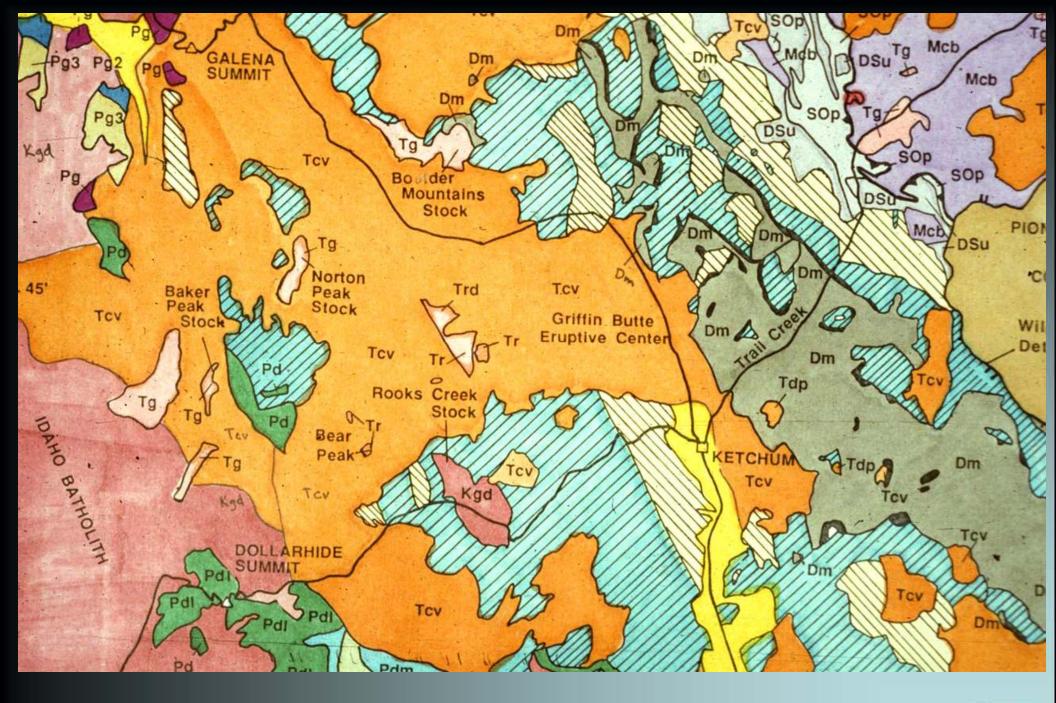


Aerial view of Fall Creek in Pioneer Mountains core complex. Note glaciated topography cut Eocene granite. Detachement is about halfway into the view, where the gray soft slopes change to the rocky cliffs.





Geologic map of the Wood River Valley and Smoky Mountains.





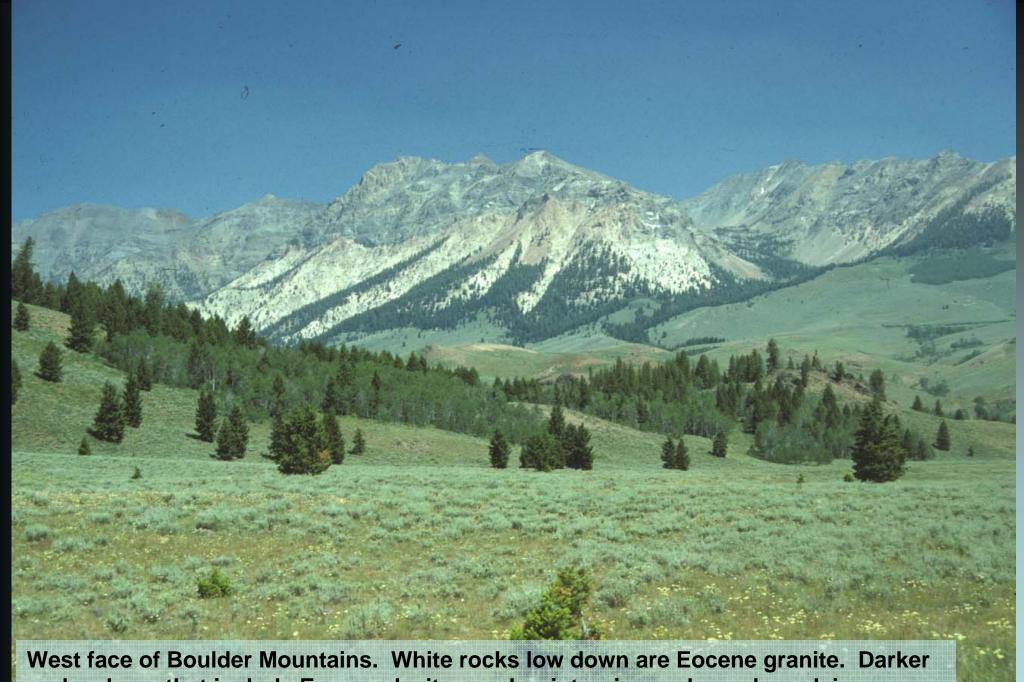




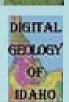




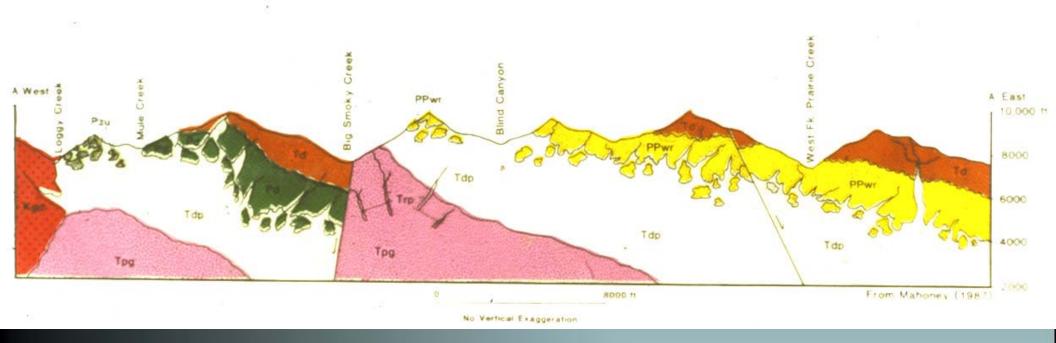




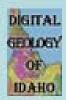
West face of Boulder Mountains. White rocks low down are Eocene granite. Darker rocks above that include Eocene dacite porphry intrusive rocks and overlying Challis volcanic rocks. Also present are wall rocks of Paleozoic sedimentary rocks as chocolate chips. In foreground are glacial deposits. Boulder Creek is the prominent creek. View from the mouth of Baker Creek.



PRELIMINARY CROSS—SECTION OF THE GALENA QUADRANGLE



Cross section of Galena quad north of Ketchum, showing relations on west face of Boulder Mountains.

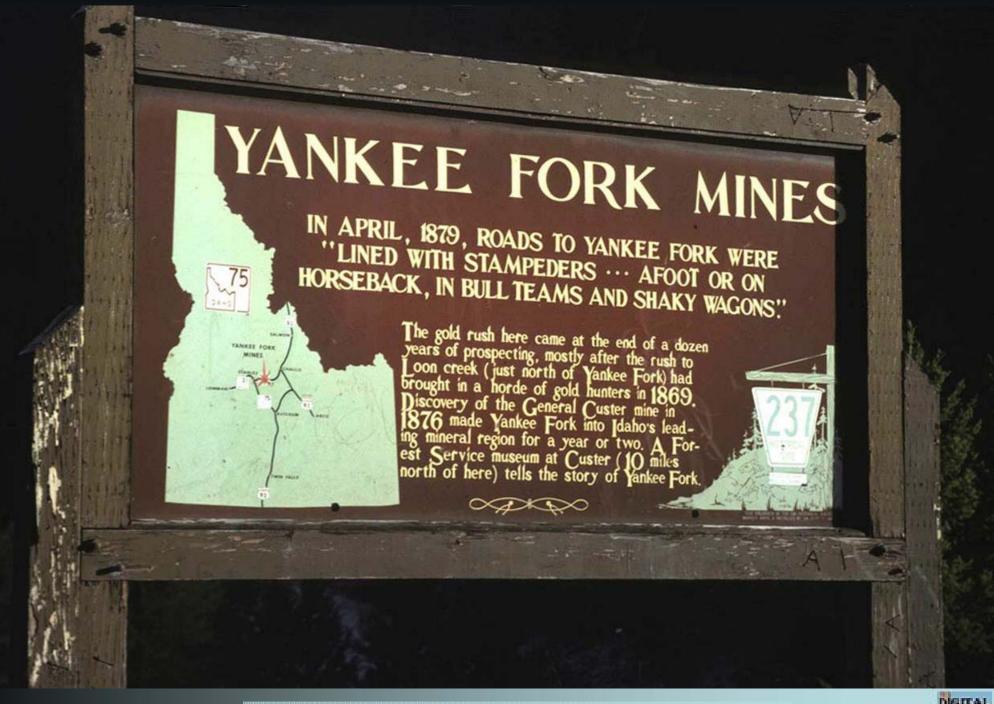




View of Sawtooth Range from Stanley Ranger Station.

Photo by: Jim Cash, IGS





Historical Marker of Yankee Fork mines





Main Salmon River near Yankee Fork.











Outcrop of volcanic ash. Photo by: Jim Cash, IGS



View of dacitic / rhyodacitic lava flow

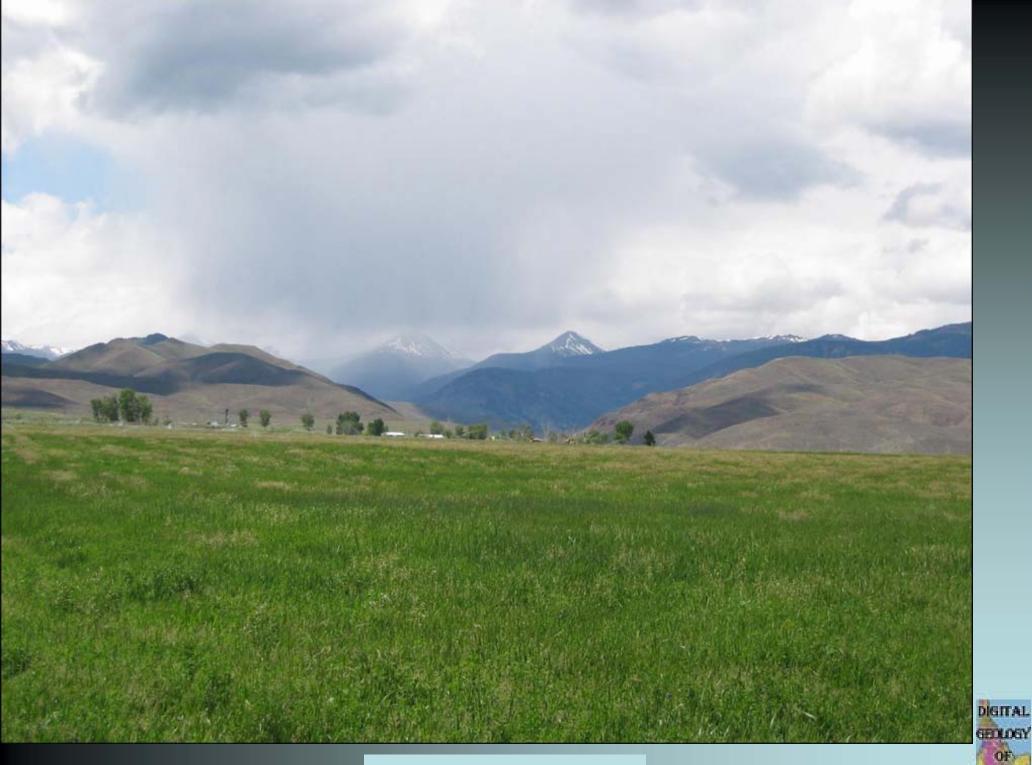




Close-up of Challis volcanic rock



Proterozoic Sediments in foreground.



View of Twin Peaks.



View of Challis volcanics looking down Garden Cr. From Fluorspar Mine

Outcrop of dacitic or rhyodicitic lava with weathered out clasts along Garden Cr. Rd.





Outcrop of Pennal Gulch Tuff capped by Tuff of Challis Creek, talus of Challis Creek Tuff in foreground.

Photo by Jim Cash, IGS



Closeup of Tuff of Pennal Gulch



Close-up of Challis volcanic rock showing texture.



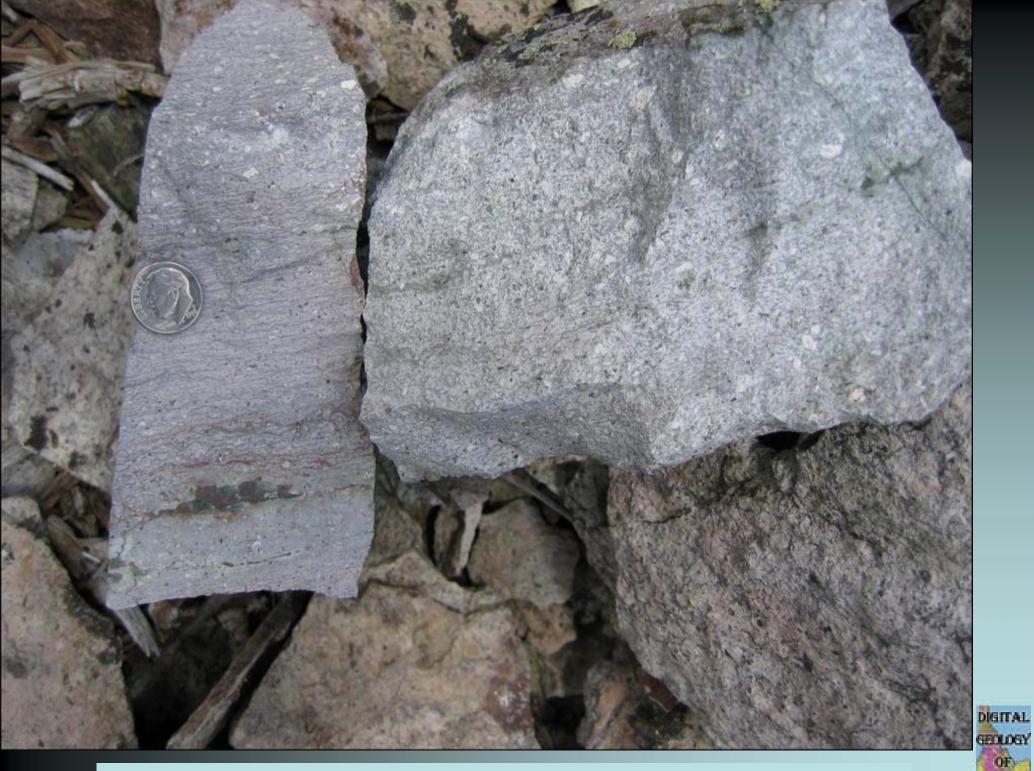
View of Castle Rock - Copper Basin



Close-up of Challis volcanics along Big Lost River at Deep Creek.



View of rhyolite domes south of Challis (looking 220 deg from Highway 93)



Close-up of Tuff of Camas Cr-Black Mountain showing texture.



Close-up of mafic rock along Lick Creek showing texture. Photo by: Jim Cash, IGS



View of Challis volcanics from Cherry Creek Road looking 160°. Photo by: Jim Cash, IGS



View of Sheep Mountain from Cherry Creek Road. Photo by: Jim Cash, IGS

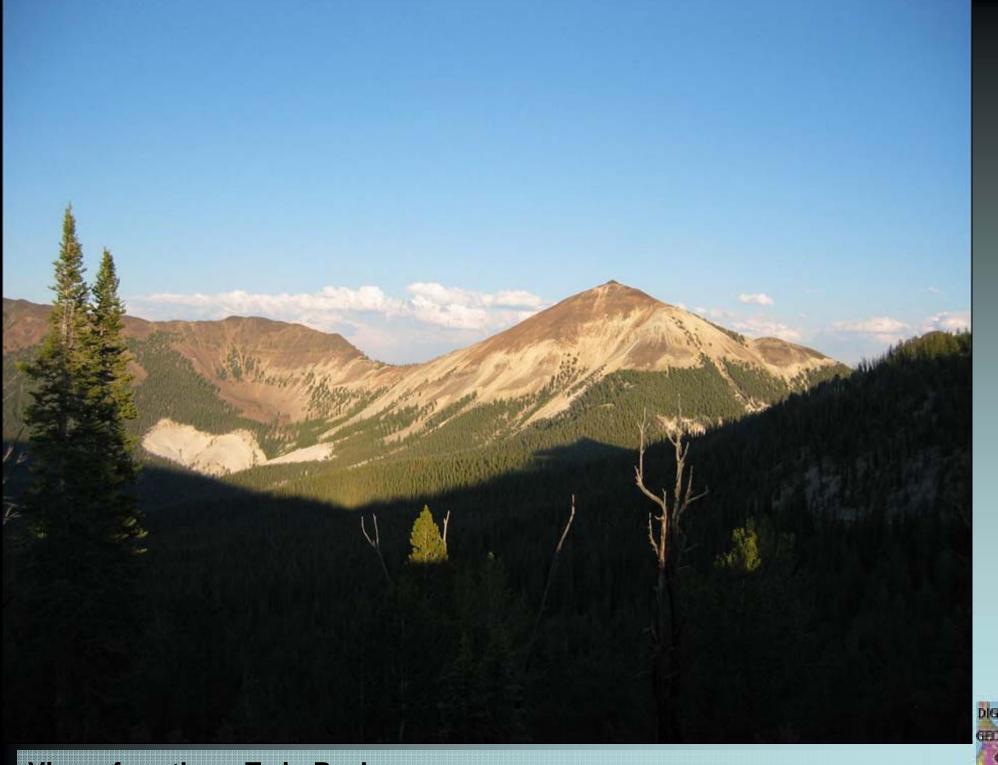


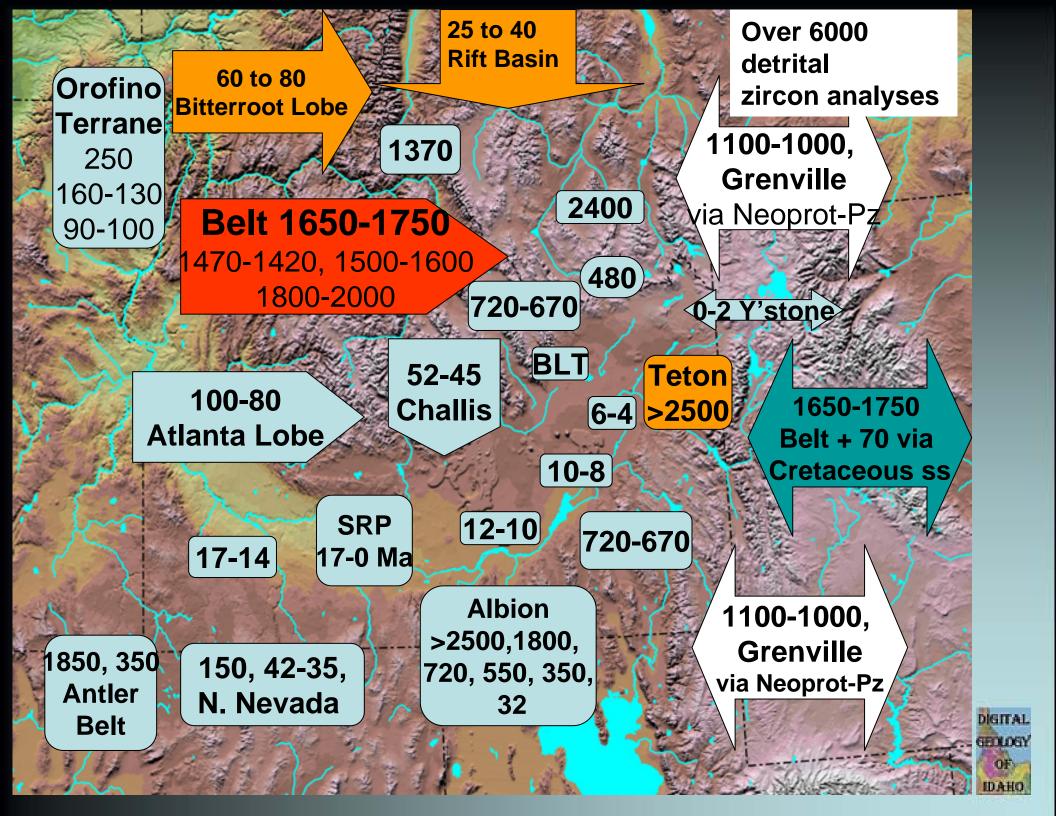


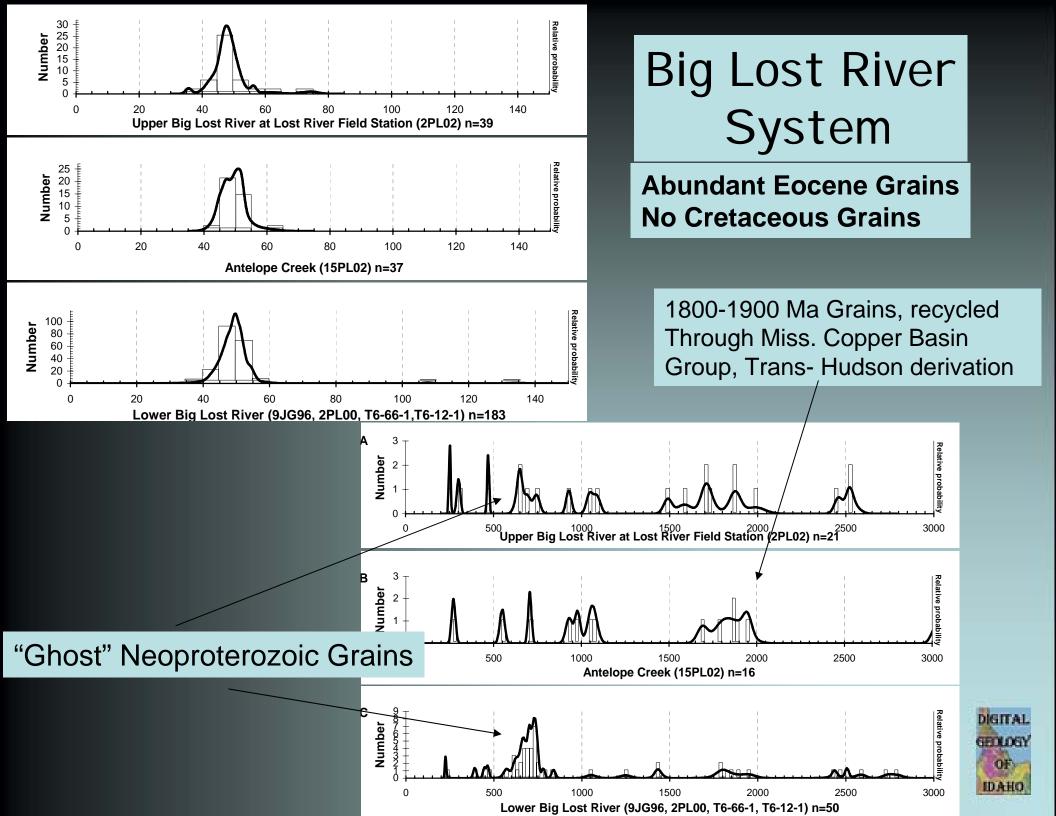
Photo by: Jim Cash, Idaho Geological Survey

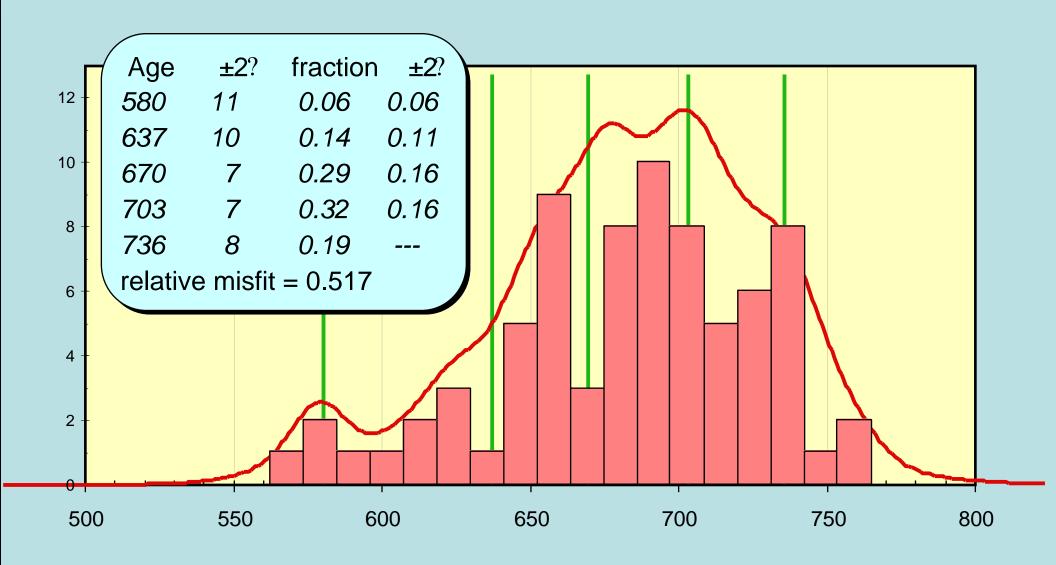




View of southern Twin Peak.

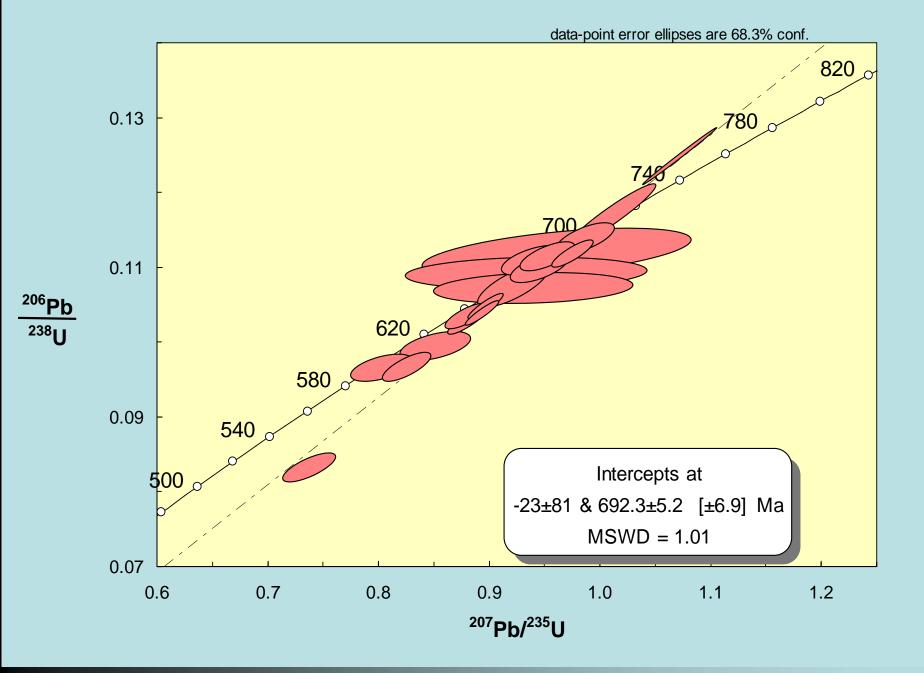




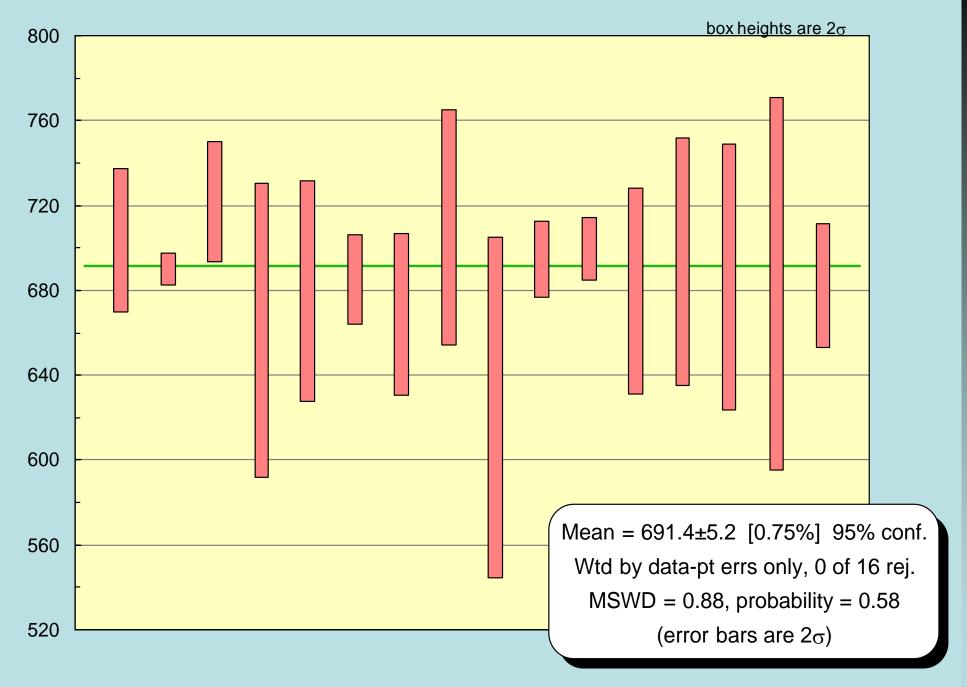


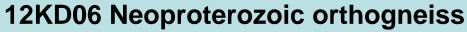
SHRIMP ages Late Neoproterozoic grains, Big Lost System, n=80



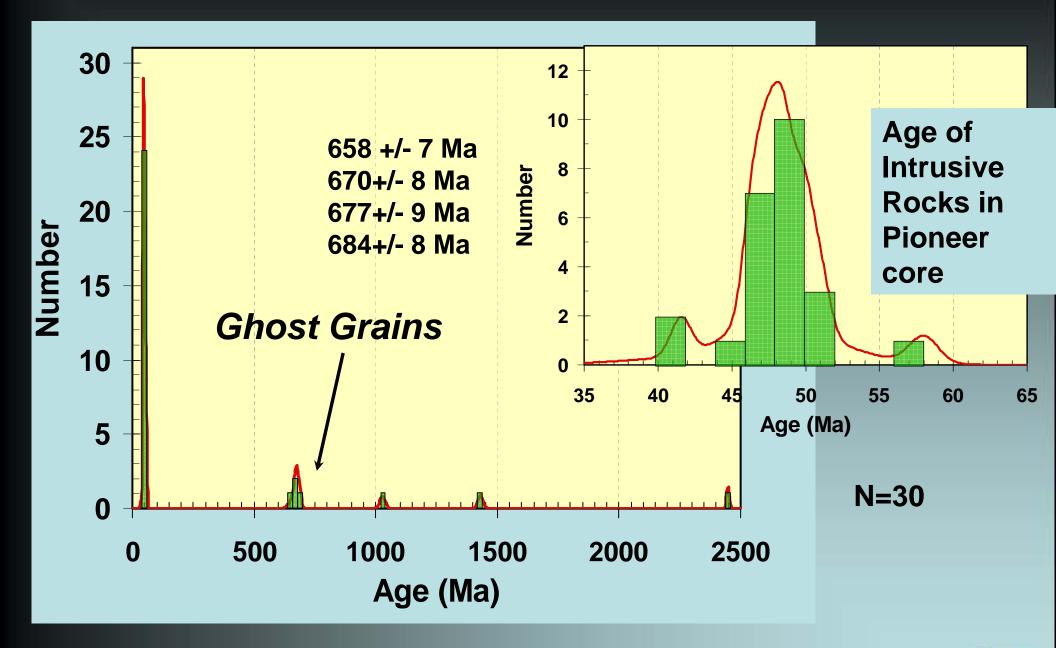






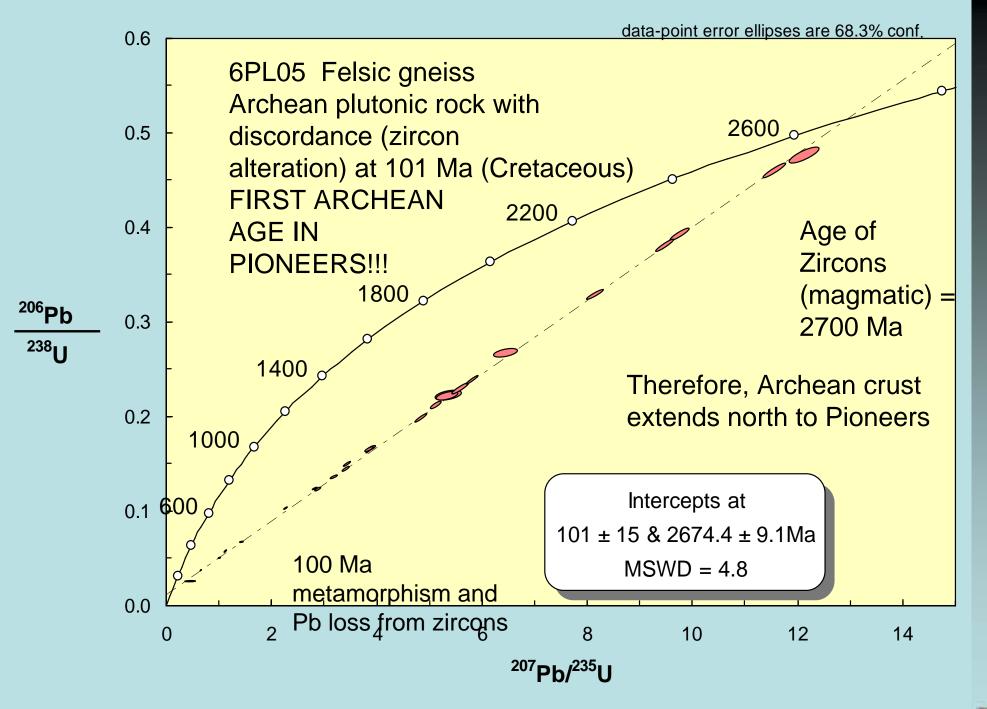




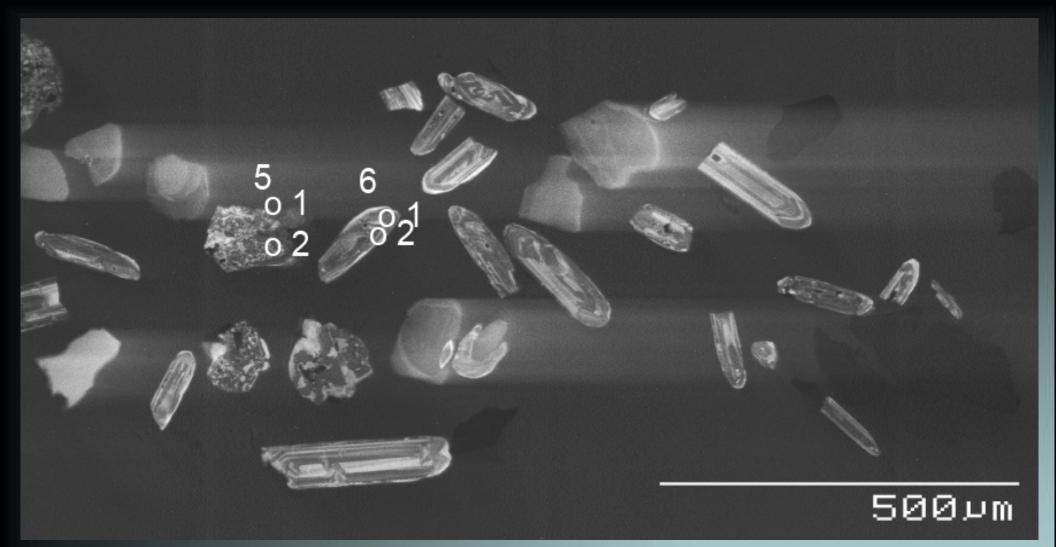












6 PL 05 Archean gneiss

6.1 = 2566 + / 15 Ma

6.2 = 2439 + / -83 Ma



