

Geological Studies of the Anjireh Pb-Zn Deposits Esfahan District

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Abstract : Anjireh Pb-Zn deposits are located 55 km west of Esfahan. These deposits belong to a part of a large sedimentary basin containing lead and zinc metal epidences, in Sanandaj - Sirjan zone. This basin contains Lower Cretaceous (Albian - Abtian) sedimentary sequences. The Anjireh deposits are typical of Mississippi-valley type stratabound lead-zinc deposits. The principal metal minerals in these deposits are Cd-rich sphalerite and Ag-poor galena. These ores are rich in Cd, Hg and poor in Au and Ag.

Key Words : *Geochemistry, Genesis, Anjireh Pb-Zn Deposits.*