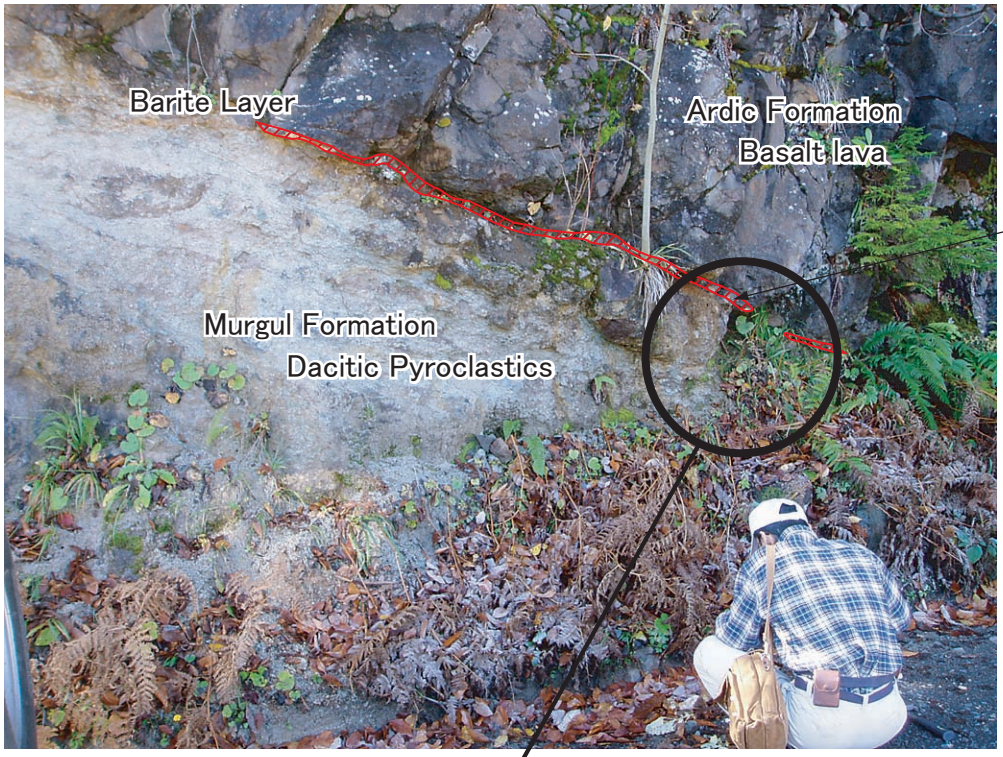
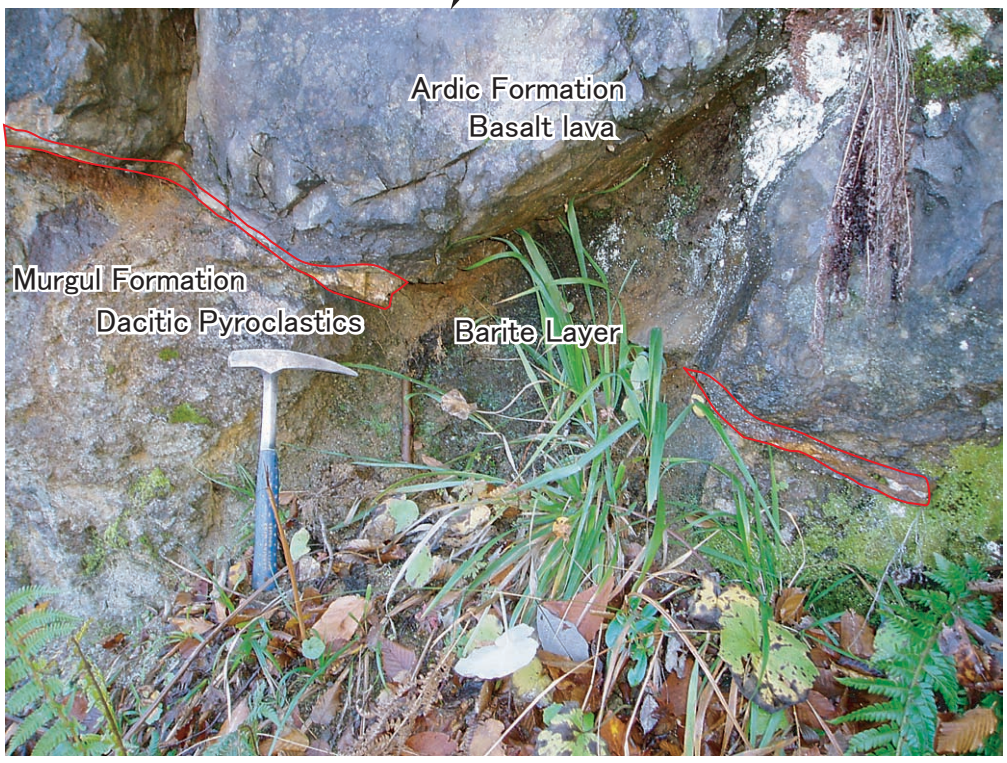


Enlargment



Barite Layer;

Width : 2～5cm

Mineral assemblages : Barite, Dolomite, Calcite, Quartz

Assay : 0.009g/t Au, 0.15g/t Ag, 0.05% Cu, <0.001% Pb, 0.005% Zn, 3.35% Ba

Fig. Ⅱ-2-5 Upper Kokolet Occurrence

occurrences are composed of only sulphide dissemination, and do not contain massive sulphide ore. The Çakmakkaya Deposit is under operation by KBI at present. The Kızılkaya Occurrence, showing 0.12 to 0.39 g/t Au, 2.60 to 3.35 g/t Ag, 0.02 to 0.03 % Cu, and Karagöl Occurrence, showing <0.01 to 0.12 g/t Ag, <0.01 % Cu, have been prospected by Dardanel Co. Ltd. recent years. The Upper Kokolet Occurrence possess an ore layer consisting of barite, dolomite, and quartz in the uppermost of the upper member of the Murgul Formation, showing 0.01 g/t Au, 0.15 g/t Ag, 3.35 % Ba. The Lower Kokolet Occurrence is emplaced in the andesite, which has intruded into the lower member of the Murgul Formation. The occurrence consists of pyrite dissemination, partly secondary copper ores such as malachite.

The mineral occurrences associated with the volcanogenic massive sulphide mineralization extend northeast to southwest in the area.

(2) Alteration

(a) Alteration Mineral Zoning (Figure Ⅱ-2-6)

The quartz-kaolinite-sericite zone is seen in the center of the mineralized zone, extending through the Çakmakkaya Deposit to Kızılkaya, southwest to northeast. The quartz-sericite-(sericite/smectite mixed layer mineral) zone exists in the west side of the alteration zone. These zones extend northeast to southwest.

(b) Alteration Index (Figure Ⅱ-2-7)

The strong alteration intensity zone, over 90 percent AI, extends from the watershed of the Lepüskür River to the mountain block in between the Ardiç section and Kokolet section, trending north-northeast to south-southwest.

(3) Geochemical Survey (Figure Ⅱ-2-8)

The geochemical anomaly of Au, Ag, As, Cu, Pb, Sb, Bi is concentrated to the Kızılkaya Occurrence. The Karagöl Occurrence shows the Bi anomaly zone. The geochemical anomaly of Ba and Mn is present in the Kokolet Occurrence.

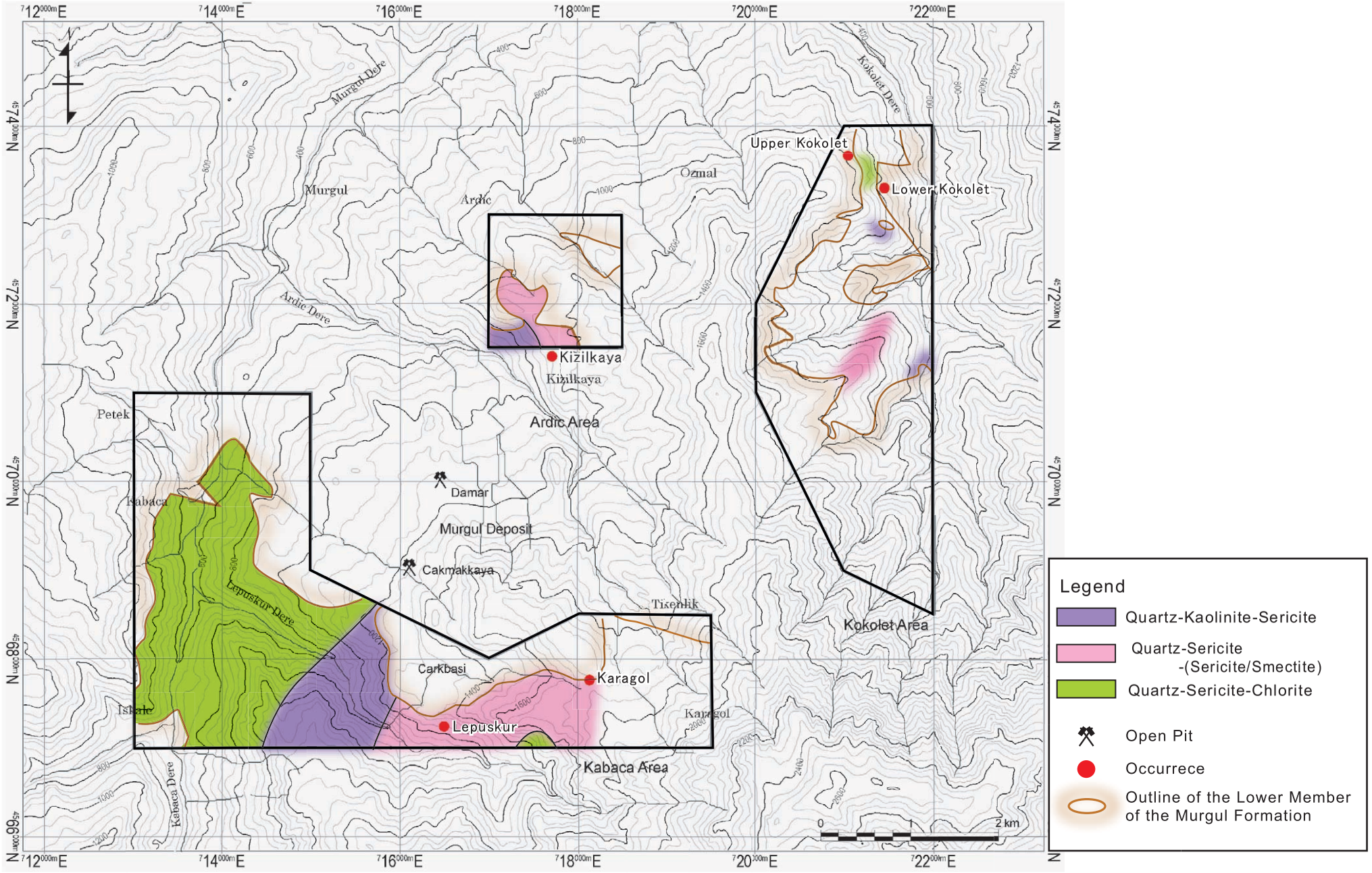


Fig. Ⅱ-2-6 Distribution Map of Alteration Zones in the Murgul Area

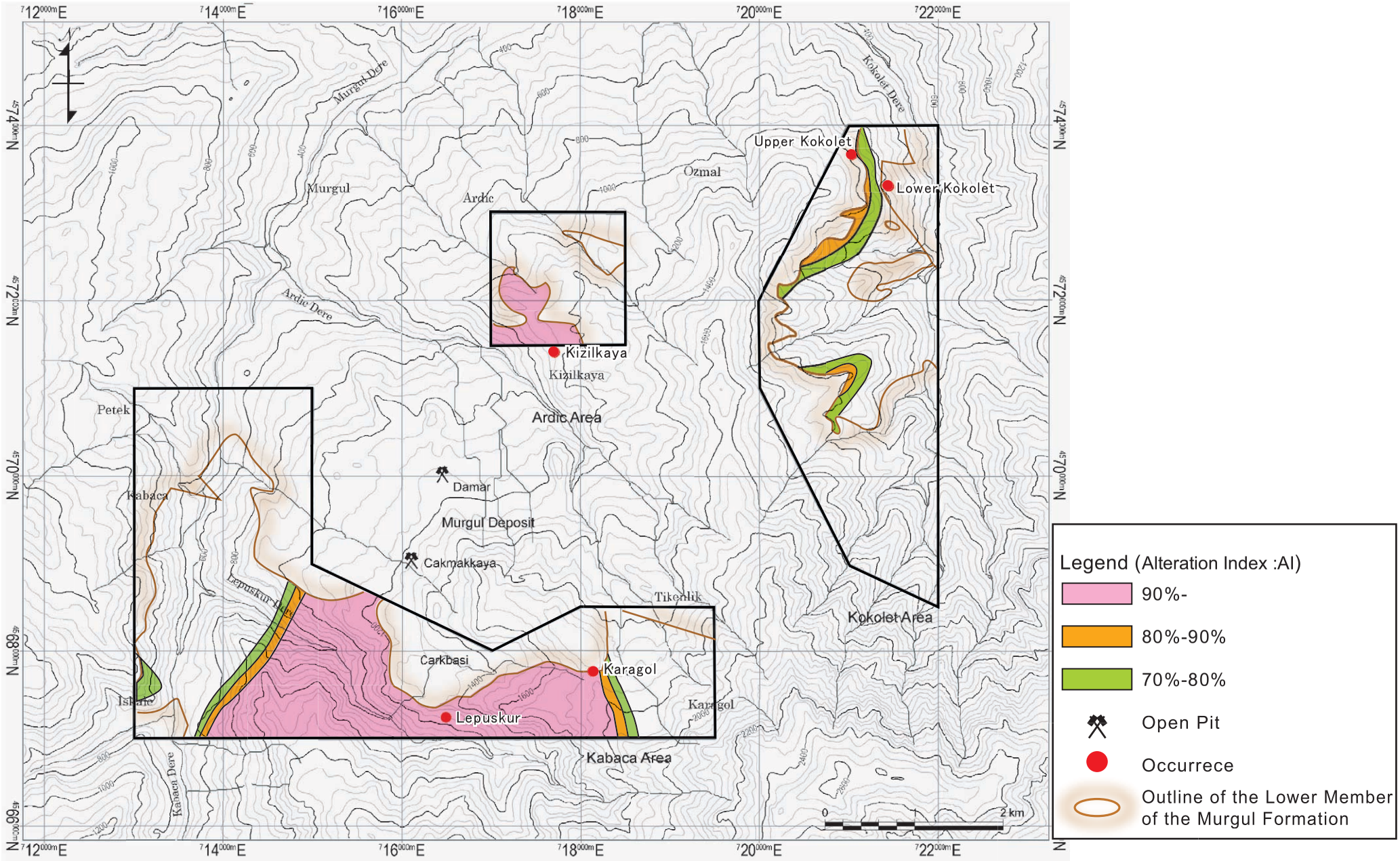


Fig. Ⅱ -2-7 Distribution Map of Alteration Index in the Murgul Area.a