PRELIMINARY GEOLOGIC MAP OF THE SLEEPY VALLEY 7.5 QUADRANGLE
LOS ANGELES COUNTY, CALIFORNIA: A DIGITAL DATABASE

VERSION 1.0
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Jacobson, C.E., Barth, A.P., and Grove, M., 2000, Late Cretaceous protolith age and provenance of the Pelona and Orocopia
Basal conglomerate (Late Oligocene) Breccia (Late Oligocene) Ritter Formation
Modern alluvial fan deposits (Holocene) Ponded alluvium (Holocene)

feldspar exsolution lamellae, or mesoperthite (Ehlig, 1975). Samples also contain few plagioclase crystals, and muscovite replacing biotite (D.M. Morton, personal comm., 2012).

Breccia (Late Oligocene) Ritter Formation
Modern alluvial fan deposits (Holocene) Ponded alluvium (Holocene)

felsic detritus in ferruginous sandy matrix, mainly clast-supported, clasts up to 15 cm. Minor thin discontinuous sand-and conglomerate, subrounded to angular clasts of leucocratic granitic, syenitic, dioritic and augen gneissic coarse pebbly arkose. Pebbles are angular, blocky, and mainly consist of granitic and with some diorite clasts.

Dense, fluvial gravel, sand and silt. Fine to coarse-grained sand and gravel. Unconsolidated fine- to coarse-grained sand, with some gravel and boulders. Unconsolidated to weakly consolidated, dark gray to light tan, fine-grained biotite muscovite granite. Resistant outcrops, – light yellowish-gray to light tan, fine-grained biotite muscovite granite. Resistant outcrops, – Unconsolidated, loose sand and rubble transported predominantly by mass wasting and oversteepened landslides.

Fault - Solid where accurately located; dashed where approximately located; unlocated where not mapped or inferred.

Jacobson, C.E., 1983, Structural geology of the Pelona Schist and Vincent thrust, San Gabriel Mountains, California: Geological

Intrusive Rocks – Mesozoic and/or Older

- Late Cretaceous shallow marine to continental, medium-grained to coarsegrained sandstone with thin interbeds of siltstone, mudstone and minor siltstone, fine-grained biotite muscovite granite. Resistant outcrops, – light yellowish-gray to light tan, fine-grained biotite muscovite granite. Resistant outcrops, – Unconsolidated, loose sand and rubble transported predominantly by mass wasting and oversteepened landslides.

Jacobson, C.E., 1983, Structural geology of the Pelona Schist and Vincent thrust, San Gabriel Mountains, California: Geological