

Lefthand Page Features:

Geologic Units

- Qa Alluvium (Holocene) Unweathered present day stream and river deposits that lie outboard of Qsc, but inside first low terraces and form natural levees and broad alluvial fans.
- t Dredge Tailings
- Qsc Stream Channel Deposits (Holocene) Active stream channel deposits without permanent vegetation, usually light tan to gray.
- Qb Basin deposits (Holocene) Dark fine-grained silt and clay deposits that are the distal facies of Qa. Provide the rich and valuable farmland of the Sacramento Valley.
- Qmu Modesto Formation, upper member (Pleistocene) Unconsolidated, unweathered gravel, sand, silt and clay with deposits usually only a few meters thick.
- Qml Modesto Formation, lower member (Pleistocene) Unconsolidated, slightly weathered gravel, sand, silt and clay.
- Qru Riverbank Formation, upper member (Pleistocene) Unconsolidated but compact, dark-brown to red alluvium composed of gravel, sand, silt with minor clay.
- Qrl Riverbank Formation, lower member (Pleistocene) Red semiconsolidated gravel, sand and silt. Comprises the higher of the Riverbank terraces and remnants of dissected alluvial fans.
- Qrb Red Bluff Formation (Pleistocene) A thin veneer of distinctive, highly weathered bright-red gravels beveling and overlying the Tehama, Tuscan and Laguna Formations.
- Qtl Turlock Lake Formation (Pleistocene) Deeply weathered and dissected arkosic gravels with minor resistant metamorphic rock fragments and quartz pebbles.
- Tla Laguna Formation (Pliocene) Interbedded alluvial gravel, sand and silt with larger clasts composed of quartz and metamorphic rocks with arkosic matrix.
- TI Lovejoy Basalt (Miocene) Black, dense, hard, micro-crystalline to extremely fine grained, equigranular to sparsely porphyritic basalt.
- Ti lone Formation (Eocene) Light-colored, commonly white conglomerate, sandstone and claystone. Generally soft, deeply eroded and marked by numerous landslides.
- pKmi Metamorphic and Igneous Rocks (Pre-Cretaceous) Undivided slate, quartzite, metaconglomerate, marble, metavolcanic rocks, serpentinite, metagabbro, diorite and monzonite.

- X Riprap
- 2001 Feather River Channel

Bank Composition Types

- Alluvial
- Bedrock
- Flood Plain
- lone
- Laguna
- Laguna (gravel?)
- Laguna?
- Levee
- Levee ?
- Modesto
- Slickens
- Tailings

Righthand Page Features:

Feather River Channel Mapping

- 2001 River Channel
- 1986 River Channel
- 1967 River Channel
- 1956 River Channel
- 1909 River Channel

- + River Miles
- Erosion Site Boundaries

Historic Meander Belt

- Approximately
- ?-?-? Inferred
- Certain

Background Imagery:

- WR-BQS-C 1:7200 color photography November 2001
- USGS DOQQs where color photography was not available