Field Name	well	Depth (ft)	Depth (m)
Steamboat Springs	87-29	1181	360.0
Steamboat Springs	87-29	1509	459.9
Steamboat Springs	87-29	1837	559.9
Steamboat Springs	87-29	3801	1158.5
Coso	64-16	1711	521.5
Coso	64-16	1714.5	522.6
Coso	64-16	1717	523.3

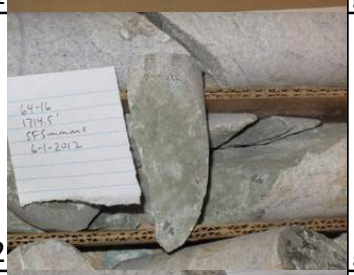
Mammoth	38-32	1026	312.7
Mammoth	38-32	1818	554.1
Mammoth	38-32	2604.3	793.8
Mammoth	Shady Rest	1313	400.2
Mammoth	Shady Rest	1315 A	400.8 A
Mammoth	Shady Rest RDO8	1899	578.8
Mammoth	Shady Rest RDO8	2206	672.4

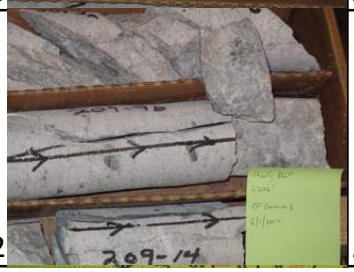
Mammoth	Shady Rest RDO8	2286	696.8

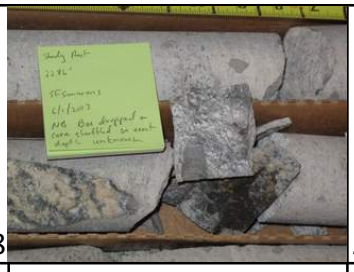
cuttings (x)/cores (c)	Core max-min length	color
C	12.6 cm	Major - White, Green, Translucent; Minor - Yellow-brown, Red, Gold-brown, Metallic, Blue-green
C	5.8 cm	Major - Green, Gray, White, Translucent; Minor - Red, Gold-brown, Transparent
C	5.5 cm	Major - Gray, Black, White; Minor - Pinkish-red, Yellow-brown, Gold-brown
C	4.6 cm	Major - White, Green, Translucent; Minor - Yellow-brown, Black, Red; Trace - Orange
C	6.7 cm	Major - Green, Pink, White, Translucent; Minor - Black, Brown, Yellow-brown
C	9 cm	Major - Green, White, Black, Gray, Translucent; Minor - Red-brown
C	5 cm	Major - Pink, White, Gray, Green, Translucent; Minor - Red-brown, Black

C	5.8 cm	Major - Light-green, White, White-brown; Minor - Black
C	6.5 cm	Major - Light-green, White, Gray-white; Minor - Red-brown,
C	6.3 cm	Major - White, Light-green,; Minor - Black, Light-pink, Green, Red-brown, Transparent
C	3.3 cm	Major - White, Gray; Minor - Red-brown, Gold-brown, Transparent
C	6.3 cm	Major - White, Gray; Minor - Red-brown, Gold-brown, Transparent
C	6 cm	Major - Gray, White, Yellow-brown; Minor - Black, Transparent
C	5.1 cm	Major - White, Gray, Black; Minor - Yellow-brown, Dark-red-brown, Transparent

C	6 cm	Major - White, Gray, Black, Light-orange; Minor - Yellow-brown, Transparent

hardness (H, M, S)	Image No.	Photos	Lithology
H>M=S	8046		Granite
H>M>S	8021		Granite
H>M>>S	8025		Granite
H=M=S	8042		Granite
H>>M=S	8061		Fine-chrystallin muscovite-biotite granite
H>M=S	8062		Fine-chrystallin muscovite-biotite granite
H>M=S	NA		Fine-chrystallin muscovite-biotite granite

M=S>>H	8007		Bleached white rock
H=M=S	8009		Brecciated Rhyolite?
M=S>H	8017		Ash flow tuff
H>>M>S	NA		Early Rhyolite
H>>M=S	7980		Early Rhyolite
H=M>S	7990		Ash flow tuff
M>H=S	7992		Ash flow tuff

M=H>S	7988		Ash flow tuff

Observed Rocks/Mins	Acid Test
#REF!	Moderate-major efforvescence, calcite crystals deposited on fractur surface.
Epidote, Chlorite, Quartz, Pyrite, Garnet, Calcite, Gypsum	Moderate efforvescence
#REF!	Minor efforvescence, Sparse calcite grains present
Chlorite, Quartz, Garnet, Orange mineral?, White-soft granular min?	No efforvescence
Chlorite, Epidote, Quartz, Biotite	No efforvescence
Chlorite, Epidote, Quartz, Biotite, Feldspar	Moderate efforvescence, Green powdery min reacted vigorously
Chlorite, Epidote, Quartz, Biotite, Garnet, Calcite?, Feldspar	Moderate efforvescence

Quartz, Clay, Epidote?	Trace efforvescence
Clay, Epidote, Garnet?	Moderate efforvescence (only the white rock reacted)
Clay, Epidote, Quartz, Calcite	Trace efforvescence, sparse calcite grains present.
Pyrite, Quartz, Garnet	No efforvescence
Pyrite, Quartz, Garnet	No efforvescence
Quartz, Obsidian, Ash or Clay?	No efforvescence
Quartz, Garnet, Pyrite or Chalcopyrite?, Obsidian, Ash or Clay?	No efforvescence

Quartz, Soft white radial acicular mineral-Sillimanite?, Light-orange soft min?	No efforvescence

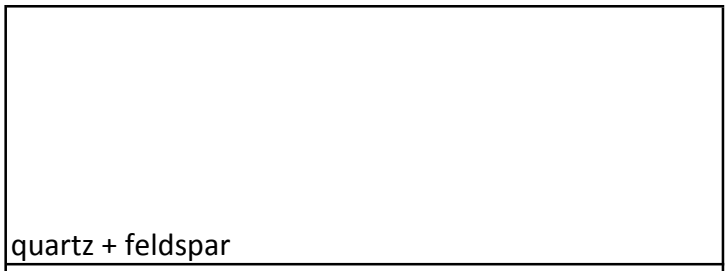
Comment
Two fracture surfaces, One of the surfaces is coated with euhedral calcite crystals, the other side is coated with small pyrite crystals. Surfaces not covered with crystals are very smooth.
Sparse pyrite deposited on top of quartz coated fracture surface. A couple vugs with small euhedral crystals inside of the larger core sample.
Soft white mineral deposited on top of quartz coated fracture surface. May be sparse small garnets on soft white mineral.
Soft white mineral deposited on top of quartz coated fracture surface. Appears to be many small garnets on soft white mineral.
Larger rock sample appears to have a fracture surface with a few euhedral quartz crystals.
Fracture surface covered with massive green mineral that is highly reactive to HCL. Small sparse pyrite grains present on surface.
One chip has a open fracture with small translucent euhedral crystals gown on top of dark green massive mineral.

Fractures filled with white mineral (maybe quartz?), one surface contains area of euhedral white opaque crystals.
Many veins and small fractures, a few open pores, but cannot see euhedral crystals. Several fractures with open spaces and dark-green angular grains, one fracture contained an opaque white coated fracture surface (calcite?).
Many vugs filled with euhedral quartz crystals, some pores filled with clay. High porosity
Part of sample has exposed face of euhedral translucent (quartz?) crystals.
Large vugs filled with euhedral crystals of pyrite and quartz. High porosity.
Fracture surface coated with quartz, either chalcopyrite or pyrite with garnet deposited on surface. Back side of sample contains pores open pores filled with euhedral crystals (likely quartz), other pore spaces filled with either a clay or ash.
Fracture surface coated with light-green-brown soft mineral. Garnets and pyrite (or) chalcopyrite deposited on surface. Pores filled with soft, white, massive min. Some surfaces coated with light-yellow-brown mineral with acicular crystal habit.

Fracture surface covered with light-green and white minerals with acicular crystal habit. Yellow-brown massive mineral sparsely deposited on fracture surface. Pores on back side of sample are filled with light orange min.

XRD interpretation
quartz + plagioclase > chlorite
quartz + feldspar >> chlorite + Kmica
quartz + plagioclase > illite
K-feldspar + quartz > chlorite > illite
quartz + feldspar
quartz + feldspar
quartz + feldspar

cristobalite + feldspar + clay
cristobalite + quartz + feldspar + chlorite
quartz + feldspar
quartz + feldspar
quartz + feldspar
quartz + feldspar > illite
quartz + feldspar


quartz + feldspar