



EXPLANATION

- Qal Alluvium
- Qd Dune sand
- Qsg Sand and gravel
- QTr Rubble
- Ti Intrusive rocks
- UNCONFORMITY
- Jms Salt Wash member of Morrison formation
- Jb Bluff sandstone
- Js Summerville formation
- UNCONFORMITY
- Je Entrada sandstone
- Jc Carmel formation
- UNCONFORMITY
- Jn Navajo sandstone
- Jk Kayenta formation
- Tw Wingate sandstone
- Tcc Church Rock member
- Tco Owl Rock member
- Tcp Petrified Forest member
- Tcm Monitor Butte member
- Tcs Shinarump member
- UNCONFORMITY
- Tm Moenkopi formation
- Pch Hoskinnini tongue
- UNCONFORMITY
- Pod De Chelly sandstone member
- Pco Organ Rock tongue
- Pcc Cedar Mesa sandstone member
- Pcha Halgaito tongue

- 34 Measured thickness of combined strata of Hoskinnini tongue of Cutler formation and Moenkopi formation
- 80 Isopach lines of combined thickness of Hoskinnini tongue of Cutler formation and Moenkopi formation
- Contact
- Dashed where indefinite
- 58 Trace of channel
- Dashed where approximately located
- Strike and dip of beds
- Strike and dip of joints
- Inclined shaft
- Adit

Base compiled on controlled aerial photomosaic supplied by U. S. Bureau of Indian Affairs

109° 52' 30"

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C. 10126

**GEOLOGIC MAP OF SWALES IN THE MONUMENT NO. 2 MINE AREA, ARIZONA, SHOWING A SWALE CUT IN THE MOENKOPI FORMATION AND PARALLELING MONUMENT NO. 2 CHANNEL**

SCALE 1:31 680

