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COVER

Spirit Lake, 8 kilometers northeast of Mount St. Helens, Washington, following  
the eruption of 18 May 1980. Massive avalanches of debris and pyroclastic  
flows destroyed forests and soils. The deposition of such debris into the lake  
cause the surface level to rise about 40 meters and the area to increase 30 percent. Dissolved minerals and pyrolyzed- and steam-extracted ter- 
restrial organics stimulated microbial growth in the lake. See page 175. [Rob-  
et C. Wissmar, Fisheries Research Institute, University of Washington, Seattle 98195]