Possible volcanic vent
Overlook low shield

Dikes
Concentric feeder dikes
Intercalated tephra deposits with 6"-22" slope angle of the Control Tower vent +/- radial and concentric feeder dikes

Stanwix low shield distal
tephra deposits with 6"-22" slope angle of the Stanwix vent +/- radial and concentric feeder dikes

Sentinel Peak low shield midflank
Basaltic pahoehoe flows of the Sentinel Peak LS vent with <0-2" slope angle and possible alluvial cover
Basaltic pahoehoe flows and near-vent pyroclastic deposits and intercalated lenses of the Sentinel Peak LS vent +/- radial and concentric feeder dikes

Sentinel Peak low shield summit
Geomorphic scarp
Fault, concealed
Contact, accurately located
Feature reflecting folding above the contact

Geologic map of the Sentinel-Arlington volcanic field, western Maricopa County and eastern Yuma County, Arizona

September 2014
Arizona Geological Survey Contributed Map CM-14-A, version 1.0
Scale 1:100,000 (with accompanying report)
Shelby R. Cave
Arizona State University

Summary
The Sentinel-Arlington volcanic field extends over about 80 km from Sentinel volcanic sub-field west of Gila Bend northeastward through Arlington volcanic sub-field near Gila Bend (Fig. 9). The field is bounded by the sag of the Gila River and the northern end of the field by the sag of the Colorado River. The volcanic rocks in the Sentinel-Arlington volcanic field are dominantly basaltic flows and lapilli-tuff deposits. Volcanic rocks in the field are olivine-clinopyroxene basalts with SiO₂ content of ~45-52% (Leeman, 1970; Cave et al., 2007). One sample yielded a U-Pb zircon age of 1.25 ± 0.024 Ma for the Arlington volcanic sub-field (Spencer, 2013).

Map units
Contact, accurately located
Contact, approximately located
Fault, accurately located
Fault, inferred
Fault, unconformity
Geomorphic scarp
Volcanic vent ("LS" = low shield)
Possible volcanic vent
Dikes
Feature reflecting folding above the contact
Area mantled by Quaternary sedimentary deposits

Map symbols

Spencer, 2013).