### LIST OF UNITS IN THE SAN BERNARDINO 30' X 60' QUADRANGLE

<table>
<thead>
<tr>
<th>Unit Name</th>
<th>Description</th>
<th>Age</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Old alluvial-valley deposits, Unit 1</td>
<td>Late to middle Pleistocene</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Old alluvial-fan deposits</td>
<td>Late to middle Pleistocene</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Young alluvial-valley deposits, Unit 2</td>
<td>Middle Holocene</td>
<td></td>
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<td>Young alluvial-fan deposits, Unit 4</td>
<td>Late Holocene</td>
<td></td>
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<tr>
<td>Young wash deposits, Unit 2</td>
<td>Early Holocene</td>
<td></td>
<td></td>
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<tr>
<td>Very young slopewash deposits</td>
<td>Late Holocene</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Artificial fill</td>
<td>Late Holocene</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### GENERIC QUATERNARY UNITS COMMON TO ALL

- **Old alluvial-valley deposits, Unit 1** (Late to middle Pleistocene)
- **Old alluvial-fan deposits** (Late to middle Pleistocene)
- **Young alluvial-valley deposits, Unit 2** (Middle Holocene)
- **Young alluvial-fan deposits, Unit 4** (Late Holocene)
- **Young wash deposits, Unit 2** (Early Holocene)
- **Very young slopewash deposits** (Late Holocene)
- **Artificial fill** (Late Holocene)

### SAN GABRIEL MOUNTAINS ASSEMBLAGE

- **Layered gneiss, undifferentiated** (Proterozoic)
- **Granulitic gneiss, mylonite, and cataclasite** (Proterozoic)
- **Diorite and gabbro of Bare Mountain** (Triassic)
- **Heterogeneous granitic rocks of La Verne area** (Cretaceous)
- **Tonalite of San Gabriel Reservoir** (Cretaceous)
- **Tonalite of San Sevaine Lookout** (Cretaceous)
- **Granodiorite of Dorr Canyon** (Cretaceous)
- **Mixed leucocratic and granitic rocks** (Cretaceous)
- **Mixed metamorphic and granitic rocks of Big Dalton Canyon** (Mesozoic to Proterozoic)
- **Equigranular leucocratic biotite quartz monzonite**
- **Limestone lenses**
- **Layered gneiss, Unit 3**
- **San Gabriel Mountains Ophiolite**
- **Eocene greenstone belt**
- **Granodiorite of Telegraph Peak** (Oligocene)
- **Vasquez Formation** (Early Miocene to Late Oligocene)
- **Basalt flows**
- **Andesite dikes**
- **Undifferentiated**
- **Breccia unit**
- **Diorite-clast unit**
- **Volcanic-clast unit**
- **Fine-grained unit**
- **Units between northern and southern Nadeau Faults**

### SAN BERNARDINO MOUNTAINS ASSEMBLAGE

- **Andesite volcanics**
- **Layered gneiss, undifferentiated** (Proterozoic)
- **Granulitic gneiss, mylonite, and cataclasite** (Proterozoic)
- **Diorite and gabbro of Bare Mountain** (Triassic)
- **Heterogeneous granitic rocks of La Verne area** (Cretaceous)
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- **Volcanic-clast unit**
- **Fine-grained unit**
- **Units between northern and southern Nadeau Faults**

### BAJADA SEDIMENTS

- **Old eolian deposits (sheet sand)**, Unit 3 (Late to Middle Pleistocene)
- **Old alluvial-valley deposits, Unit 1** (Late to Middle Pleistocene)
- **Old alluvial-fan deposits** (Late to Middle Pleistocene)
- **Young alluvial-valley deposits, Unit 2** (Middle Holocene)
- **Young alluvial-fan deposits, Unit 4** (Late Holocene)
- **Young wash deposits, Unit 2** (Early Holocene)
- **Very young slopewash deposits** (Late Holocene)
- **Very old alluvial-fan deposits** (Middle to Early Pleistocene)
- **Very old alluvial-fan deposits, Unit 3** (Middle to Early Pleistocene)
- **Very old landslide deposits** (Middle to Early Pleistocene)
- **Very old landslide deposits, Unit 3** (Middle to Early Pleistocene)
- **Very old alluvial-fan deposits** (Middle to Early Pleistocene)
- **Very old alluvial-fan deposits, Unit 3** (Middle to Early Pleistocene)
- **Old eolian deposits (sheet sand)**, Unit 3 (Late to Middle Pleistocene)

### BAJADA AND PROXIMAL SEDIMENTS

- **Old eolian deposits (sheet sand)**, Unit 3 (Late to Middle Pleistocene)
- **Old alluvial-valley deposits, Unit 1** (Late to Middle Pleistocene)
- **Old alluvial-fan deposits** (Late to Middle Pleistocene)
- **Young alluvial-valley deposits, Unit 2** (Middle Holocene)
- **Young alluvial-fan deposits, Unit 4** (Late Holocene)
- **Young wash deposits, Unit 2** (Early Holocene)
- **Very young slopewash deposits** (Late Holocene)
- **Very old alluvial-fan deposits** (Middle to Early Pleistocene)
- **Very old alluvial-fan deposits, Unit 3** (Middle to Early Pleistocene)
- **Old eolian deposits (sheet sand)**, Unit 3 (Late to Middle Pleistocene)

### DEPOSITIONAL PROCESSES

- **Old eolian deposits (sheet sand)**, Unit 3 (Late to Middle Pleistocene)
- **Old alluvial-valley deposits, Unit 1** (Late to Middle Pleistocene)
- **Old alluvial-fan deposits** (Late to Middle Pleistocene)
- **Young alluvial-valley deposits, Unit 2** (Middle Holocene)
- **Young alluvial-fan deposits, Unit 4** (Late Holocene)
- **Young wash deposits, Unit 2** (Early Holocene)
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- **Very old alluvial-fan deposits** (Middle to Early Pleistocene)
- **Very old alluvial-fan deposits, Unit 3** (Middle to Early Pleistocene)
- **Old eolian deposits (sheet sand)**, Unit 3 (Late to Middle Pleistocene)

### COMPARATIVE STUDIES

- **Old eolian deposits (sheet sand)**, Unit 3 (Late to Middle Pleistocene)
- **Old alluvial-valley deposits, Unit 1** (Late to Middle Pleistocene)
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