Geologic Map of Northern Part of the Canyon Mountains

To Jeli
Best Regards
Tim

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October 1997
mostly published in BYUGS v.42 part 2

Map Symbols

- Depositional contact, dashed where approximate
- Thrust fault, teeth on hanging wall
- Normal fault, ball on hanging wall
- Growth stratal contact in cgl
- Syncline
- 42 — Strike and dip of bedding
- Vertical bedding
- 72 — Strike and dip of overturned beds

0 km 10

Map Units

Neogene	Tls	Tertiary(?) rock-avalanche deposits
Neogene	To	Oak City Formation (Miocene)
Paleogene	Tg	
Paleogene	Tr	Red cgl, ss and limestone (= North Horn Formation?)

Canyon Range Conglomerate

Late Cretaceous	Kc	Canyon Range Cgl, undifferentiated
Late Cretaceous	Kcm$_6$	Red conglomerate and sandstone with abundant upper Paleozoic clasts
Late Cretaceous	Kcq$_9$	Orange-weathering, quartzite-boulder cgl with Tintic clasts (= Castlegate Ss)
		Angular unconformity
Late Cretaceous	Kcq$_8$	Quartzite-boulder cgl with Tintic clasts, local fan west of Wild Horse Peak
Late Cretaceous	Kcq$_7$	Quartzite-boulder cgl at Wild Horse Cyn
		Angular unconformity
Late Cretaceous	Kcm$_5$	Mixed-clast cgl and laterally extensive lenses of quartz-rich pebbly ss
Late Cretaceous	Kcq$_6$	Quartzite boulder and cobble cgl
Late Cretaceous	Kcm$_4$	Mixed-clast cgl
Late Cretaceous	Kcq$_5$	Qtzite-boulder cgl with growth strata
Late Cretaceous	Kcm$_3$	Pebble and cobble cgl with Turonian(?) fan-delta deposits
Late Cretaceous	Kcq$_4$	Quartzite-boulder cgl to red ss with quartzite cobbles
?	Kcm$_2$	Mixed-clast cobble and boulder cgl
Early Cretaceous	Kcm$_1$	Mixed-clast pebble to boulder cgl
Early Cretaceous	Kcq$_3$	Quartzite-cobble and boulder cgl
Early Cretaceous	Kcc$_2$	Dolomite-pebble and boulder cgl between Cow and Little Oak Creek Cyns
Early Cretaceous	Kcq$_2$	Quartzite-cobble and boulder cgl
Early Cretaceous	Kcc$_1$	Carbonate-clast cgl with slide block of Paleozoic (Ordovician?) limestone (Pz)
Early Cretaceous	Kcq$_1$	Quartzite-boulder valley-fill cgl
		Angular unconformity
Carb.	PPo	Oquirrh Formation
Devonian	Mh	Humbug Formation
Devonian	Dc	Cove Fort Quartzite
Devonian	Dg	Guilmette Formation
Devonian	Ds	Simonson Dolomite
Devonian	Op	Pogonip Group
Cambrian	Cu	Undifferentiated Middle Cambrian limestone and shale (dolomite at Upper)
Cambrian	Ewe Edh	Wheeler - Swasey - Whirlwind Dome - Chisholm - Howell
Cambrian	Cp	Pioche Formation
Cambrian	Ct	Prospect Mtn. Tintic Quartzite, differentiated in Canyon Range culmination:
Cambrian	Ctu	Upper quartzite member
Cambrian	Ctm	Middle quartzite member
Cambrian	Ctl$_3$	
Cambrian	Ctl$_2$	Lower quartzite member
Cambrian	Ctl$_1$	
Proterozoic	pCm	Mutual Formation
Proterozoic	pCi	Inkom Formation
Proterozoic	pCc	Caddy Canyon Quartzite
Proterozoic	pCb	Blackrock Canyon Limestone
Proterozoic	pCp	Pocatello Formation

From Higgins BYUGS v.43 part 2

See Higgins BYUGS

Note: Tim's map smooths out and in places, eliminates some Q deposits which are shown more accurately on the Hintze open-file UGS map.

This fault is a relic of Tim's misidentification of Cu on the present map as Ordovician and Devonian on his original field map. He changed the ID on this map, at my suggestion, and should have eliminated the fault which is not needed there.

Champlin Peak Quad
Fool Creek Peak Quad

Sevier River
Cement plant
Canyon Pass
Wild Horse Cyn
Wild Horse Peak
Fool Creek
Dry Fork
Fool Creek Mountains
Wide Canyon
Canyon Range thrust
Fool Creek Peak
Cow Canyon
Canyon Range thrust
Canyon
Oak Creek
Little Oak Cyn
Stop 2
Stop 3
Stop 7
132
39° 30'
39° 27' 30"
39° 25'
39° 22' 30"
39° 20'
112° 15'
112° 12' 30"
112° 10'