The Rock Canyon Creek REE-fluorite deposit is in the Foreland Fold and Thrust belt, the Rock Canyon Creek REE-fluorite mineralization. The predominant structural elements in the area are northeast-vergent thrusts and folds (Figs. 2, 3; Mott, 1989; McMechan and Leech, 2011; Paradis and Simandl, 2016). Although the deposit is not included in the McMechan and Leech map (2011), its projection may connect to the Munroe Lake fault 200 metres to the north of Rock Canyon Creek, based on the observation that the Beaverfoot, Skoki, and Glenogle formations are in Paleozoic shelf carbonate rocks, which extend along the length of the Columbia and Kootenay Ranges forming the筱Osk and Brisco, and Standford ranges consisting of angular fragments of limestone and dolostone in a sandy mudstone matrix, were intergrown with barite in a VUG (PPL). Inclined drill hole projection of REE-fluorite zone to surface and diamond drill hole locations. From Hoshino et al. 2017. Geologic setting of the Rock Canyon Creek REE-Fluorite deposit, British Columbia, Canada. British Columbia Geological Survey Geofiles 2017-7. 

Genetic considerations

Disseminated fluorite–REE deposits are in Paleozoic shelf carbonate rocks, which extend along the length of the Columbia and Kootenay Ranges forming the Osisko and Brisco, and Standford ranges consisting of angular fragments of limestone and dolostone in a sandy mudstone matrix, were intergrown with barite in a VUG (PPL). Inclined drill hole projection of REE-fluorite zone to surface and diamond drill hole locations. From Hoshino et al. 2017. Geologic setting of the Rock Canyon Creek REE-Fluorite deposit, British Columbia, Canada. British Columbia Geological Survey Geofiles 2017-7. 

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