Preliminary Surficial Geologic Map of Leuhrman Ridge and the Surrounding Area, Edwards Air Force Base and Air Force Research Laboratory, Kern and San Bernardino Counties, California

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LIST OF MAP UNITS

SURFICIAL DEPOSITS

Intermediate-age alluvial fan deposits (middle to late Pleistocene)
Young alluvial fan deposits composed primarily of grus (latest Pleistocene to Holocene)
Active wash deposits (latest Holocene)

EOLIAN DEPOSITS

Intermediate-age eolian deposits (middle to late Pleistocene)
Intermediate-age eolian sand-sheet deposits (middle to late Pleistocene)
Intermediate-age mixed alluvial fan and eolian sand deposits (middle to late Pleistocene)
Young mixed alluvial fan and eolian sand deposits (latest Pleistocene to Holocene)
Intermediate-age groundwater-discharge deposits (middle to late Pleistocene)

MIXED ALLUVIAL FAN AND EOLIAN DEPOSITS

Substrate materials (pre-Quaternary)

EXPLANATION OF MAP SYMBOLS

- Solid where location is accurate, dotted where location is concealed, queried where identity or existence is questionable
- Inclined foliation
- Normal fault
- Gradational contact
- Porphyritic granodiorite (Cretaceous)
- Leucocratic granite (Cretaceous)
- Leucocratic granite (Cretaceous)
- Intermediate-age groundwater-discharge deposits (middle to late Pleistocene)
- Intermediate-age mixed alluvial fan and eolian sand deposits (middle to late Pleistocene)
- Young mixed alluvial fan and eolian sand deposits (latest Pleistocene to Holocene)
- Intermediate-age eolian sand-sheet deposits (middle to late Pleistocene)
- Intermediate-age eolian deposits (middle to late Pleistocene)

CORRELATION OF MAP UNITS

SURFICIAL DEPOSITS
ALLUVIAL FAN DEPOSITS
GROUNDWATER-DISCHARGE DEPOSITS
MIXED ALLUVIAL FAN AND EOLIAN DEPOSITS
EOLIAN DEPOSITS
SUBSTRATE MATERIALS (PRE-QUATERNARY)

ANALYSIS OF MAP UNITS

- Leucocratic granite (Cretaceous)
- Porphyritic granodiorite (Cretaceous)
- Intermediate-age groundwater-discharge deposits (middle to late Pleistocene)
- Intermediate-age mixed alluvial fan and eolian sand deposits (middle to late Pleistocene)
- Young mixed alluvial fan and eolian sand deposits (latest Pleistocene to Holocene)
- Intermediate-age eolian sand-sheet deposits (middle to late Pleistocene)
- Intermediate-age eolian deposits (middle to late Pleistocene)

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2020–2021; minor revisions, 2022. Post-infrared–infrared luminescence geochronology by Harrison J. Gray and

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