metavolcanic dikes. Older alluvial deposits of the Truckee and Coal Range areas are strongly weathered and poorly sorted from oldest to youngest. Alluvial terraces which developed from major streams generally are composed of subangular to subrounded clasts of gray to dark gray sand and sandy gravel subangular to rounded.

Some quarries and open pits in the Steamboat Hills area contain small cemented cobble to boulder breccias in fault controlled basins within the Carson Range near Steamboat Springs. Sand with scattered gravelly zones of unweathered and bleached ore are from the Steamboat Shoals Tuff, below zone 30 of the Steamboat Hills Quarry. The tuff and tuffaceous mudstone is composed of fine-grained pumiceous ash tuffs in the Carson Range near Steamboat Springs.

Most cementation is by iron oxides and clays. Ferromagnesian minerals range from fine-grained hornblende (Bt) to quartzose and hornblende to fine-grained hornblende (?) and fine-grained hornblende (Bt) from the Carson Range near Steamboat Springs and the Steamboat Shoals Tuff. Altered and bleached ore is from ages at spa3, pT43. Hydrothermal alteration occurred at the Truckee and Coal Range areas of Steamboat Shoals Tuff. Hornblende has been replaced by hornblende (Bt) and biotite. It has been suggested that hornblende was altered during the late Cretaceous by a regional metamorphism, possibly a result of the Paleocene uplift associated with the formation of the Basin and Range province. Data of K-Ar and Ar-Ar methods from 114 to 151 M a.

The Truckee and Coal Range areas of Steamboat Shoals Tuff contain prominent phenocrysts of olivine and pyroxene. They are of cumbre and pyrite, below zone 30 of the Steamboat Shoals Tuff. They contain small iron oxides and alteration and bleached ore is from the Steamboat Shoals Tuff. They contain small iron oxides and alteration and bleached ore is from the Steamboat Shoals Tuff. They contain small iron oxides and alteration and bleached ore is from the Steamboat Shoals Tuff. They contain small iron oxides and alteration and bleached ore is from the Steamboat Shoals Tuff. They contain small iron oxides and alteration and bleached ore is from the Steamboat Shoals Tuff. They contain small iron oxides and alteration and bleached ore is from the Steamboat Shoals Tuff.