Compared Khuni Mineralization Zones on the Base of Geochemistry, Anarak, Central Iran

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Khuni area is located 70 Kms NW of Anarak, in Central Iran. Three mineralization zones identify in this area: Kazemi ore occurrence, Eastern Khuni mineralization and gold mineralization in Northern oxide veins (Rassa et al, 2005). This research shows that the mean grad of gold in North oxide veins and Eastern Khuni is the same and it is~1.2 ppm and thier base metal grad is~ 3.5-4 %wt. These mineralization zones correlated with apophyses and dykes. In the opposite side the mean grad of gold in the Kazemi ore occurrence is very low ~ 0.18 ppm and base metal grade in this area is up to 25%wt. On the base of above evidences 2 results are given. 1) Kazemi mineralization, compared with other mineralization zones, is exceptional in this area; because it has different in type of mineralogy, geochemistry alteration with intrusive and fluid temperature Pay attention that the relationship between Kazemi mineralization and intrusive body is in doubt and 2) In general the type of mineralization can be classified in to two groups including: gold oxide veins and Pb-Zn sulfides veins (Kazemi ore occurrence).

References

1 - I. RASSA , S. LIAGHAT ,M. H. NEZAMPOUR (2005). Base metal and gold exploration in the Khuni area, Anarak, Iran; an exploration case study in an arid environment. 14th Nordic Geological Winter Meeting,