Surficial Geologic Map of Central Sauceda Valley, Barry M. Goldwater Air Force Range, Maricopa County, Arizona

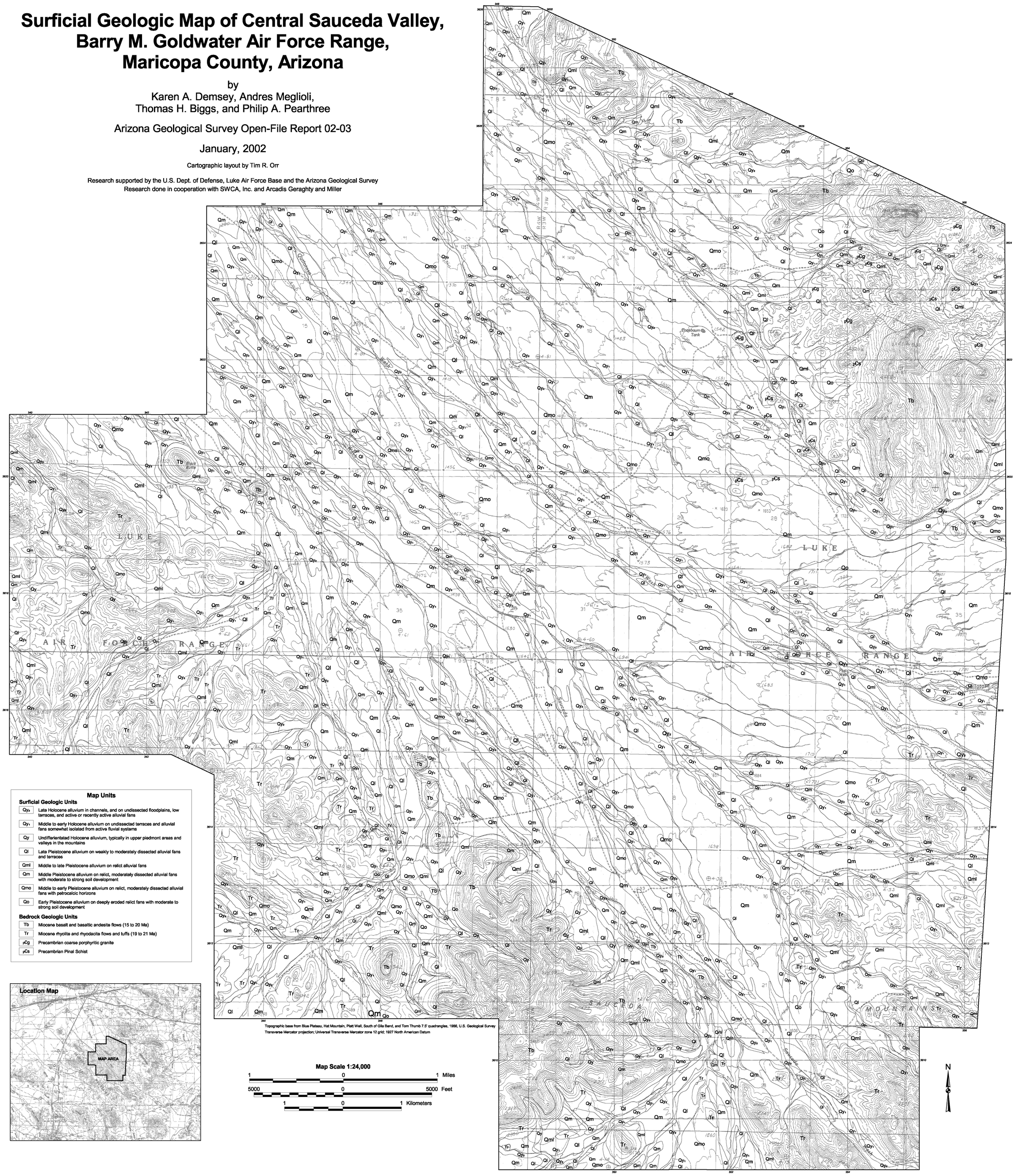
by
Karen A. Demsey, Andres Meglioli,
Thomas H. Biggs, and Philip A. Pearthree

Arizona Geological Survey Open-File Report 02-03

January, 2002

Cartographic layout by Tim R. Orr

Research supported by the U.S. Dept. of Defense, Luke Air Force Base and the Arizona Geological Survey
Research done in cooperation with SWCA, Inc. and Arcadis Geraghty and Miller



Map Units

Surficial Geologic Units

Qy_2	Late Holocene alluvium in channels, and on undissected floodplains, low terraces, and active or recently active alluvial fans
Qy_1	Middle to early Holocene alluvium on undissected terraces and alluvial fans somewhat isolated from active fluvial systems
Qy	Undifferentiated Holocene alluvium, typically in upper piedmont areas and valleys in the mountains
Ql	Late Pleistocene alluvium on weakly to moderately dissected alluvial fans and terraces
Qml	Middle to late Pleistocene alluvium on relict alluvial fans
Qm	Middle Pleistocene alluvium on relict, moderately dissected alluvial fans with moderate to strong soil development
Qmo	Middle to early Pleistocene alluvium on relict, moderately dissected alluvial fans with petrocalcic horizons
Qo	Early Pleistocene alluvium on deeply eroded relict fans with moderate to strong soil development

Bedrock Geologic Units

Tb	Miocene basalt and basaltic andesite flows (15 to 20 Ma)
Tr	Miocene rhyolite and rhyodacite flows and tuffs (19 to 21 Ma)
pCg	Precambrian coarse porphyritic granite
pCs	Precambrian Pinal Schist