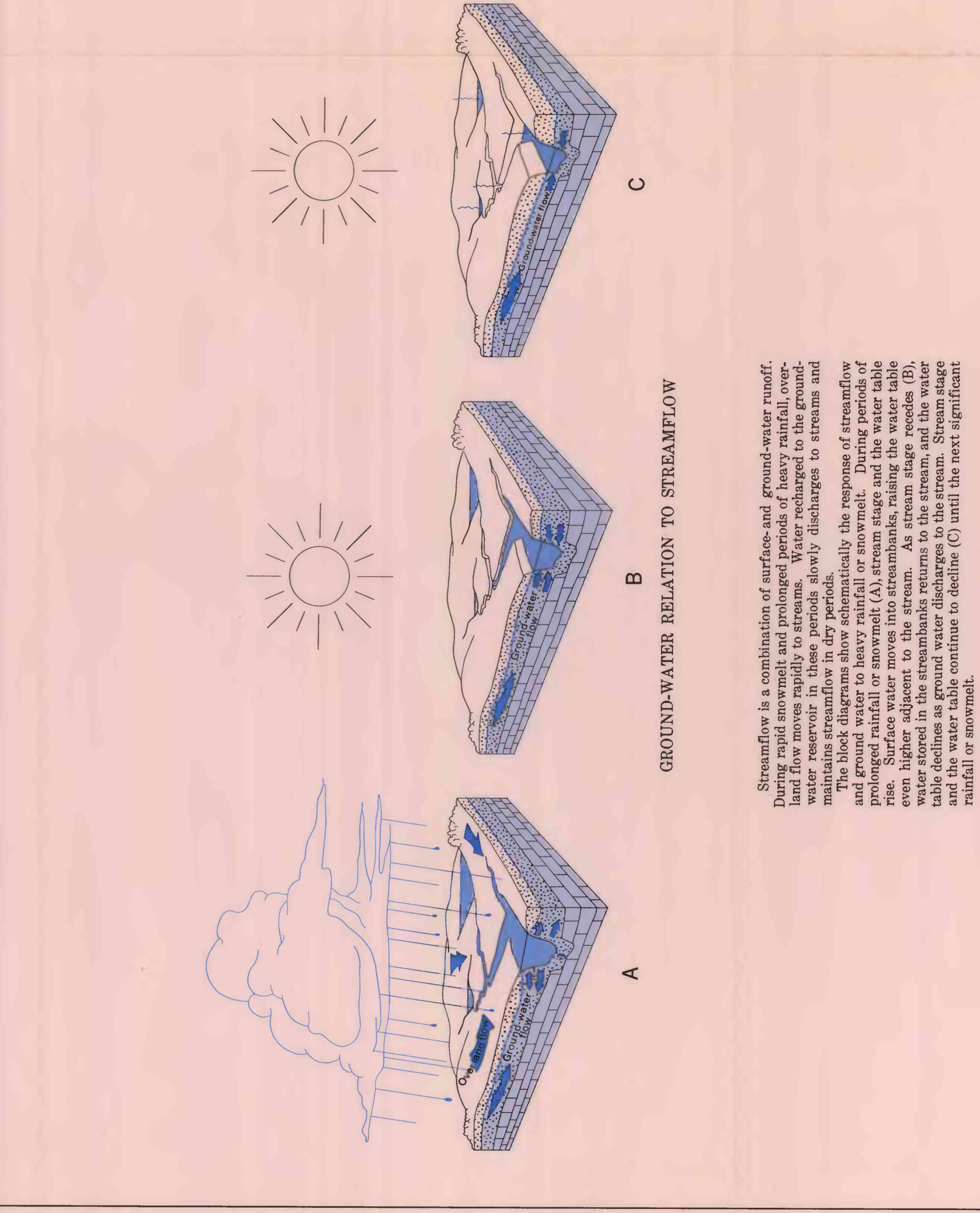
GROUND-WATER—SURFACE-WATER RELATIONSHIPS



of lake stages on water corresponding changes in the water table and surface water level. Both seasonal and long-term increases or decreases in precipitation cause corresponding changes in the water table and surface water level. However, seasonal changes in the water table and surface water level are usually accompanied by changes in stream discharge and water quality.

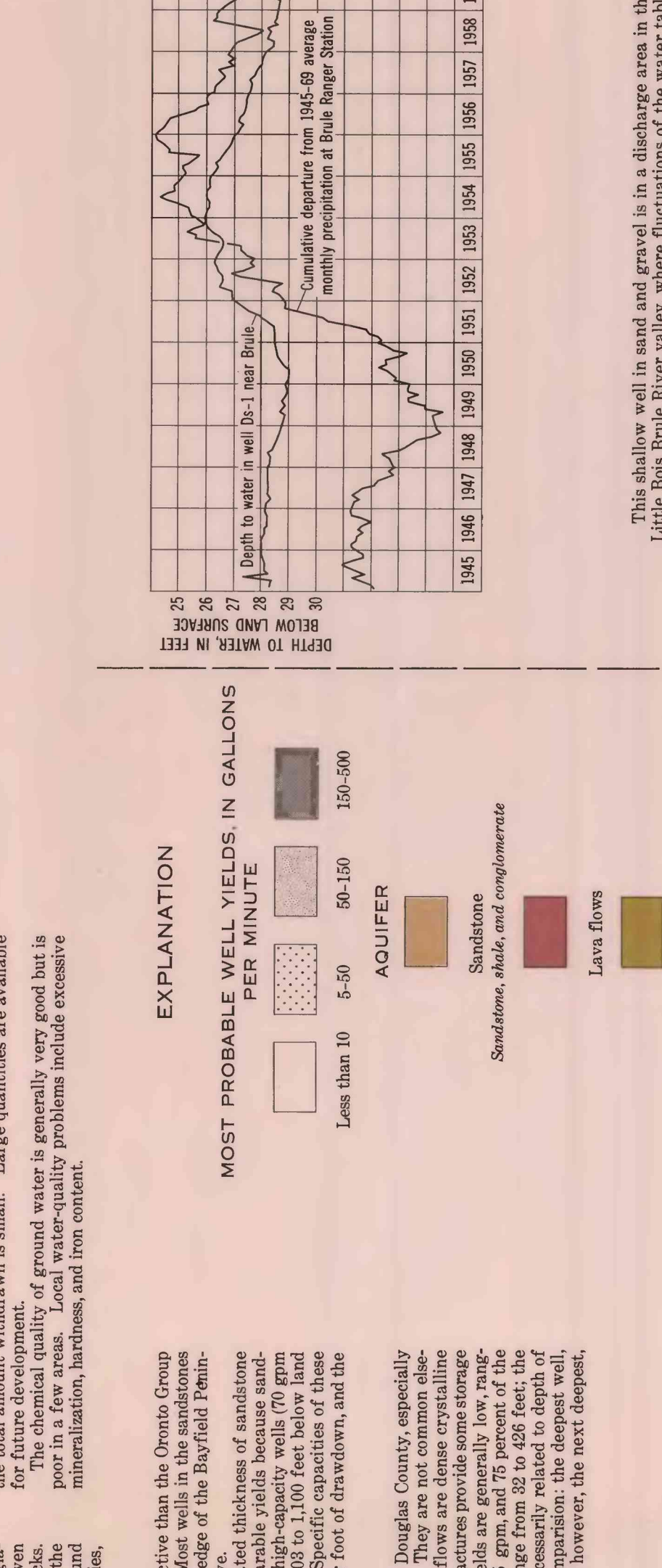


The relationship between stream discharge and groundwater level, the Wolf River and Wolf Lake, is shown in the graphs. The Wolf River is a typical example of a stream that is fed by both surface runoff and groundwater discharge. The Wolf Lake is a typical example of a lake that is fed by both surface runoff and groundwater discharge.

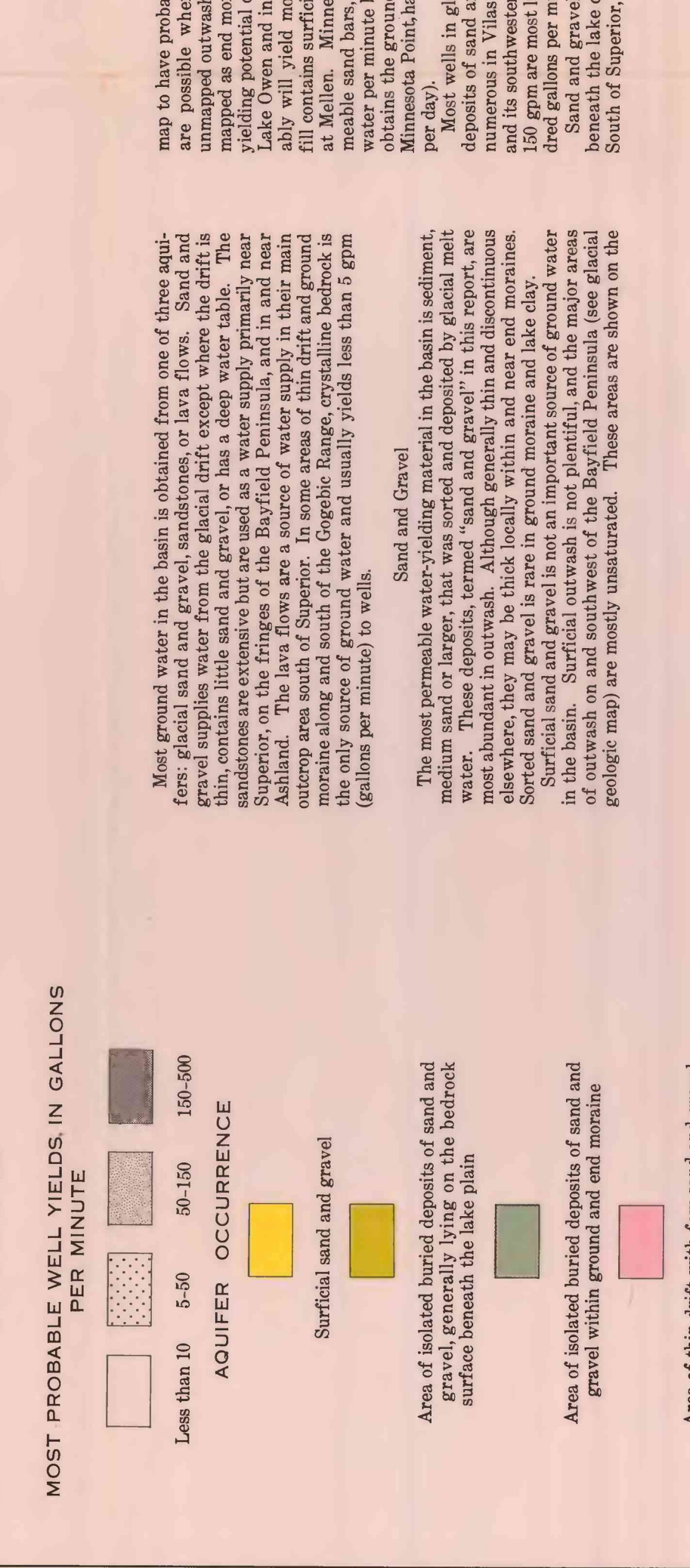


The water table in the Wolf River basin is shown in the graphs. The water table is generally higher than the stream level, indicating that the stream is fed by groundwater discharge. The water table is generally lower than the stream level, indicating that the stream is fed by surface runoff.

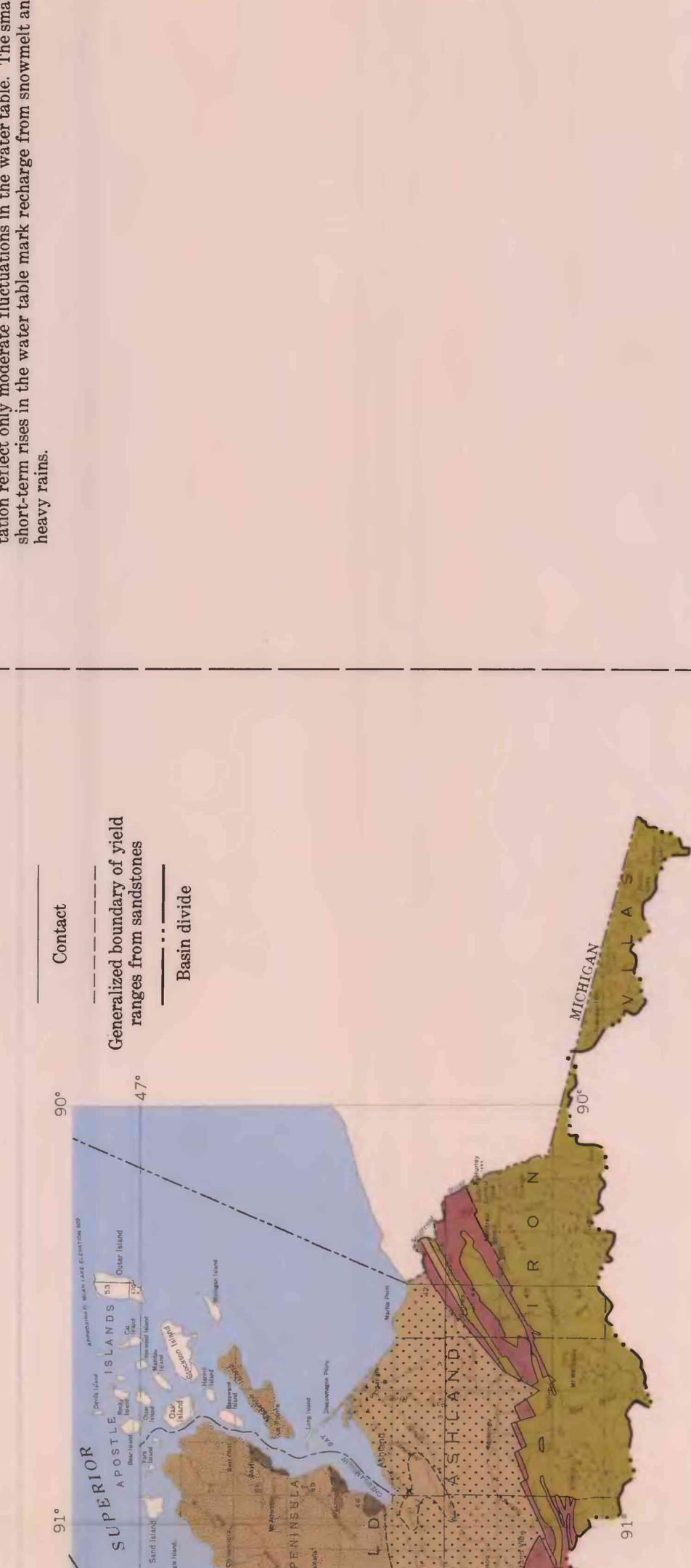
GROUND WATER



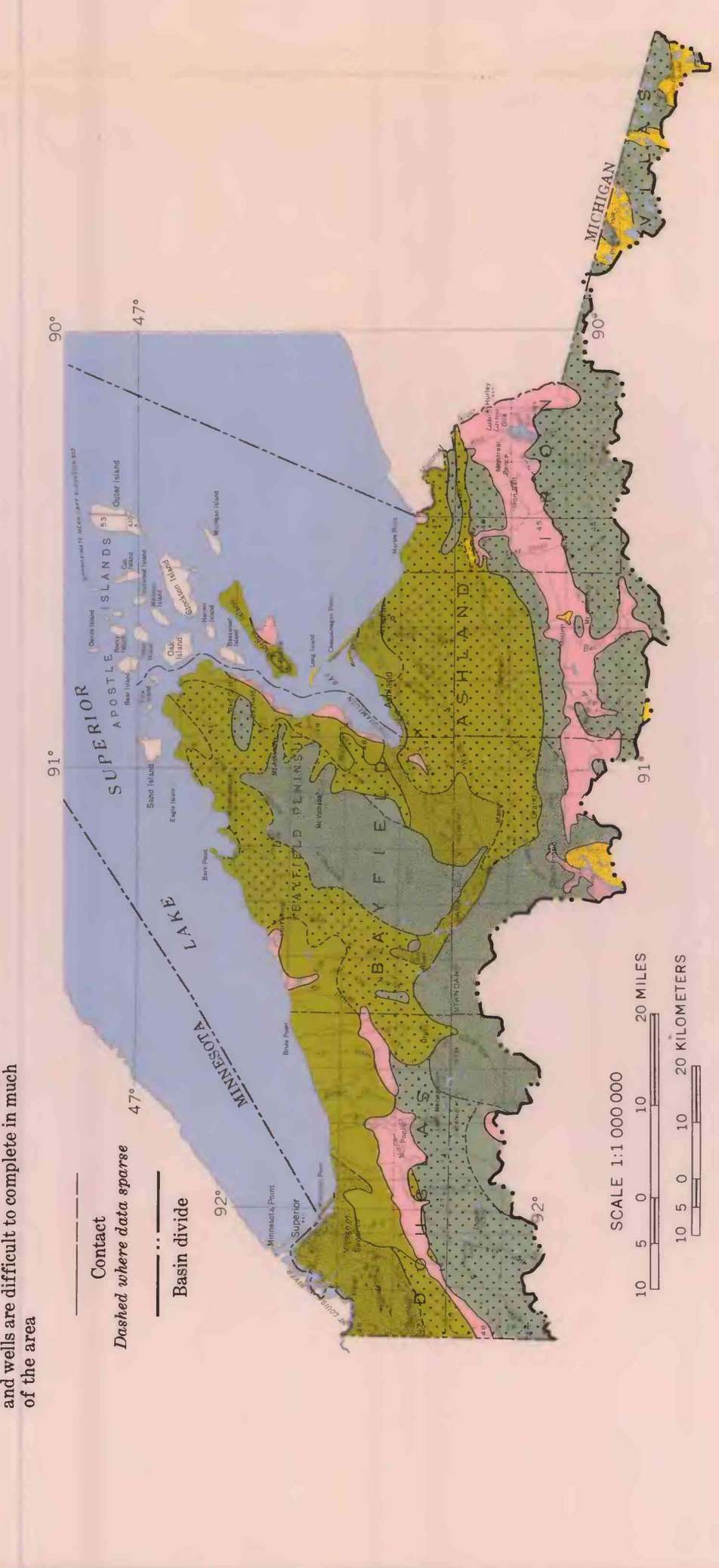
The total amount of water in the Wolf River basin is small. Large quantities are available only in the surficial aquifer. The surficial aquifer is composed of sand and gravel. The isolated buried aquifer is composed of sand and gravel. The sandstone, shales, and conglomerates aquifer is composed of sandstone, shales, and conglomerates. The lava flows aquifer is composed of lava flows. The crystalline rocks aquifer is composed of crystalline rocks.



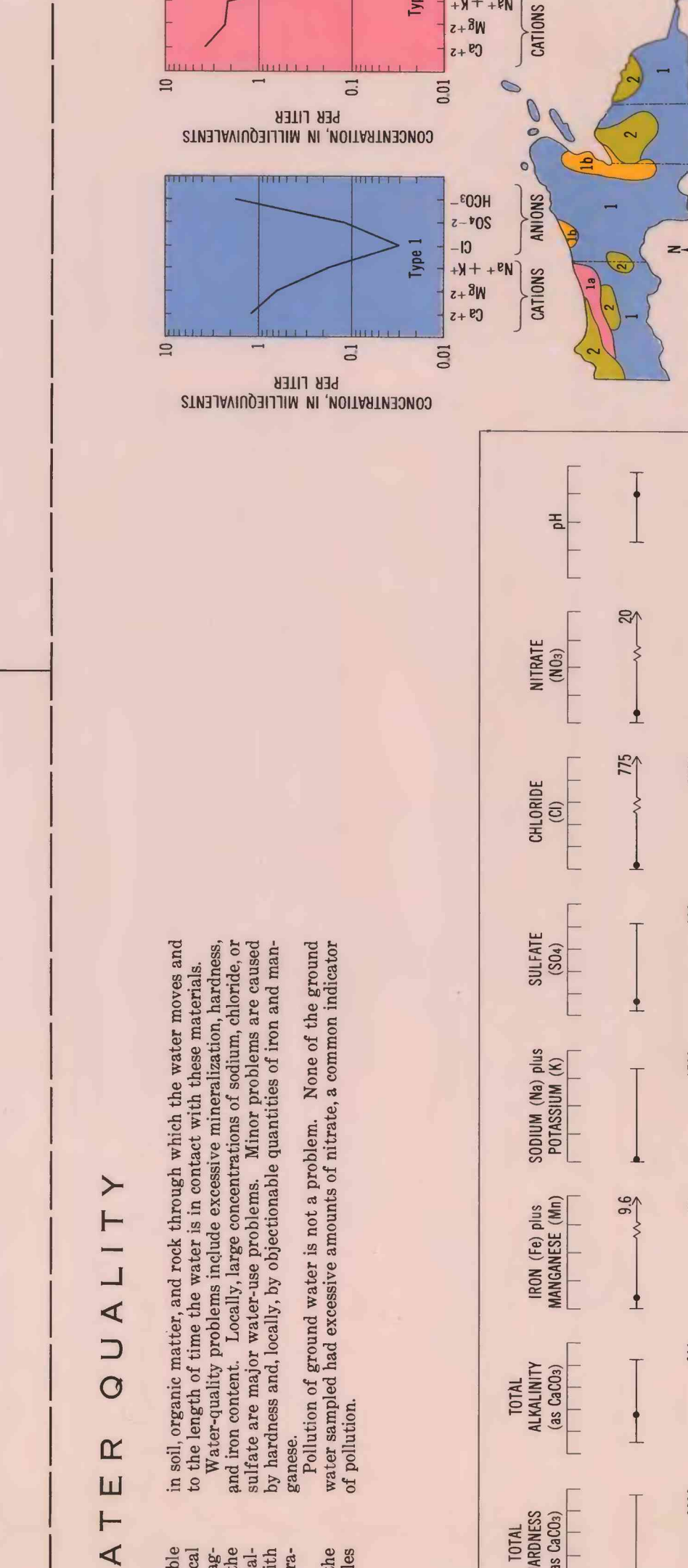
The distribution of dissolved solids in the Wolf River basin is shown in the map. The hardness is generally low, indicating that the water is soft. The hardness is generally high, indicating that the water is hard.



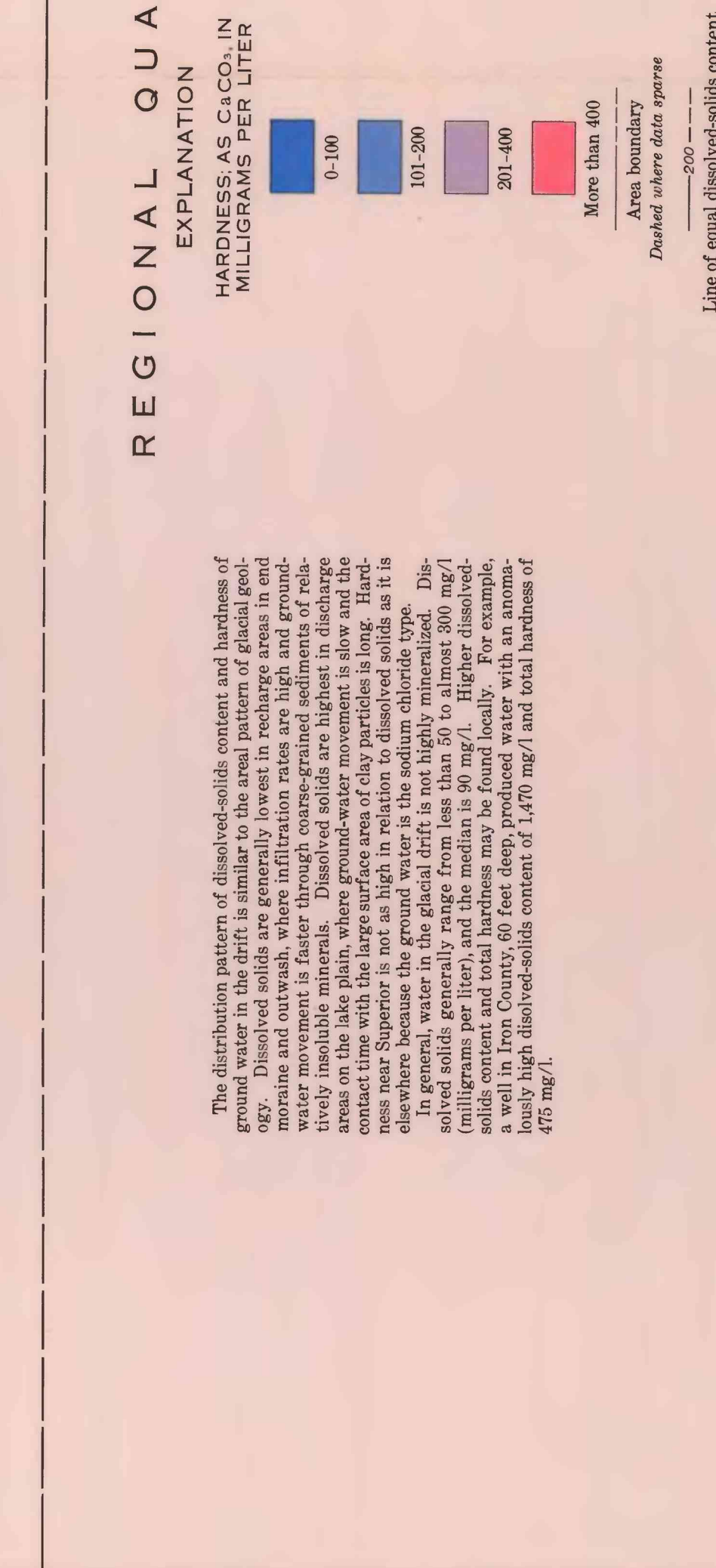
The distribution of iron plus manganese in the Wolf River basin is shown in the map. The concentration is generally low, indicating that the water is soft. The concentration is generally high, indicating that the water is hard.



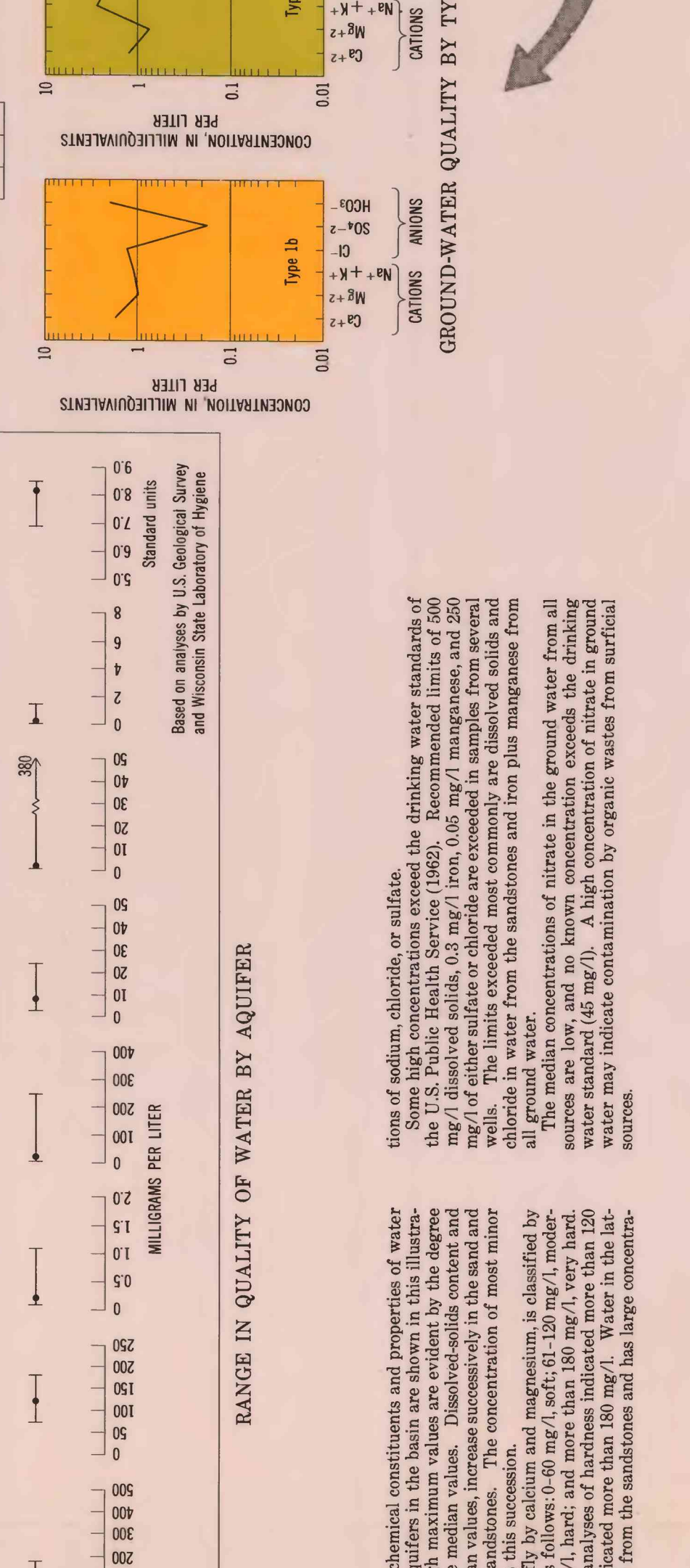
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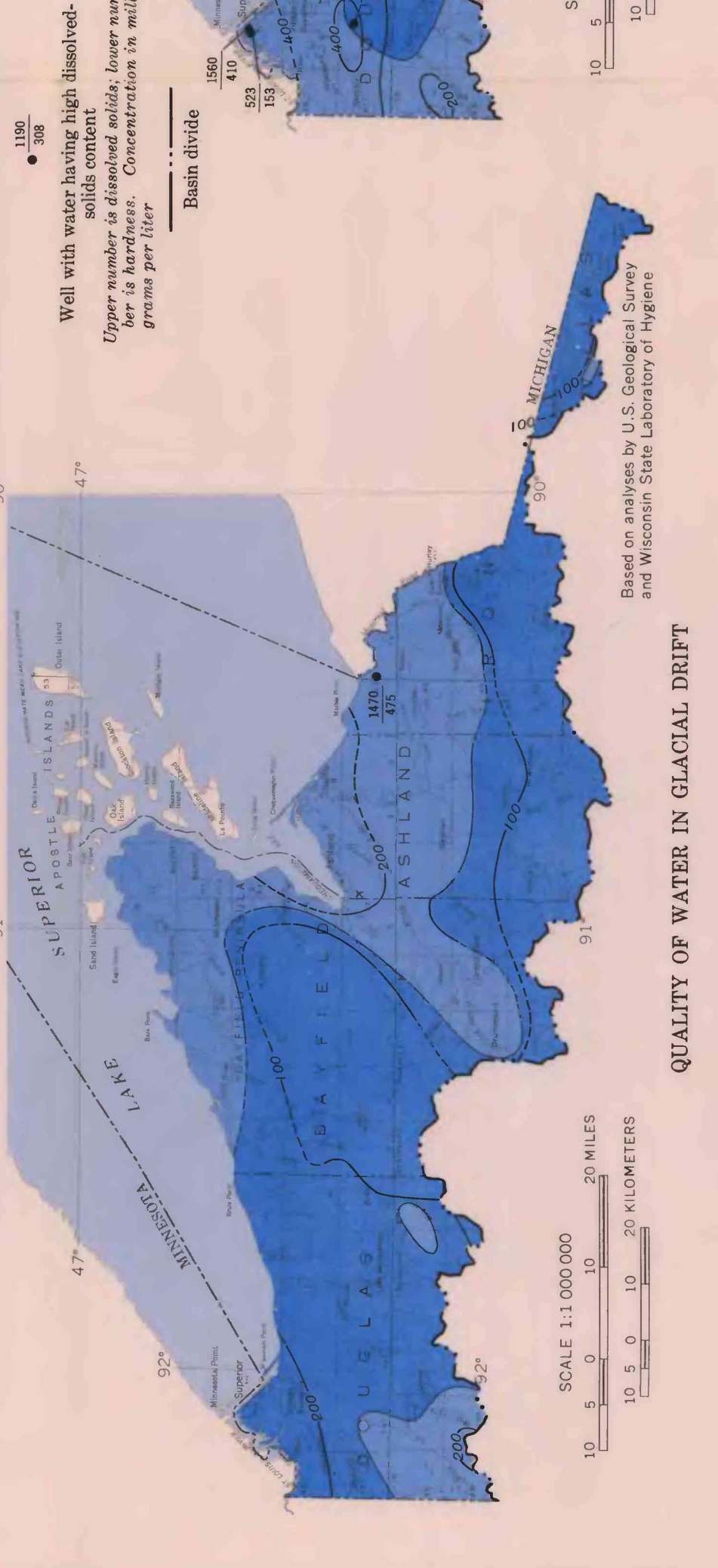
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