

Greer
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Dear Angie -

Though we went over the SWAB rocks we did not talk much about GREER. I enclose a sketch and two sections which suggest that: -

- (1) The diorite - gneissite of probable Cretaceous age (Topley Intrusives) have intruded a complex of older recrystallized "gneissic" rocks and Jurassic volcanics of andesite - basalt composition.
- (2) Late Cretaceous ?? pink granite dykes and 'K' feldspathization occurred cutting the diorites and altering the volcanics with possible introduction of pyrite - chalcopyrite - magnetite.
- (3) A ^{early Tertiary} period of erosion occurred which should have resulted in development of a regolith type surface. The only possible evidence seen to support this is the soft friable nature of the diorite at the north contact on the road near where we left the truck
↳ also in stream channel in 3
- (4) Tertiary ^{fault mov't} tuffs, fragmentals, flows etc were extruded onto an irregular (faulted) and weathered surface. The contact may be relatively flat and gently undulating along the trend of the road as far as the north end of the road. There is probably a steep north west dipping contact, or fault contact, along the NE trending draw beyond the north end of the road. (A) It would be important if outcrops at low elevation could be found on the SE side of this draw.

(over)

(B) Is there a fault east of the road (N-S fault) and west of the granodiorite ridge - probably not but the top elevation of that granodiorite (Cohoon's) would be of interest.

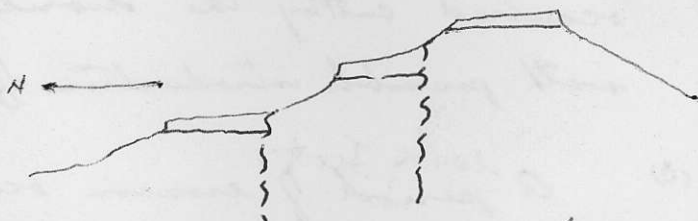
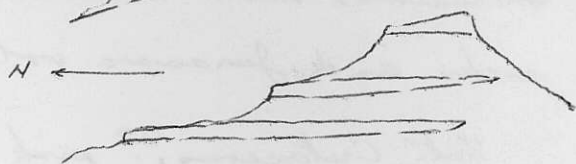
(C) The south west sample of Anomack, on the north claim, was near granodiorite - the rest in areas of rhyolite and basalt.

(D) As you map east and north the relationship of the basalt flows may be important in interpretation of the structure.

Do you have gently dipping flows at one horizon or;

multiple flows at several horizons or;

fault blocks



(E) The rhyolites lying on the granodiorite contact may be very irregular in their original distribution and attitude but will also be affected by any structure cutting the later basalts.

The slickensided large fragment of white rhyolite near the road at south edge of logging is important to demonstrate Tertiary fault movement.

Hope this is of some help

Conn.