Debris-Flow Deposits at the Mouths of Sabino and Bear Canyons, Pima County, AZ

by Ann Youberg, Michael L. Cline, Joseph P. Cook and Philip A. Pearthree
Cartography by Ryan J. Clark

September 2008
Arizona Geological Survey Digital Map Series
Debris Flow Map 1D (DM-DF-1D)

Generalized Map Unit Descriptions

In deposits that are identifiable as either leaves or snouts, the type of deposit is denoted by subscripted letter:
1 = Debris flow leaves
2 = Debris flow snouts

Dry young debris-flow deposits (latest Holocene to modern) - Debris-flow deposits found in and adjacent to active channels near the mountain front and at upper portions of active channels. These are deposits that are younger than 2,000 years (based on radiocarbon dating) and are subject to weathering by fluvial processes, so the extent and characteristics of deposits may change with time.

Intermediate debris-flow deposits (early to middle Holocene) - Debris-flow deposits found higher in the active channel deposits (based on radiocarbon dating) and are subject to weathering by fluvial processes, so the extent and characteristics of deposits may change with time.

Oldest debris-flow deposits (latest Pleistocene to early Holocene) - Debris-flow deposits in deposits found in the mountain front are oldest deposits (based on radiocarbon dating) and are subject to weathering by fluvial processes, so the extent and characteristics of deposits may change with time.

Highest standing debris-flow deposits.

Debris-flow deposits of similar age 1.5 to 2.5 in below 1Y1 deposits.

Pleistocene debris-flow deposits, unidentifiable - Debris-flow deposits that are either the oldest, or weathered deposits in the landscape and have clearly weathered out (PW), or are interbedded deposits that have been buried by younger debris flows and exposed through subsequent erosion.

Description of Debris-Flow Deposit Boundaries

Contact, accurately located

Contact, approximately located

Contact, concealed beneath development

Location Map

Showing Mapped Areas

Arizona Geological Survey
416 W. Congress Street, Suite 100
Tucson, AZ 85701
(520) 792-3500
www.agso.gov
