

Gold Mining in USA



SOME EARLY GOLD DATES

Early 1500's – Spanish legends of California golden riches. World different had Spanish exploited deposits

1753 – Ponce de Leon lands in Florida - told of Indian tribes with much gold. Indigenous Indians cry out - "Well, there goes the neighborhood"

1799 – 28-pound gold nugget found Reed, NC

First American "gold rush" from 1799 to 1828

NC gold mining produced \$110,000 @ \$20/oz. = 345#



1829 — Gold discovered near Richmond, VA By 1833 Belzoro Mine (Bel Oro) operated for many years. Traced to pyrite+gold quartz vein in schist-gneiss



aka Belzow Mine Goochland Co. VA



~1830s – Gold rushes in GA and AL results in US Mints in Charlotte, Dahlonega, and New Orleans.

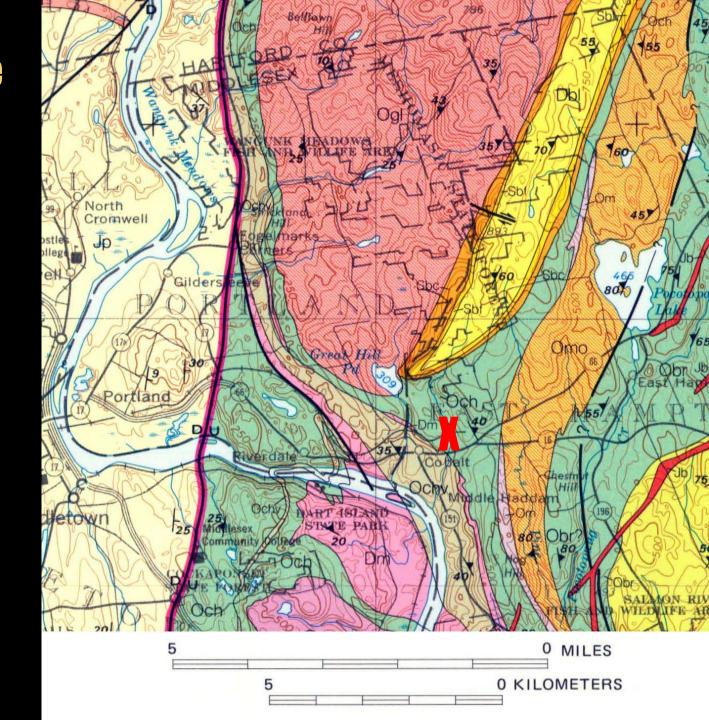
1804 to 1866 – Appalachian production amounted to \$20,000,000, far exceeding earlier NC show Eastern miners paramount in exporting means and methods to CA when gold was discovered there 1848

Appalachian gold in Connecticut



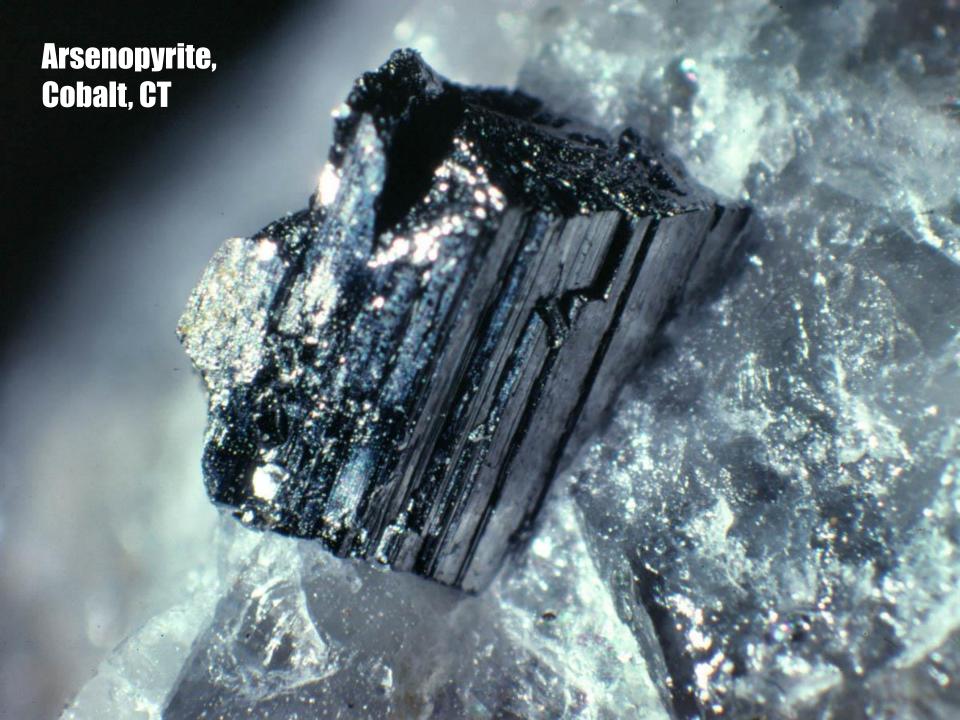
Arsenopyrite Mine, Cobalt, CT

Cobalt Mine Cobalt, CT





Robert's Lode, Arsenopyrite Mine, Cobalt, CT









1825 – Jedediah Smith discovers gold near Mono Lake, CA leading a trapping party for American Fur Company. Returned with miners in 1826 but entire party killed. AFC stopped all mineral exploration as a result

1826 – Argonauts (adventurous trappers and frontiersmen) trickle of inhabitants "discovered" CA Jedediah Smith, Joseph Walker, Sylvester Pattie, Benjamin Wilson, Peter Lassen, and Kit Carson

Arrival disturbed native Mexicans. American sovereignty was established after the Bear Flag Revolt, and the Mexican War

Establishment of the short-lived California Republic

1839 – Swiss immigrant, John Sutter, settled in northern CA and created a small empire Purchased all Russian holdings at Fort Ross including ships, cattle, and farm implements and arsenal captured by the Russians during Napoleon's 1813 retreat from Moscow. All of these materials were moved to Sutter's Fort near Sacramento, CA





1842 – Gold placer found in San Francisquito Canyon near San Fernando Jesuit Mission. This and earlier reports of gold of Jesuit fathers largely ignored

Deposit not rich enough to last beyond a few years

Gold sent to Philadelphia Mint for coinage

American government did not publicize the discovery until change of ownership of region planned

When California admitted to the Union 09 Sep 1850 as the 31st state, discovery announced to populate area

1844 – John Bidwell (an employee of John A. Marshall) lost his chance at fame when a Mexican worker informed him that gold was to be found in the Sierra Nevada

Mexicans came from Sonora in Old Mexico, a region with a deep mining history

Workers asked for a "batea" in order to prove the richness of California gold but Bidwell thought exotic implement of some kind

Thus, the worker's request for a batea (wooden bowl) was overlooked until James W. Marshall "discovered" gold in Coloma, CA in 1848

~19 January 1848 – Four or five pieces of gold found in tail race of John A. Sutter's sawmill in Coloma, CA on the south fork of the American River by James W. Marshall

A few days later, a few ounces of gold were delivered to John Sutter whereupon discovery acknowledged and announced (24 January 1848)

Discovery initiates California gold rush and opens west

Minor incursion of argonauts transformed into flood of adventurers from world-wide locations

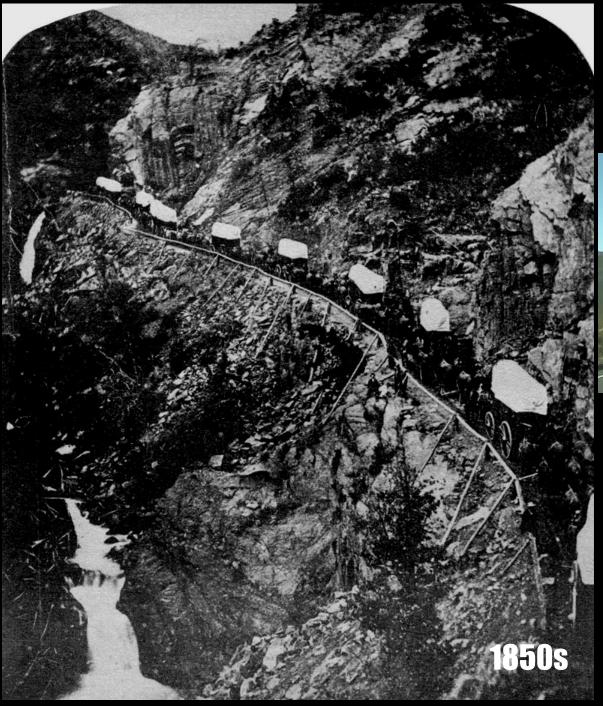
Use of Donner and Carson passes brought settlers across the high Sierra into the gold belt – the Mother Load



Sutter's Mill On-Site Replica Coloma, CA



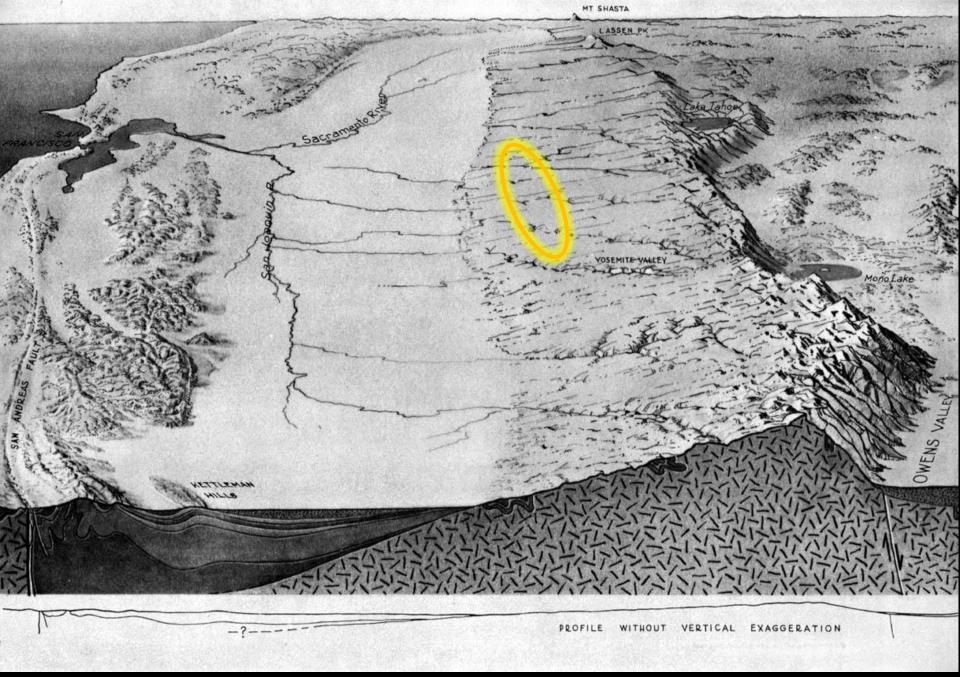


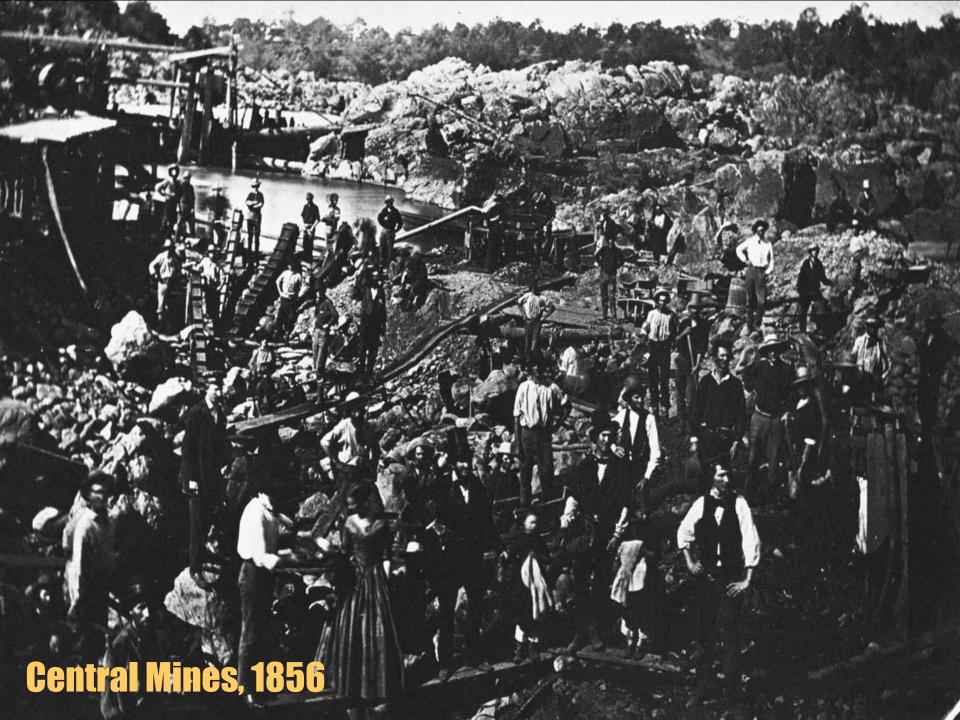


Argonauts

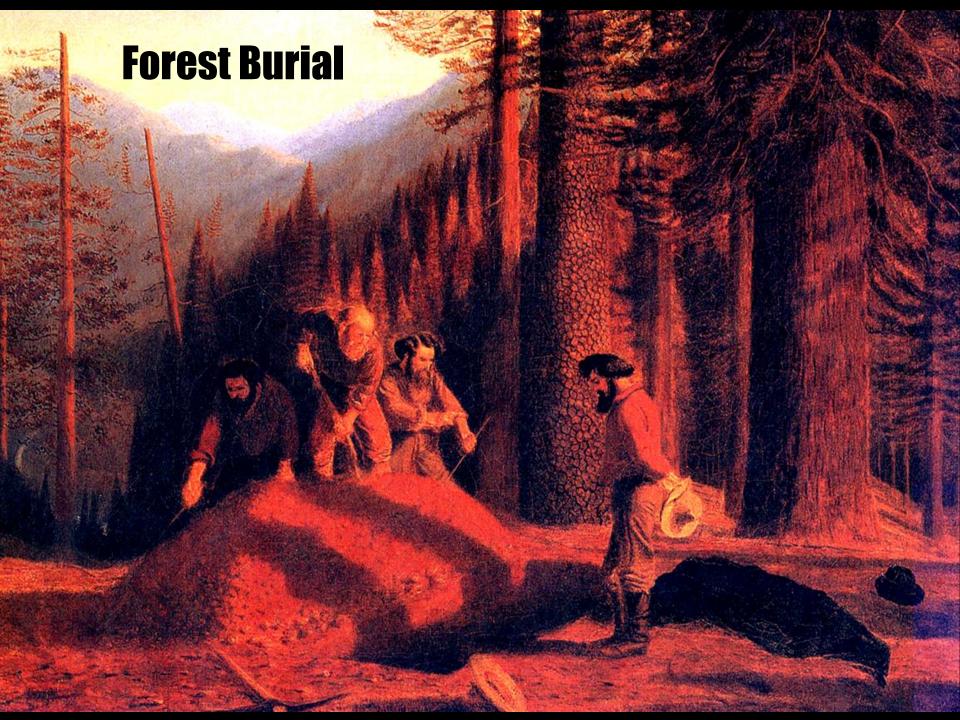


2004











Alla!! Finally! Now He's Going to Talk About CA Rocks



Californ-i-ay



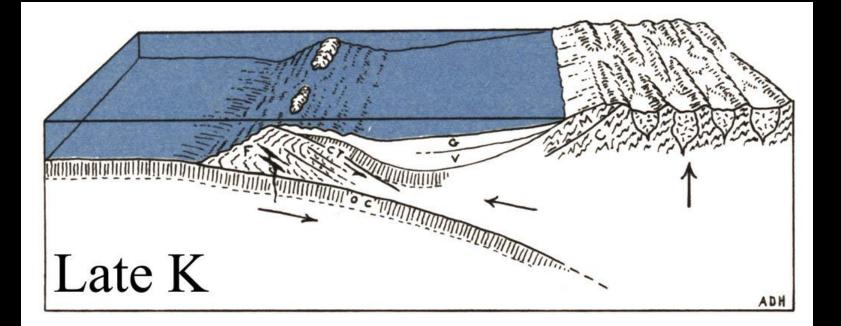


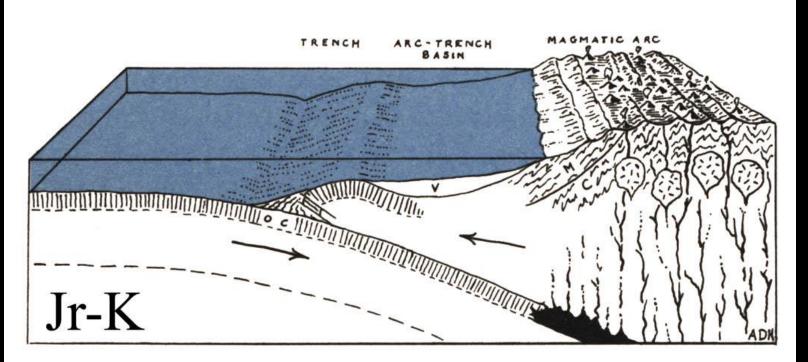


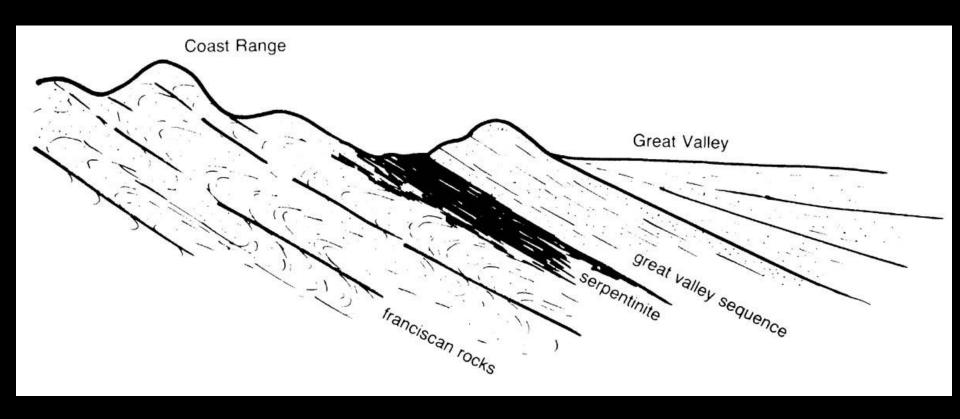




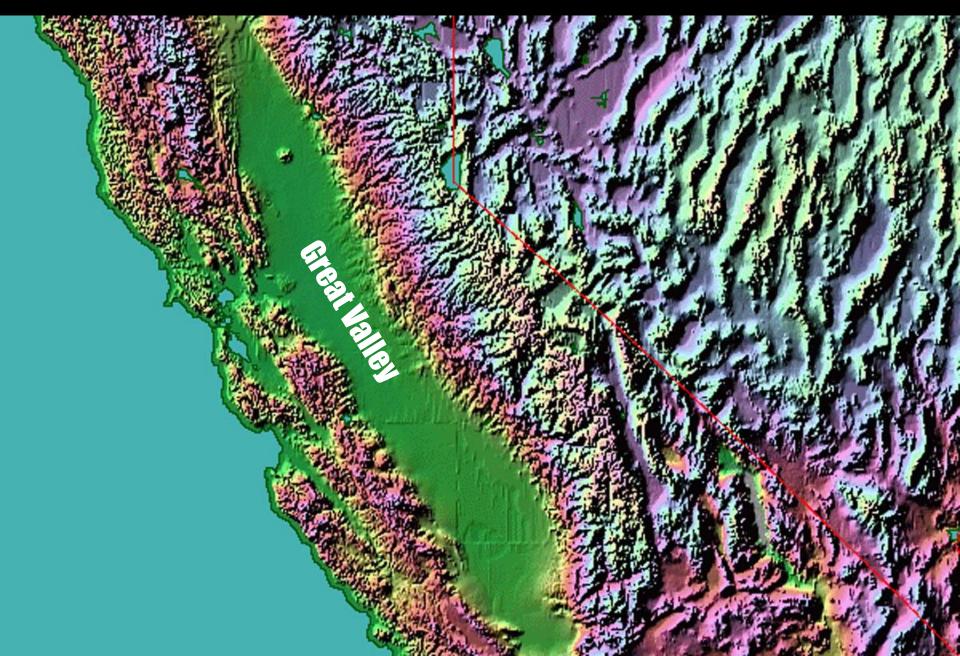






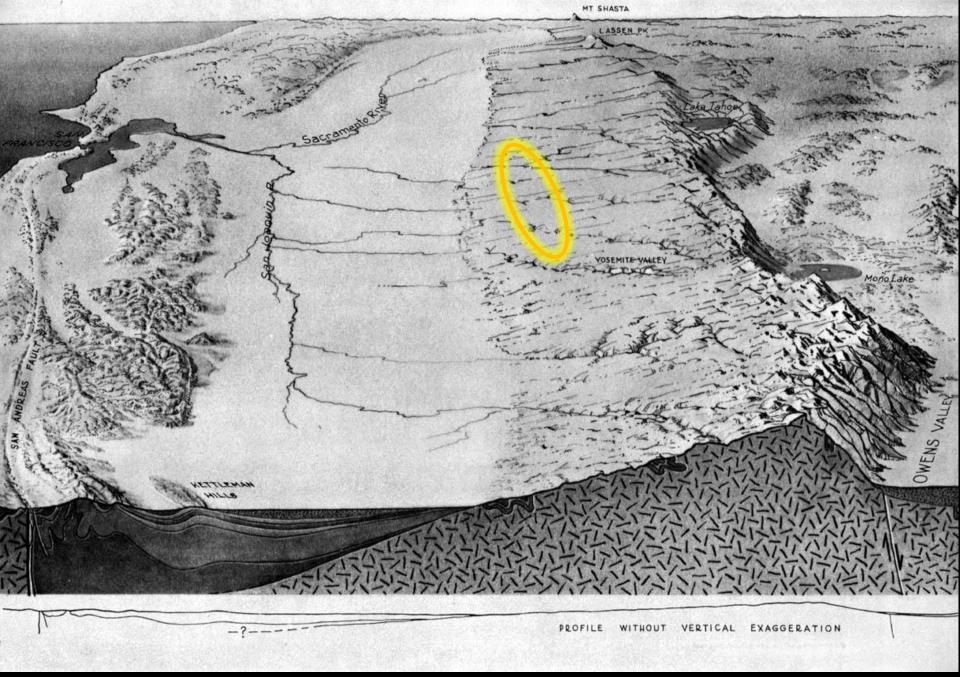


Great Valley



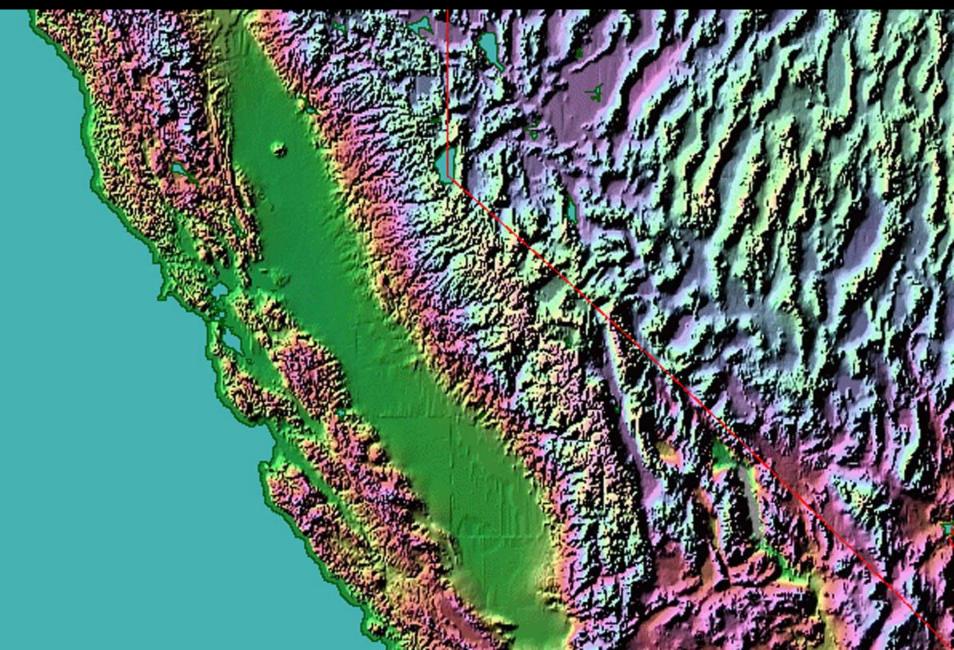


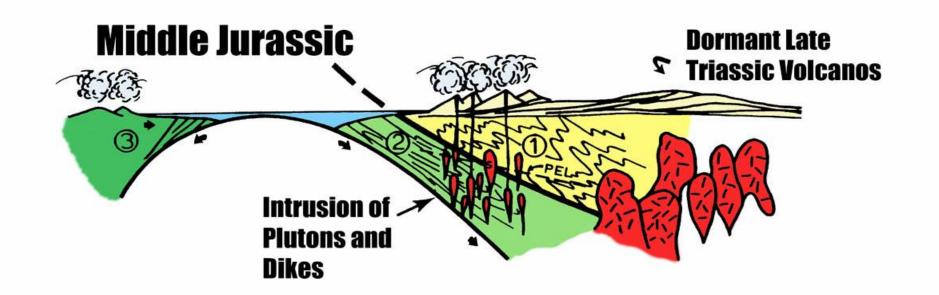
Mt. Shasta

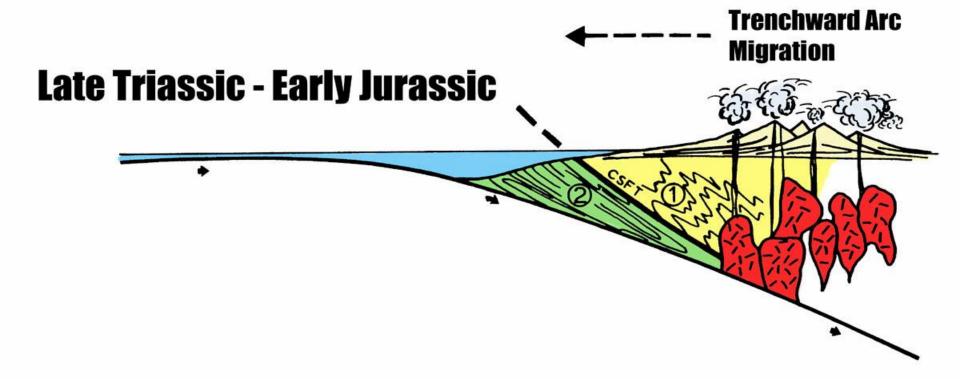


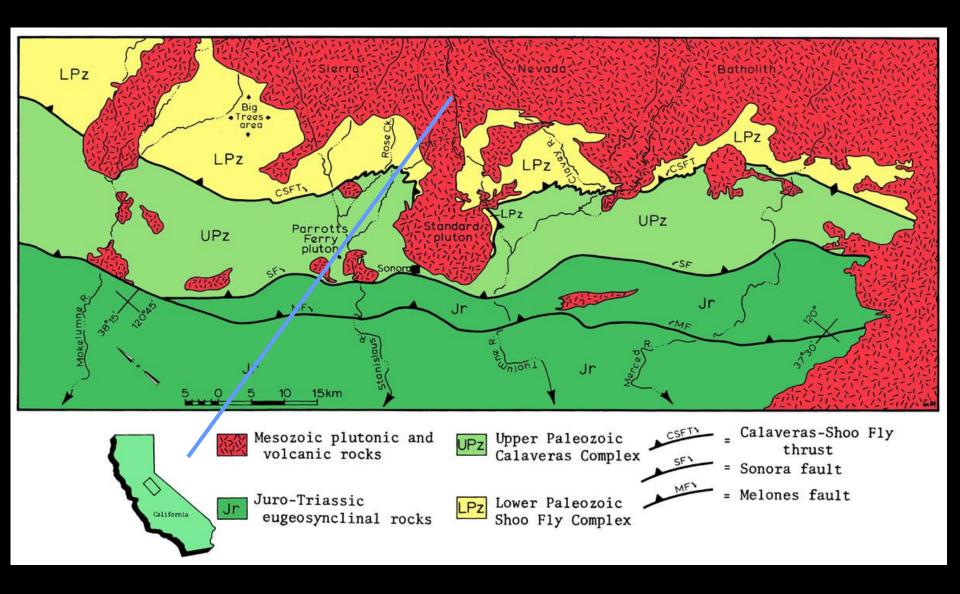


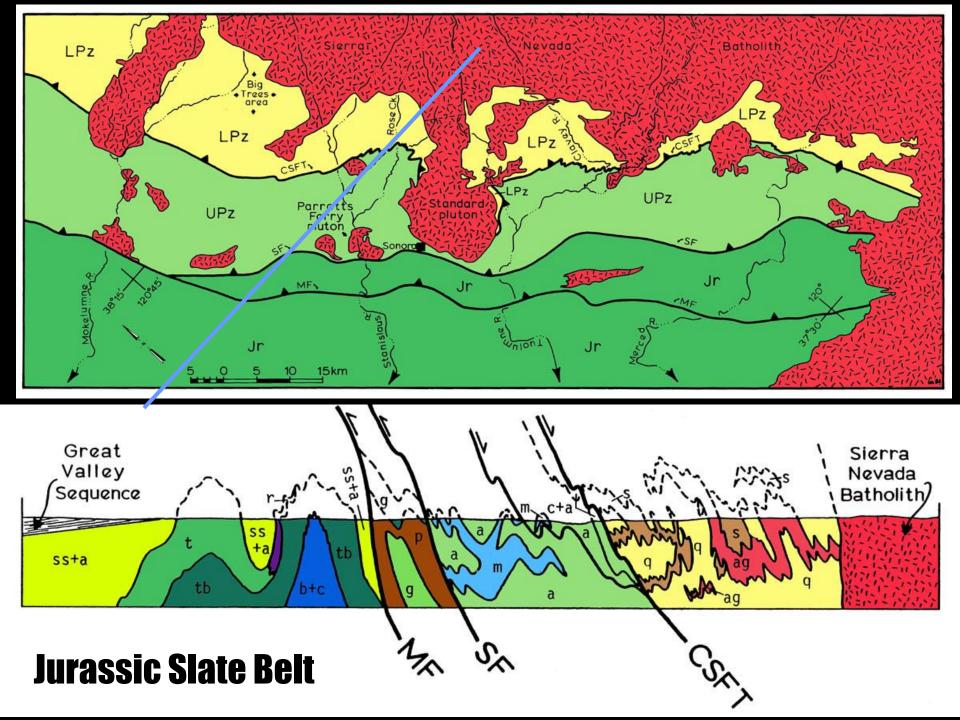
Sierra Nevada Range







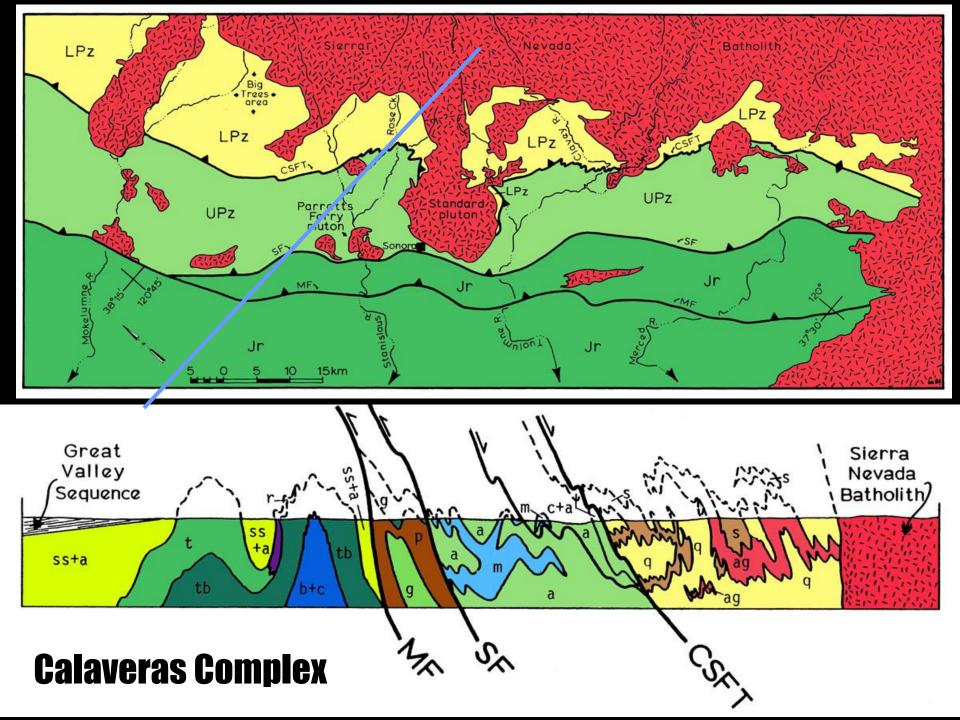








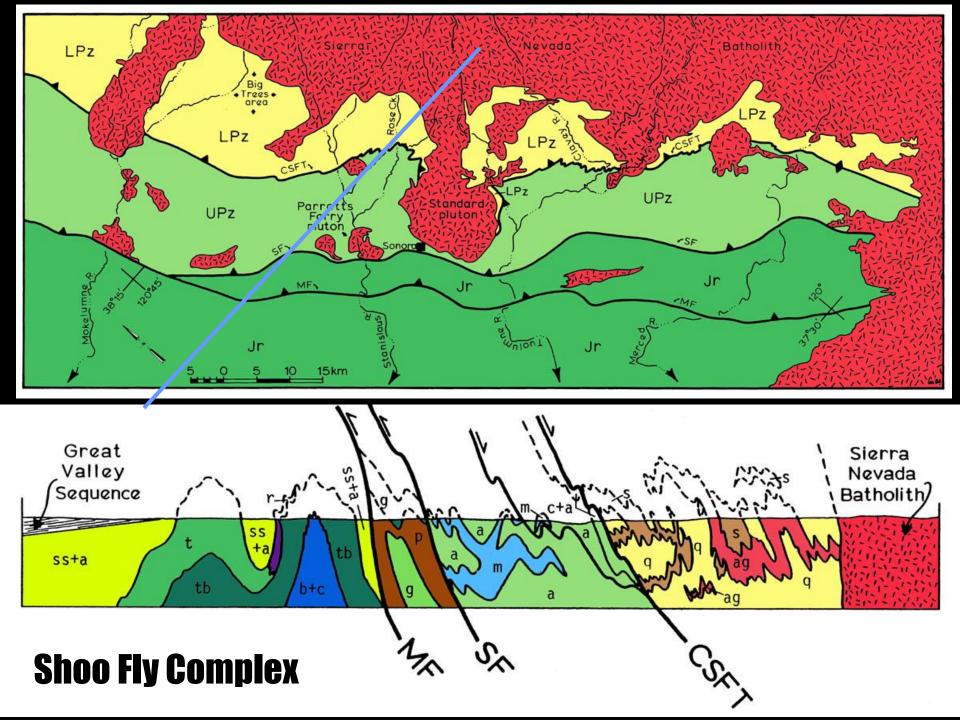






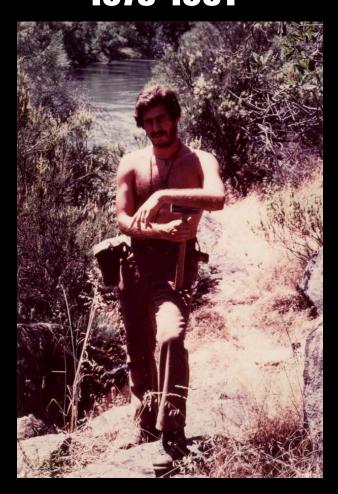


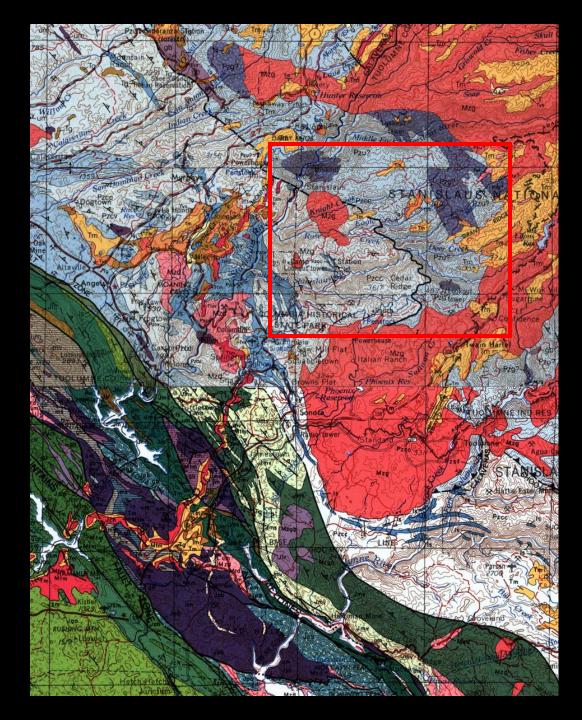


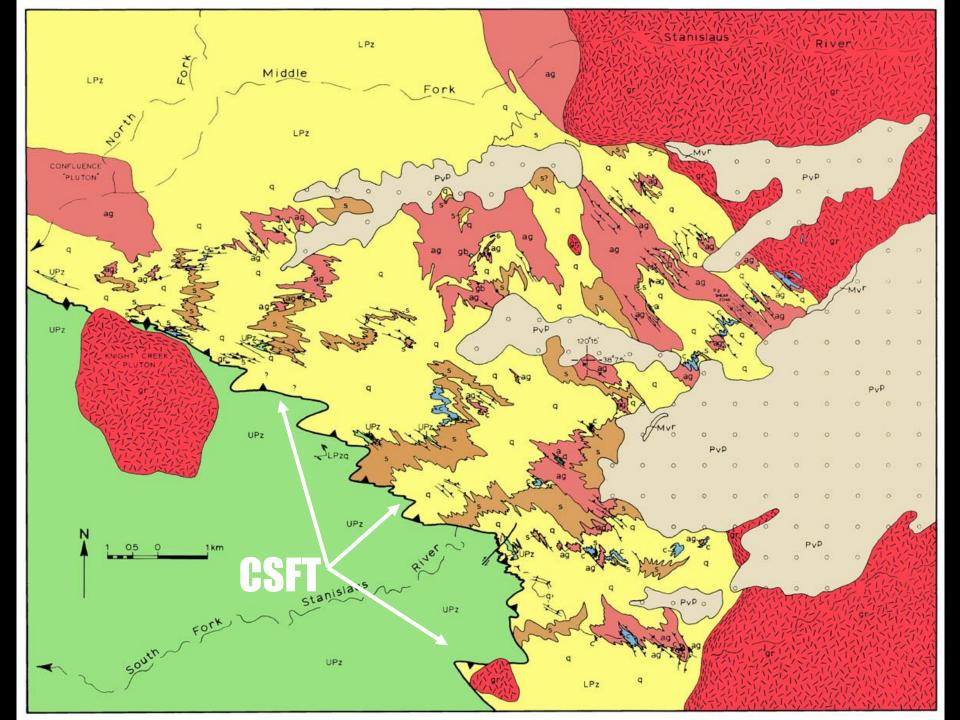




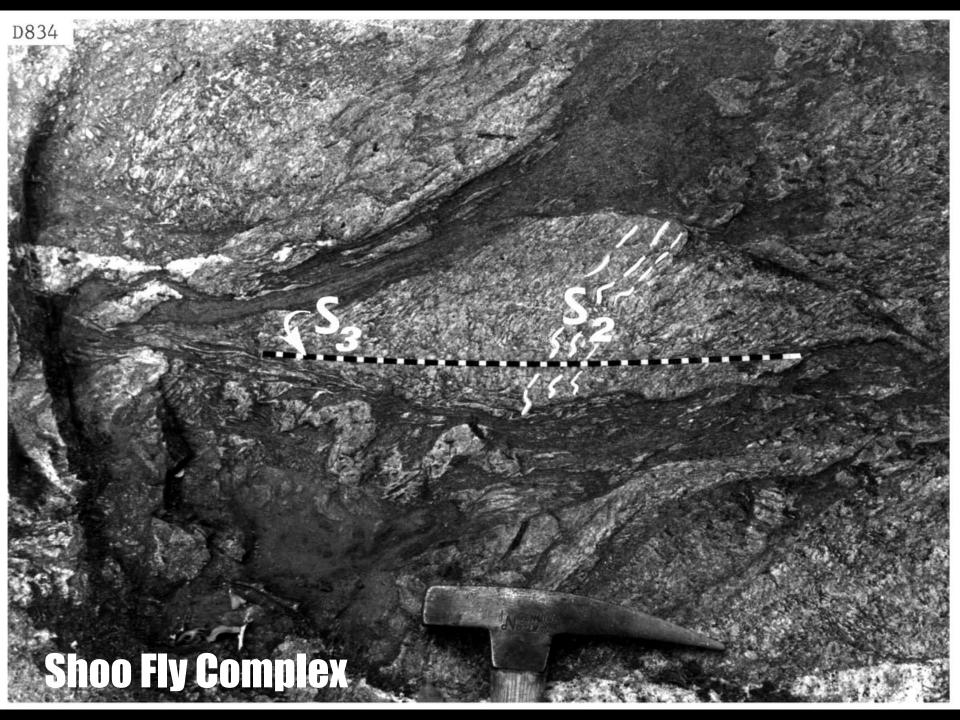
Geologic Mapping Shoo Fly Complex 1978-1981



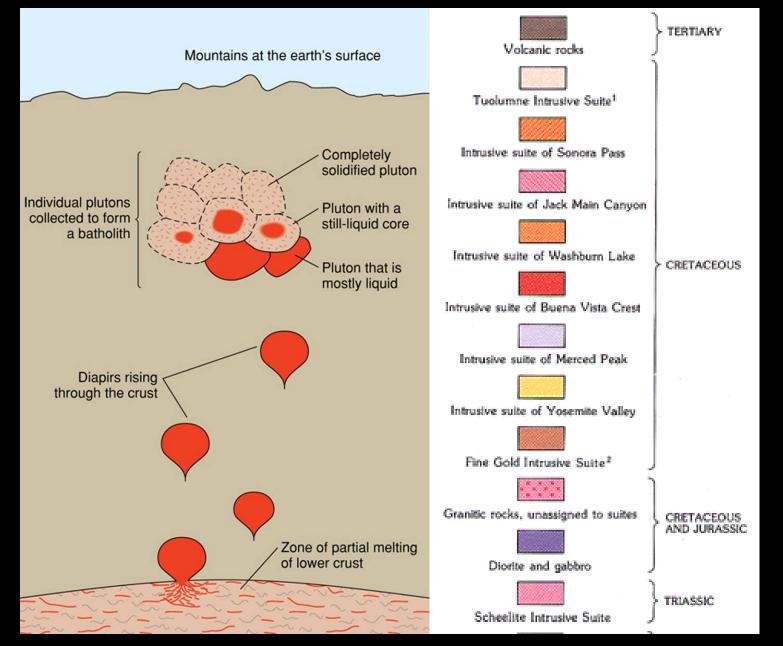








High Sierra





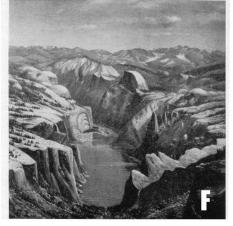












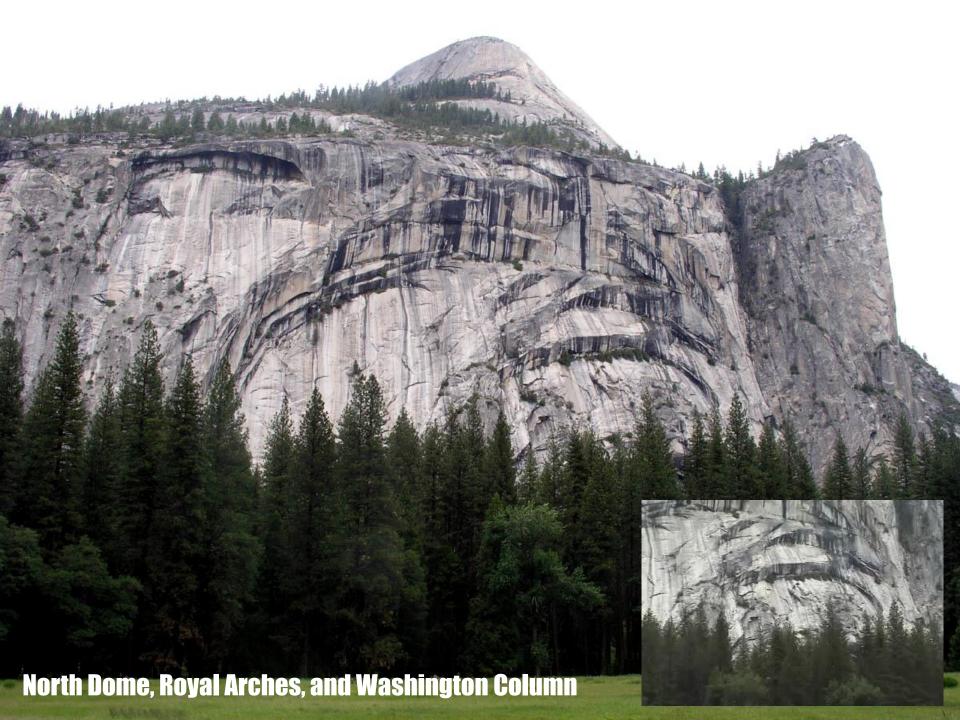
Yosemite Valley





Half Dome Yosemite









Two Principle Mining Methods

1) Surface Mining
Panning
Cradle
Sluice
Placer

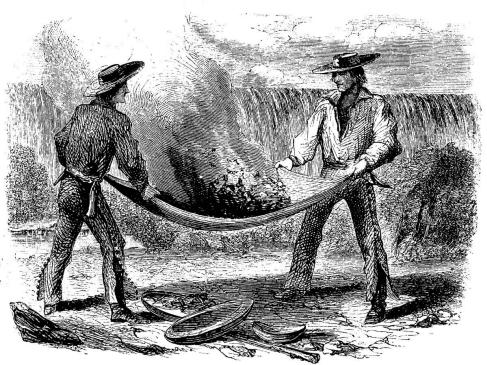
2) Hard Rock Mining

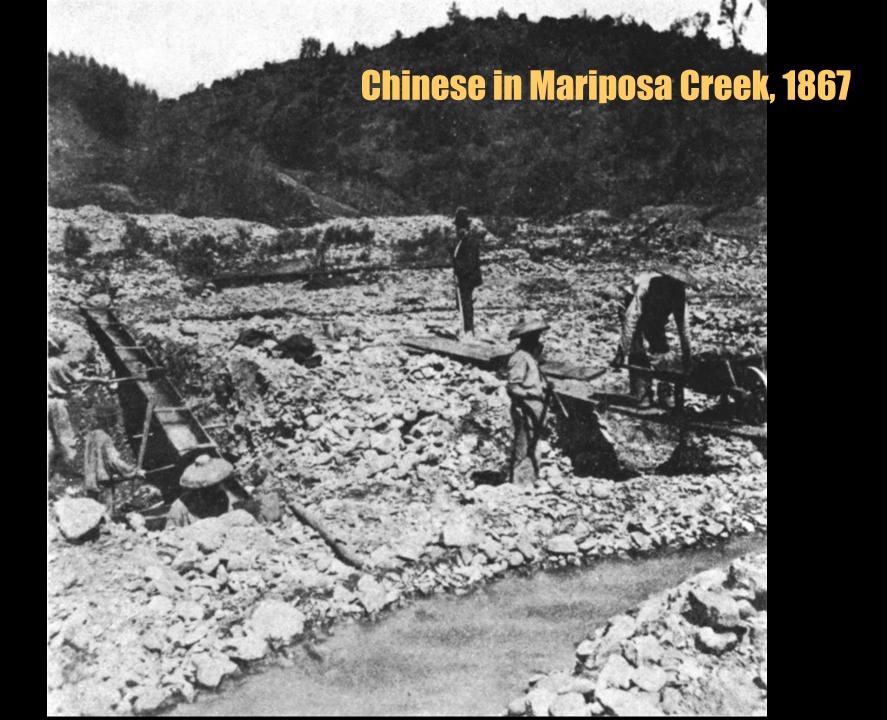






Sonorans Washing Gold







The Cradle

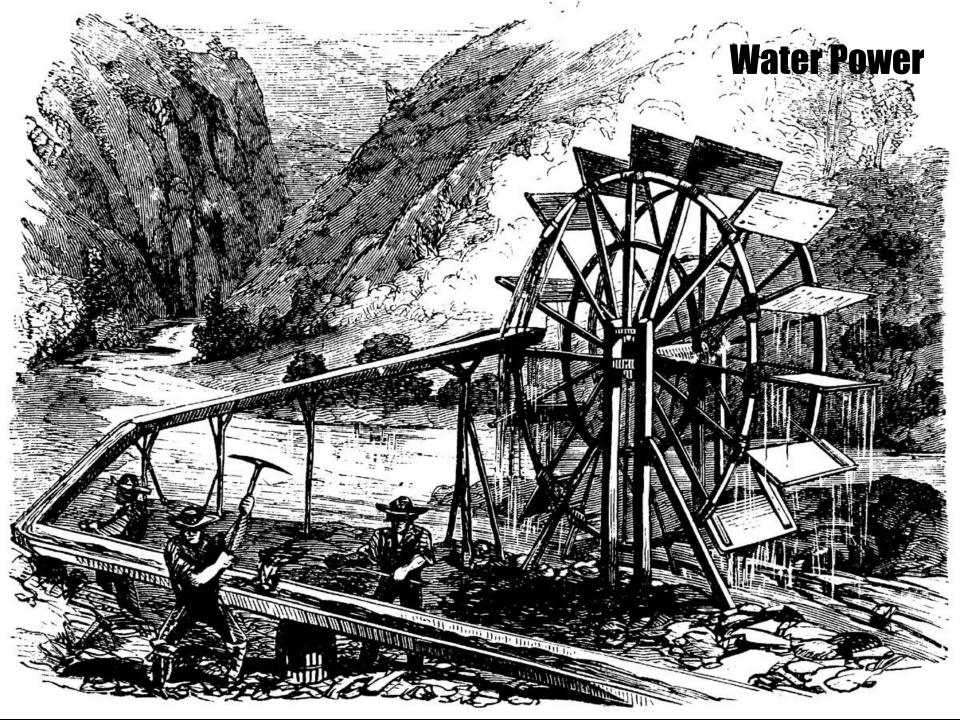




Water Power

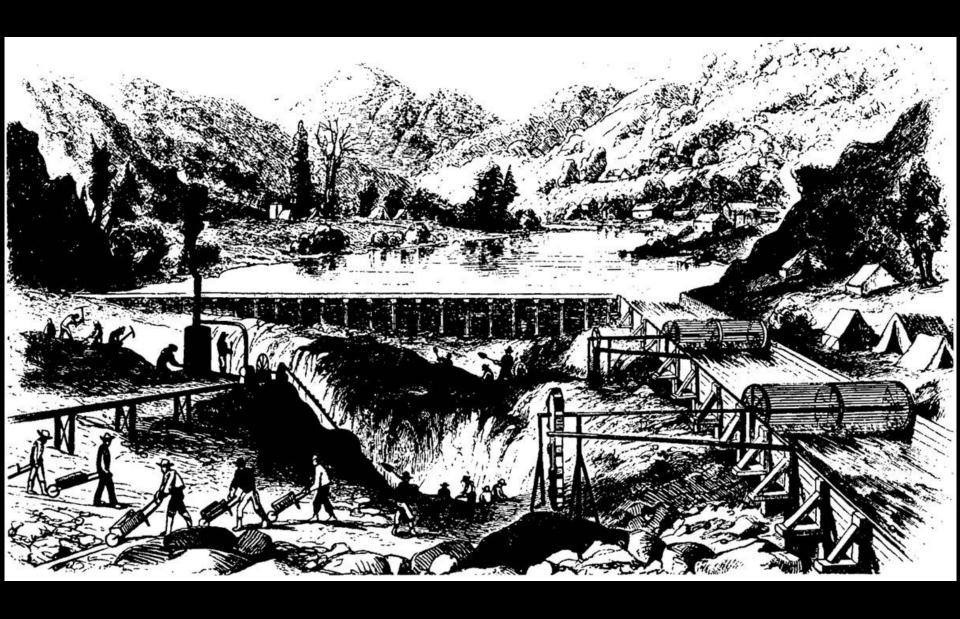


Grizzly Flat District, 1850's

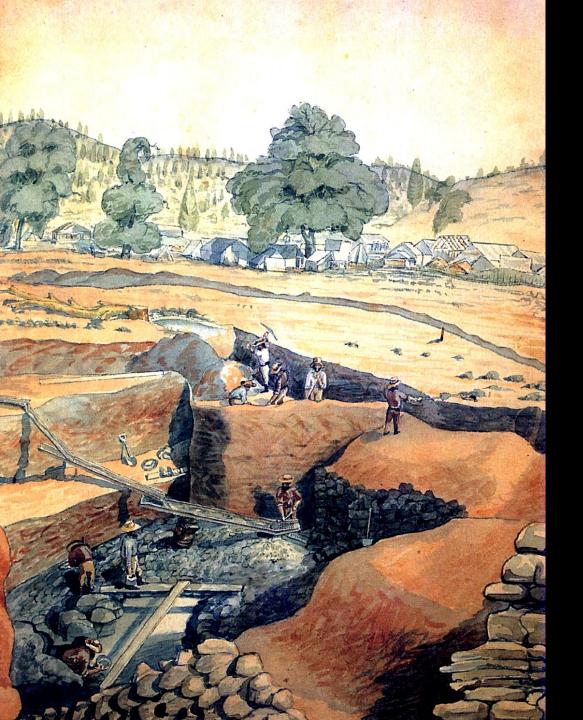




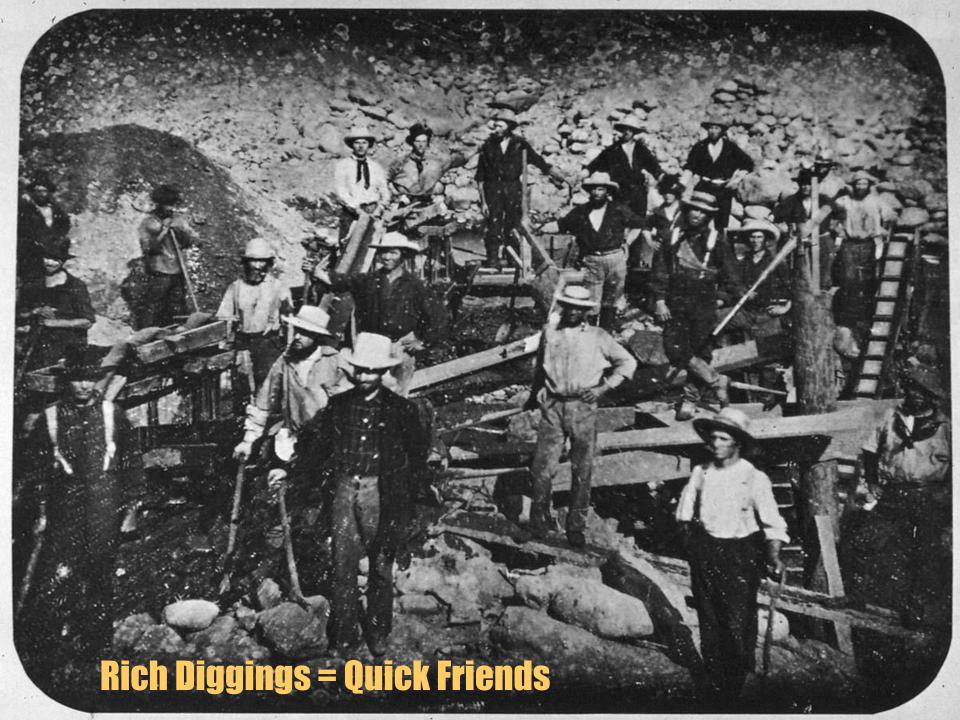
River Bed Mining



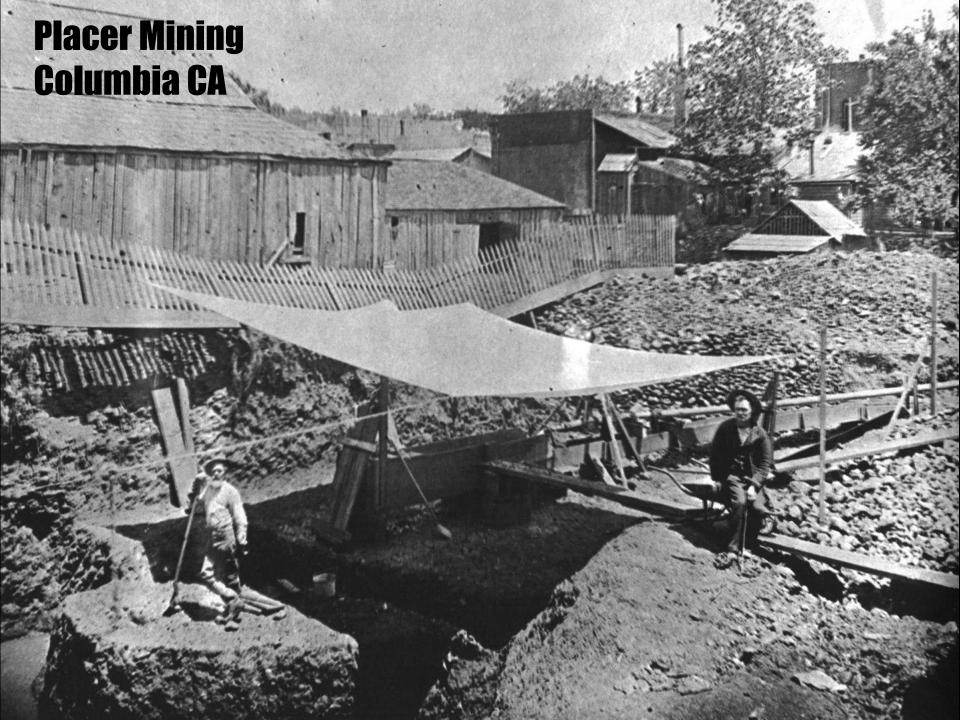
Diversion of Streams, Murderer's Bar



Diversion of Streams

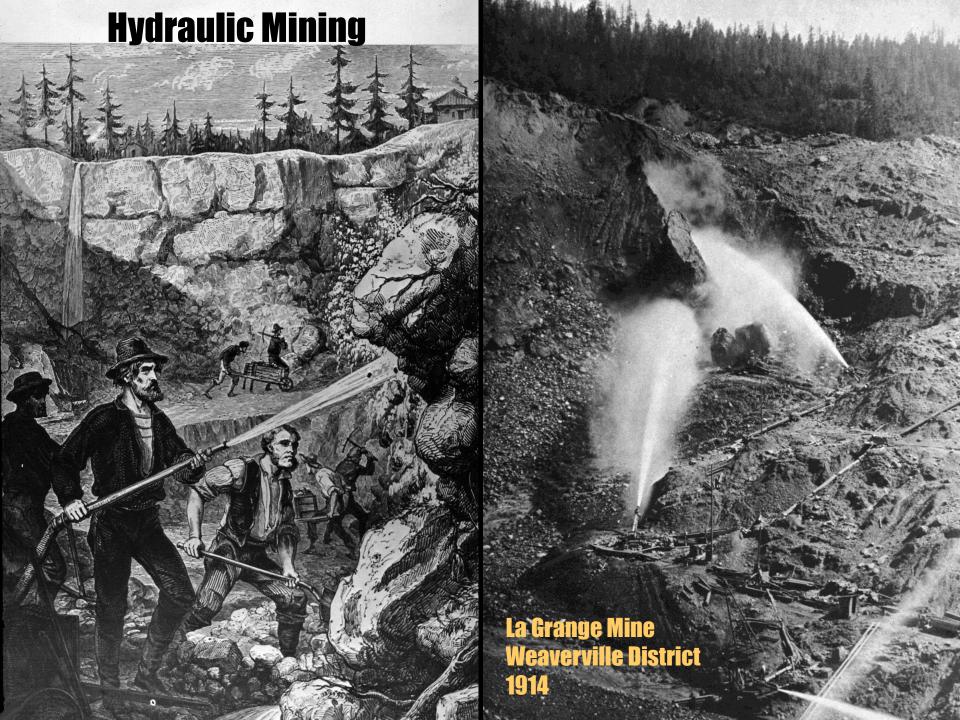








Columbia CA

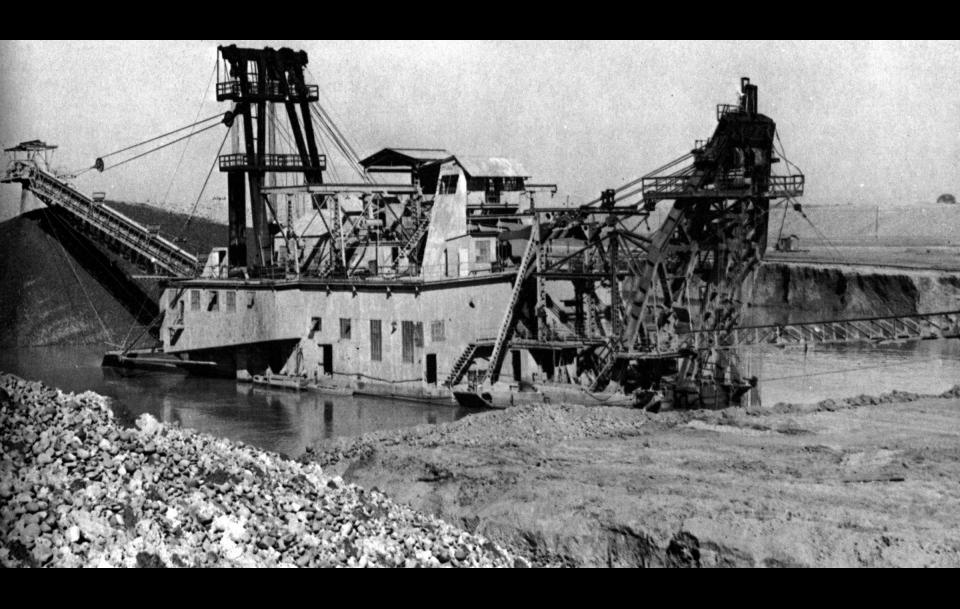




Michigan Bar 1860s



Princess Mine Shasta County 1900



Suction Dredge 1953

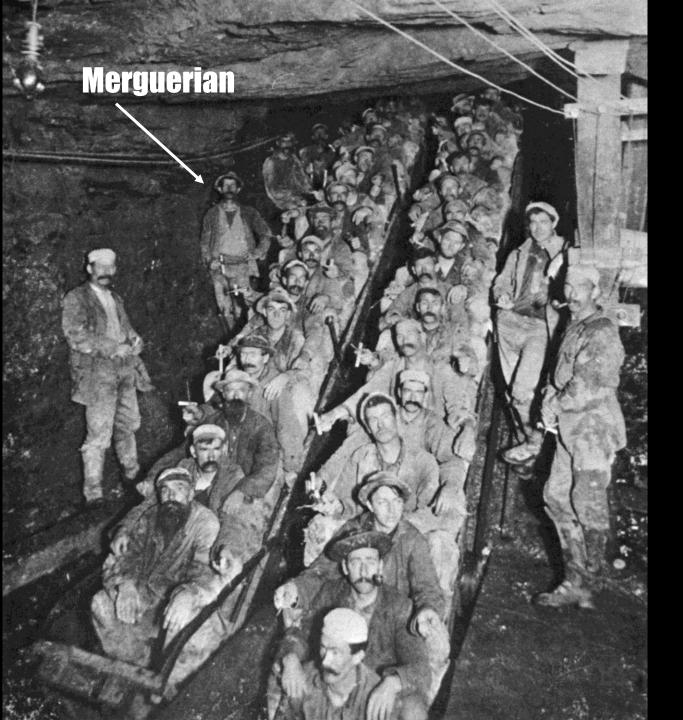
Running Hard Rock Tunnel





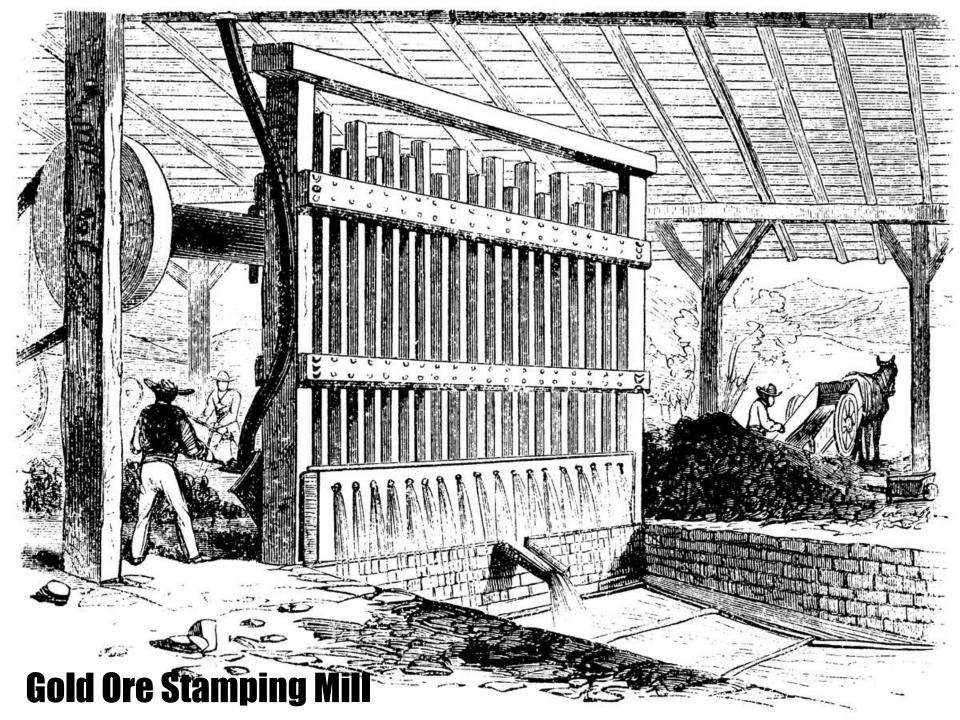
Eagle Creek Mine





Empire Mine Grass Valley 1900







Mother Lode Gold





Mid Fork Stanislaus

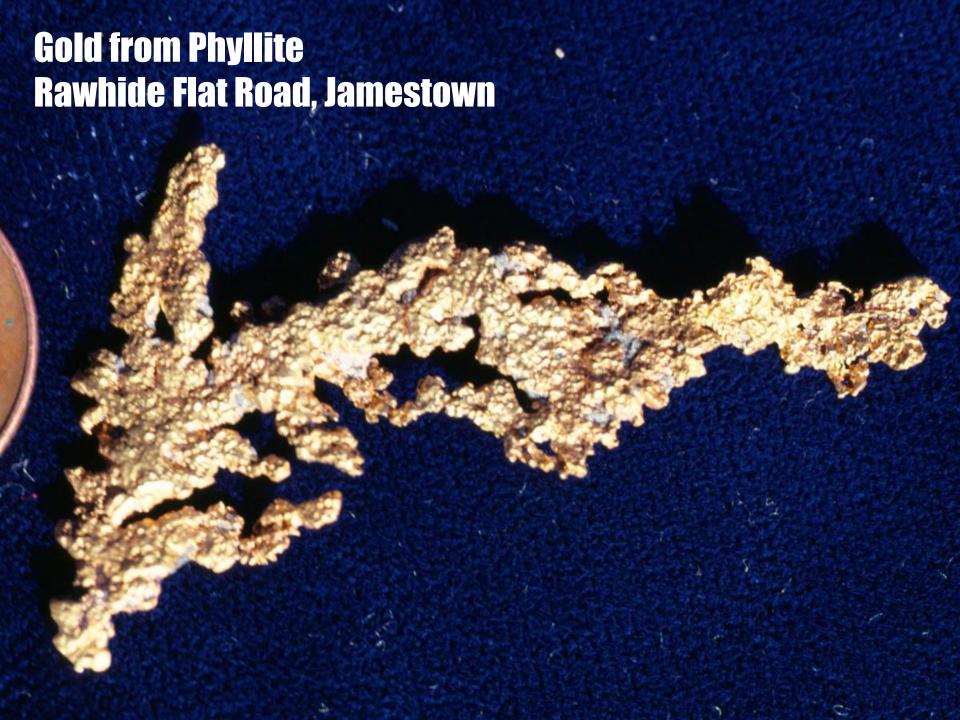


Ruby Drift Mine, Allegheny District



River Grit, Stanislaus River, 1980







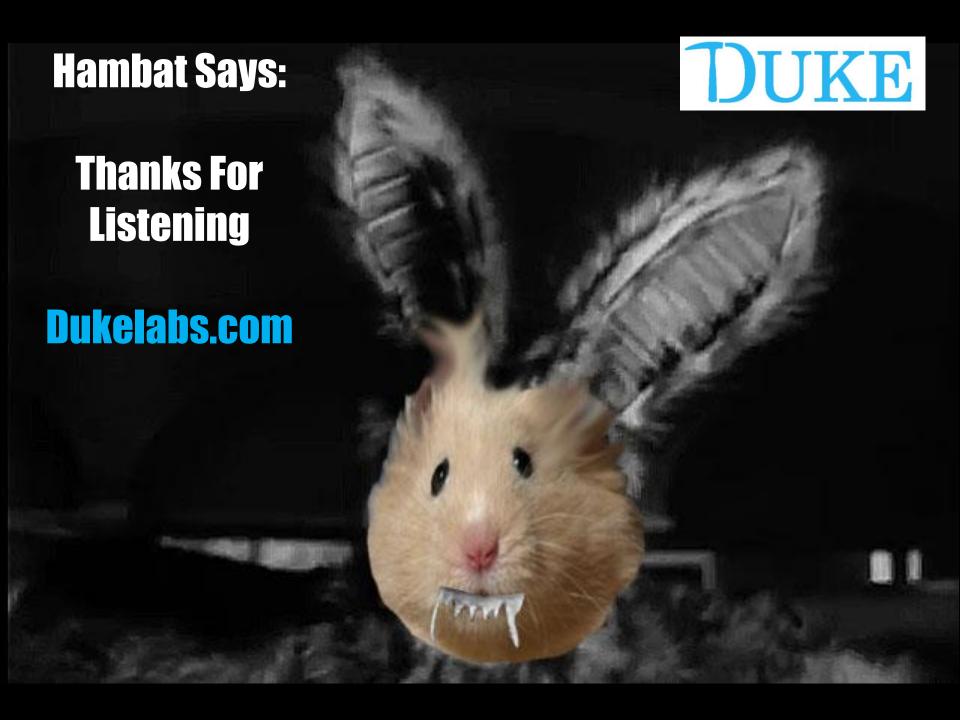




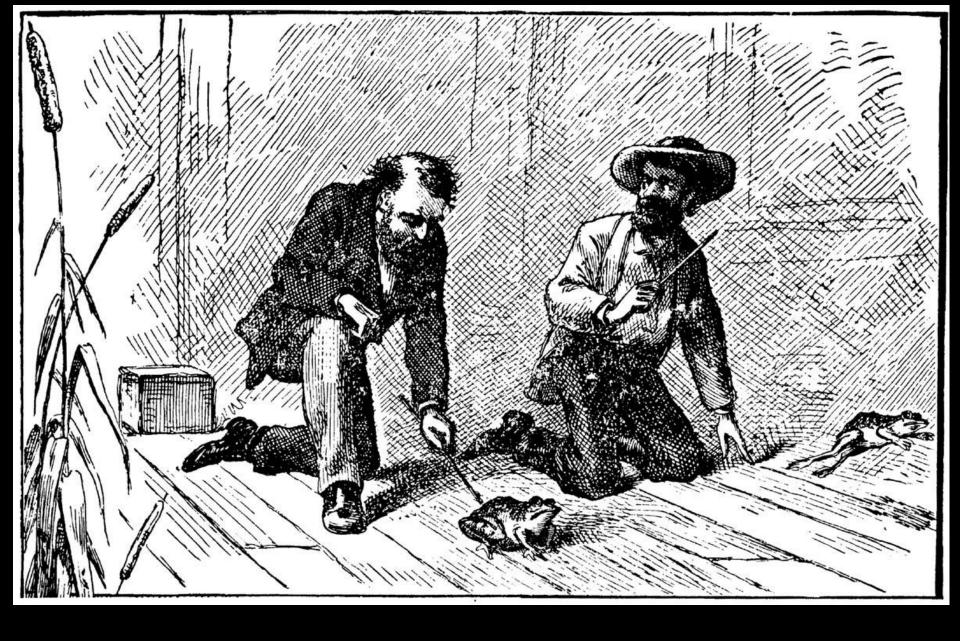


Coulterville, CA



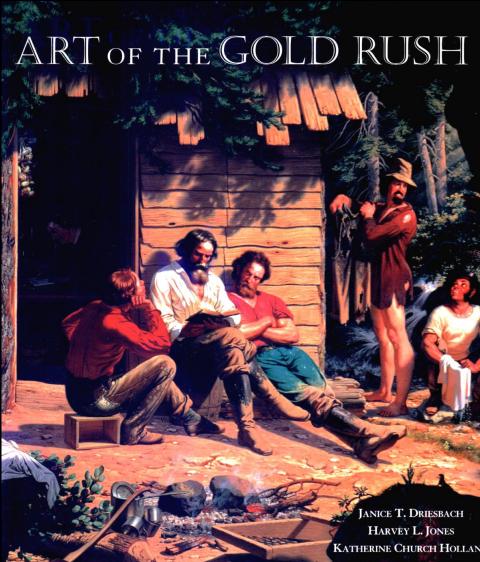






Celebrated Jumping Frog of Calaveras County









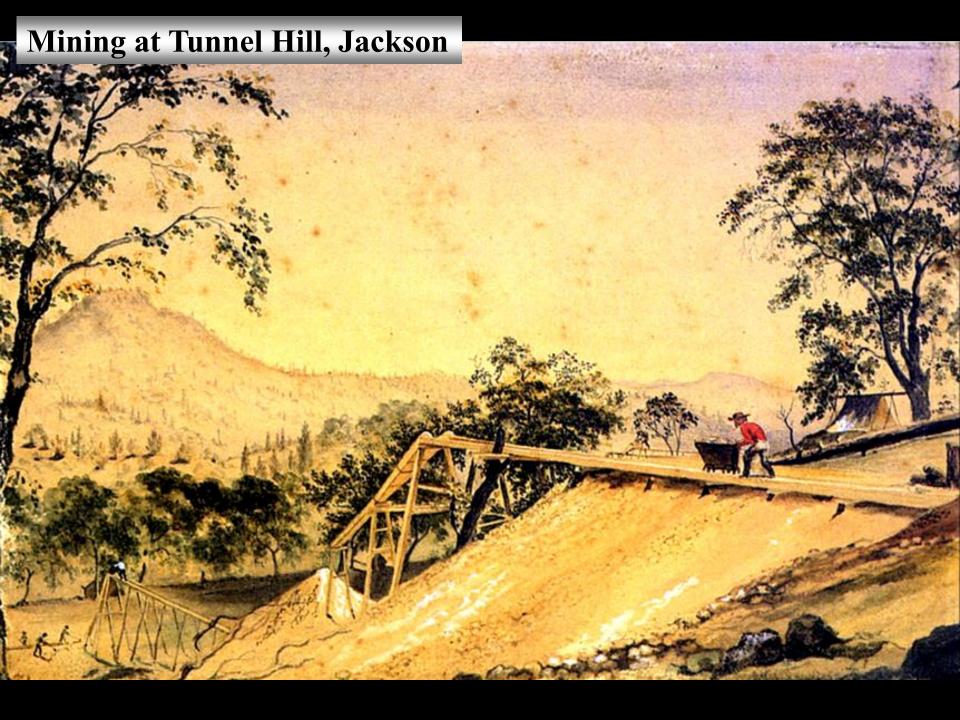


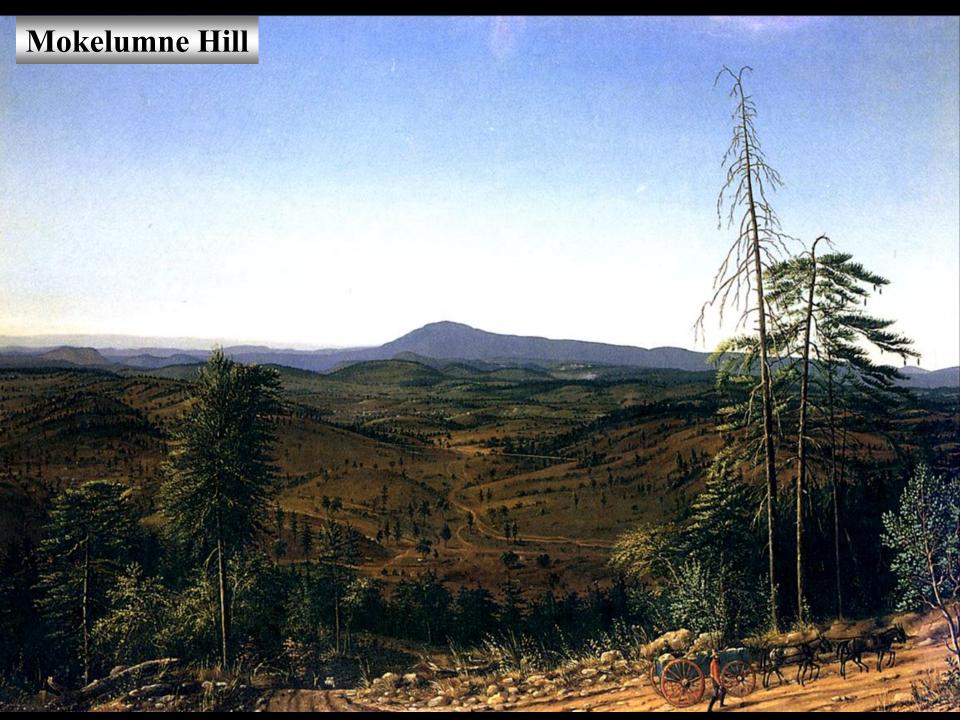


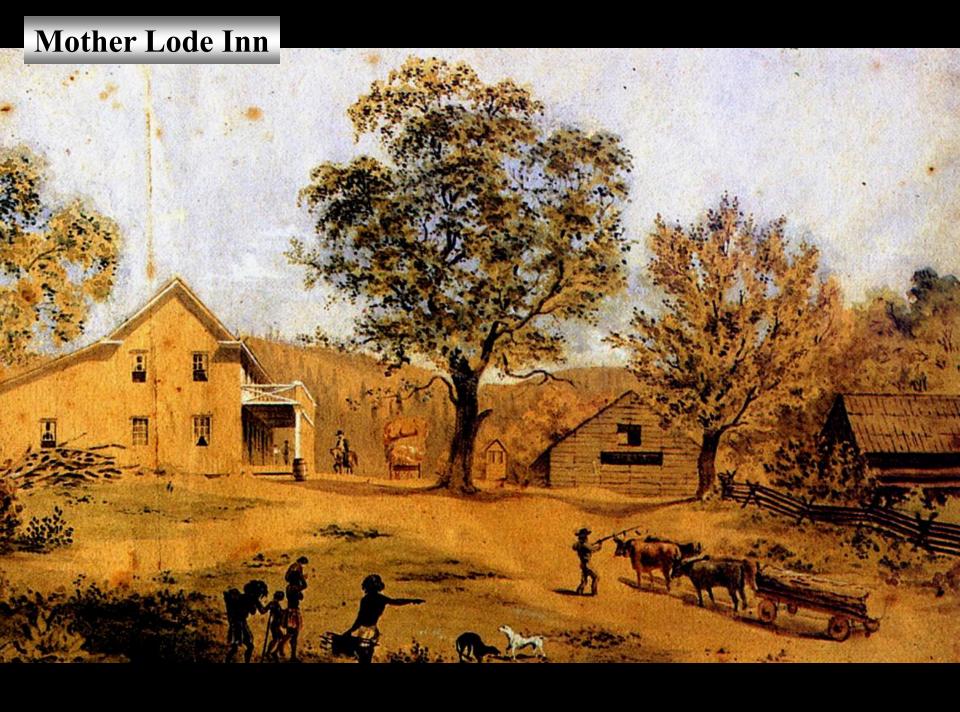






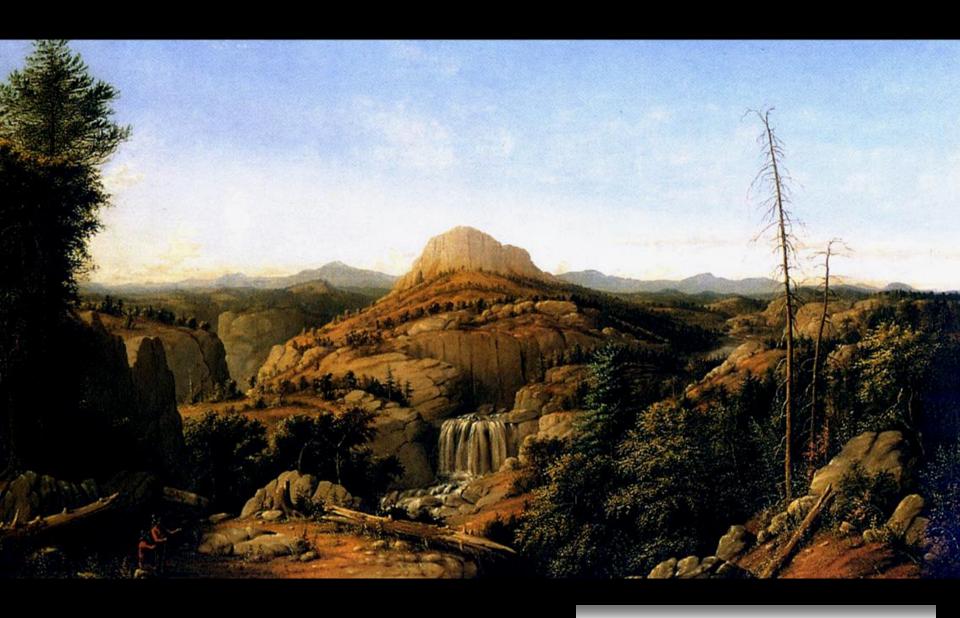








Panning For Gold



Prospectors in the Sierra