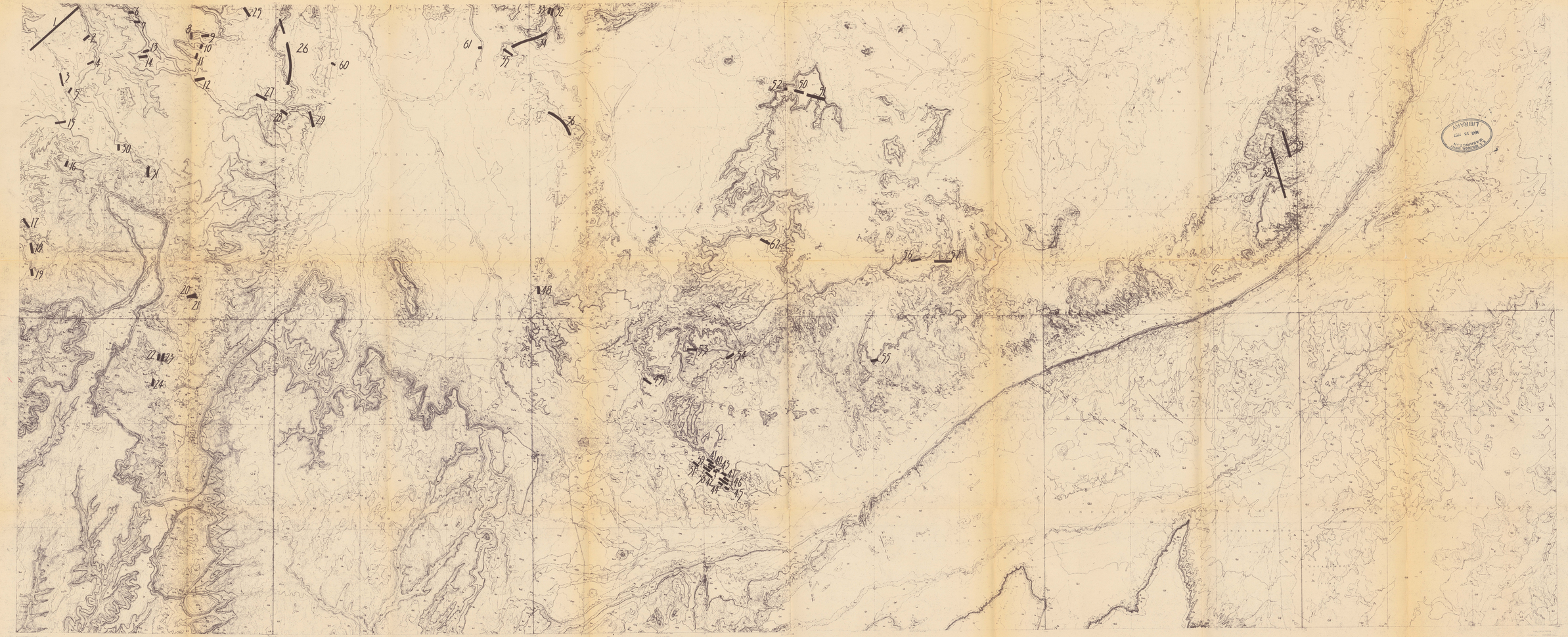

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N A V A J O
I N D I A N
R E S E R V A T I O N
MYSTERY VALLEY
M E S A
GREASEWOOD FLAT
SCALE 1:24000
1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
CONTOUR INTERVAL 40 FEET
DOTTED LINES REPRESENT HALF INTERVAL CONTOURS
DATUM IS MEAN SEA LEVEL
APPROXIMATE MEAN DECLINATION, 1952
1:48,000
EXPLANATION
SEDIMENTARY ROCKS
Qal Alluvium
Qd Dune sand
Qcl Colluvium
Qsg Sand and gravel
Qtb Talus blocks
Ql Landslide block
Qf Alluvial fan
Jms Salt Wash member
Jb Bluff sandstone
Js Summerville formation
Je Entrada sandstone
Jc Carmel formation
Jn Navajo sandstone
Jk Kayenta formation
Ѫw Wingate sandstone
Ѫc Church Rock member
Ѫo Owl Rock member
Ѫp Petrified Forest member
Ѫmb Monitor Butte member
Ѫs Shinarump conglomerate
Ѫm Moenkopi formation
Ph Hoskinnini tongue
Pd DeChelly sandstone member
Po Organ Rock tongue
Pc Cedar Mesa sandstone member
Pha Halgaito tongue
ERUPTIVE ROCKS
TQr Tertiary or Quaternary rubble
Ti Tertiary intrusives
Quaternary
Cenozoic
Morrison formation
San Rafael group
Glen Canyon group
Jurassic
Chinle formation
Triassic
Mesozoic
Cutler formation
Permian
Paleozoic
Definite contact
Graded or improved road
Indefinite contact
Unimproved road
Fault, dashed where inferred
Trail
Horizontal beds
Prospect
Strike and dip of beds
Operating mine
Strike and dip of joints
Abandoned mine
Strike of vertical joints
Dry hole

Geology mapped in 1951-1952 by I.J. Witkind, H.E. Malde, R.E. Thaden, E.J. McKay, D.H. Johnson, T.L. Finnell, J.D. Sears, R.J. Claus, and C.F. Lough, assisted by D.L. Johnson and F.D. Tinsley.

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Fig 3
pt.1

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PLEASE REPLACE IN POCKET
IN BACK OF BOUND VOLUME

This map is preliminary and has not been edited or reviewed for conformity with U. S. Geological Survey standards and nomenclature.

Figure 3-Channels in the Monument Valley area, Ariz. Piece 1 of 2

This map is preliminary and has not been edited or reviewed for conformity with U. S. Geological Survey standards and nomenclature.