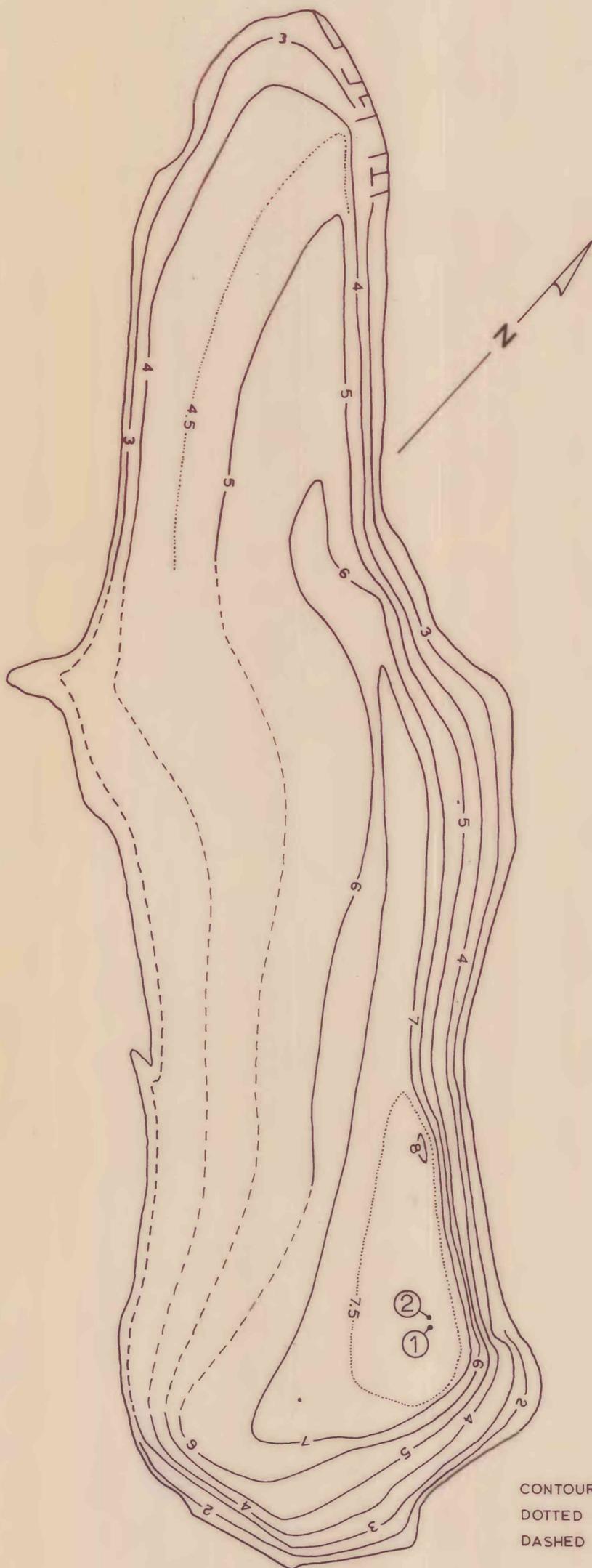


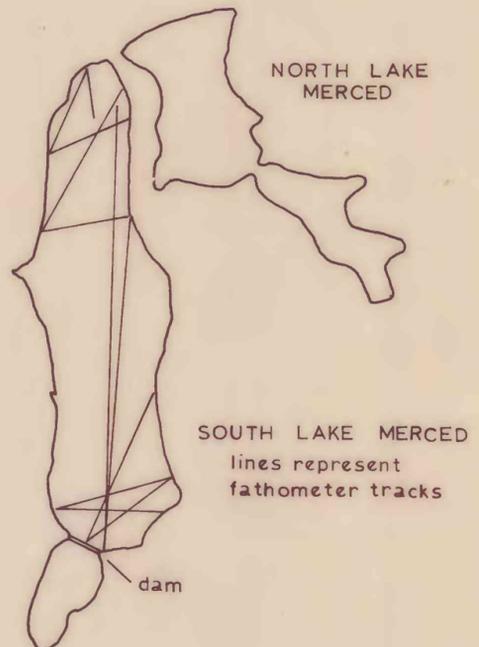
Two 1.5 m cores were removed from South Lake Merced as part of an ongoing study of deformation in lacustrine sediments. A preliminary bathymetric map was made to aid in selecting core sites. Cores were obtained using a Mackereth corer from a small boat (Mackereth, 1958). After retrieval the cores were extruded into polyethylene tubing to prevent moisture loss. The sediments, rich in organic material, vary in grain size from fine silt to medium sand. One centimetre thick slices of the cores were examined by X-ray radiography. The sediments appear to be homogeneous throughout, however this may in part be due to extensive bioturbation which would render deformed zones and other sedimentologic features uninterpretable. These cores may be examined by contacting:

John D. Sims
U.S. Geological Survey
345 Middlefield Road
Menlo Park, California 94025

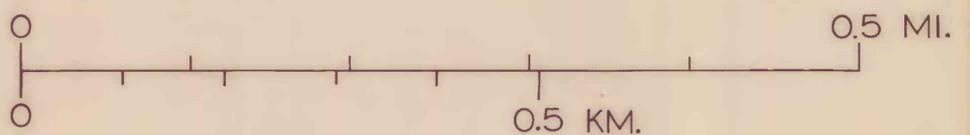
Mackereth, F.J.H., 1958, A portable core sampler for lake deposits: *Limnology and Oceanography*, v. 3, no. 2, p. 181-191.



AREA OF MAP



CONTOUR INTERVAL 1 METRE
DOTTED LINES REPRESENT 0.5-METRE CONTOURS
DASHED WHERE APPROXIMATE



This report is preliminary and has not been edited or reviewed for conformity with Geological Survey standards and nomenclature



**PRELIMINARY BATHYMETRIC MAP AND LOCATION OF
TWO CORES, SOUTH LAKE MERCED, SAN FRANCISCO,**

CALIFORNIA

**BY
MICHAEL G. REYER AND JOHN D. SIMS,**

1975

U.S. Geological Survey