

Figure 59. Westward view across the Lapie River valley toward Barite Mountain (61°48'N 133°07'W). The Pass Peak formation (PP) is overlain by the Porcupine thrust (PT, UPT, IPT) with Platy Siltstone (PS) and dolostone and quartzite of the Porcupine formation (Pd, PdQ) in its hanging wall. About 1000 metres of the intervening McConnell River formation and the Kechika Group are missing. This omission is thought to be tectonic and localized by the Lower Porcupine thrust (LPT). Such younger-on-older relations were not recognized on other thrusts or other segments of the Porcupine thrust. They imply that the segment of the Porcupine thrust northwest of the Lapie fault formed after the beds were already folded. They also indicate that the Lapie fault was initiated before the Porcupine thrust. The relations are analogous to the detachment that juxtaposes Black Slate formation atop the Askin group.

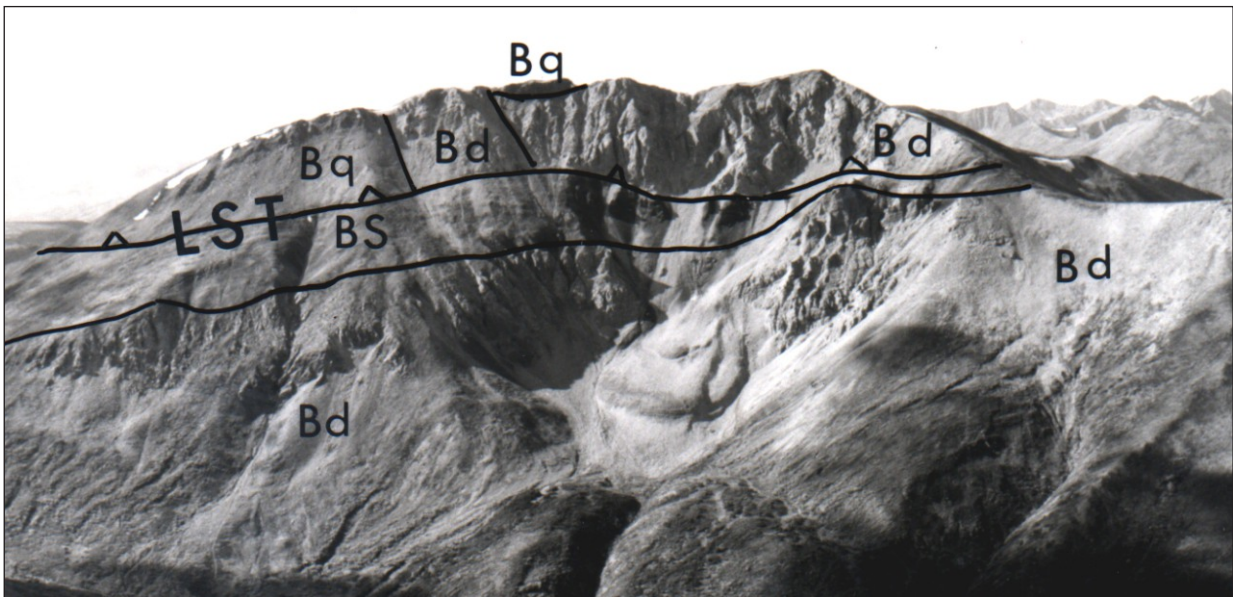


Figure 60. The Lower Seagull thrust (LST) a few kilometres east of the Lapie fault. This view southwest toward from Peak 7000', shows the dolostone and sandy dolostone of the Barite Mountain (Bd, Bq) and Black Slate (BS) formations.