

MR42-30

Abernathy Sapphire Deposit - 40 mi. E. of Lander.

A thin lens of biotite schist in granite has apparently been contact-metamorphosed with the development of corundum nodules. The corundum is of poor quality, most of it being gray and some a dirty blue. Within some of the corundum are spots of sapphire blue. So far no sapphire of gem quality has been taken from this pit. This is essentially a biotite-corundum schist with only a little corundum and of that just a fracture has good color. Even the spots of good color are not clear, but are cloudy.

The pit is about 5'x5' by 8' deep. The biotite schist is about 4' wide in one face and less than that in the opposite face. The strike of the granite and schist is about N. 25° E.

Some of the corundum appears to be entirely replaced by biotite.

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