

#### LEGEND

Sedimentary Rocks	
Quaternary	QIV
Triassic to Jurassic	Q111-IY
Permian	T2-J1sg
	P1sa1
	Y-e
Plutonic Rocks	
Triassic to Jurassic	x T2-J1
	x 1 x T2-J1
	x x T2-J1
Permian to Triassic	y δ x P7-T1s
	x P7-T1s
	y 3P7-T1s
	y δ 3P7-T1s
	δ 1P7-T1s
Structure	
Airborne survey	
Radionometric Potassium Count	
	160 - 200
	170 - 180
	160 - 170
	150 - 160
	140 - 150
	130 - 140
	120 - 130
	110 - 120
	100 - 110
	90 - 100
	80 - 90
	70 - 80
	60 - 70
	50 - 60
	20 - 50

Fig. II-3-19 Radiometric potassium count of airborne geological survey in the Erdenet Mine area

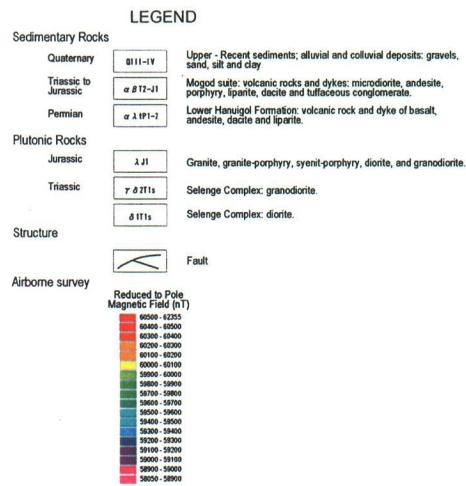
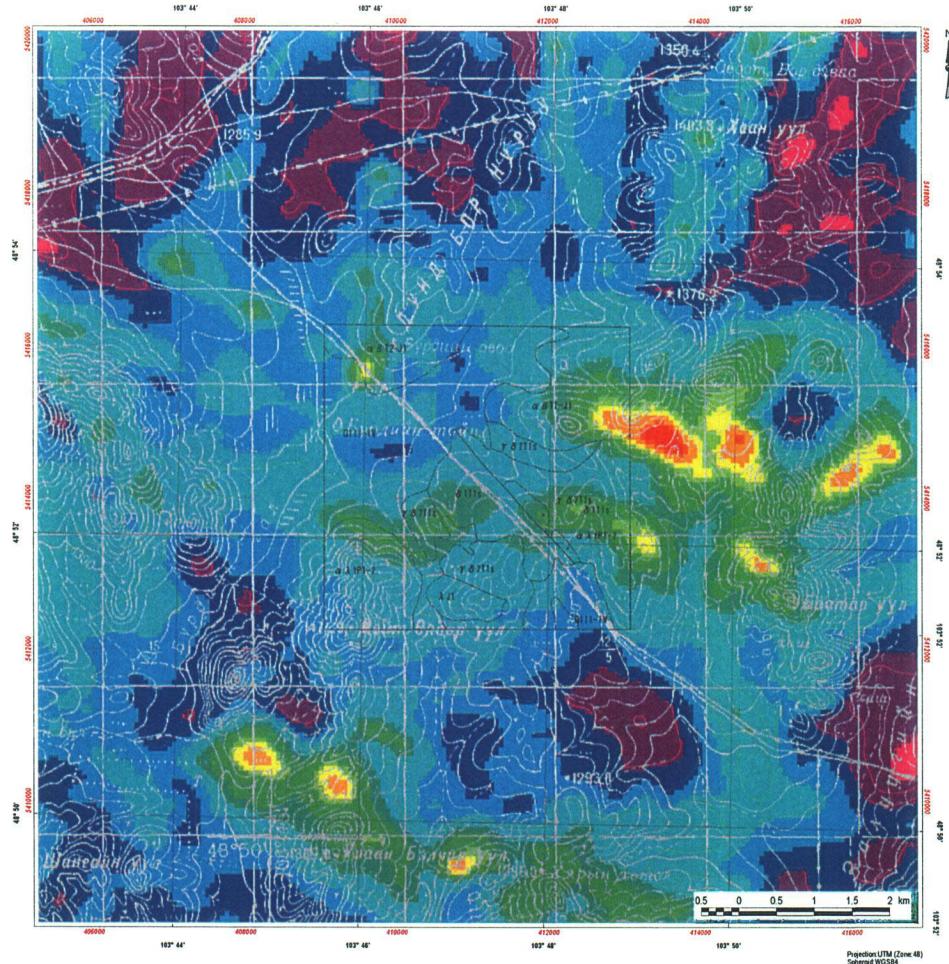
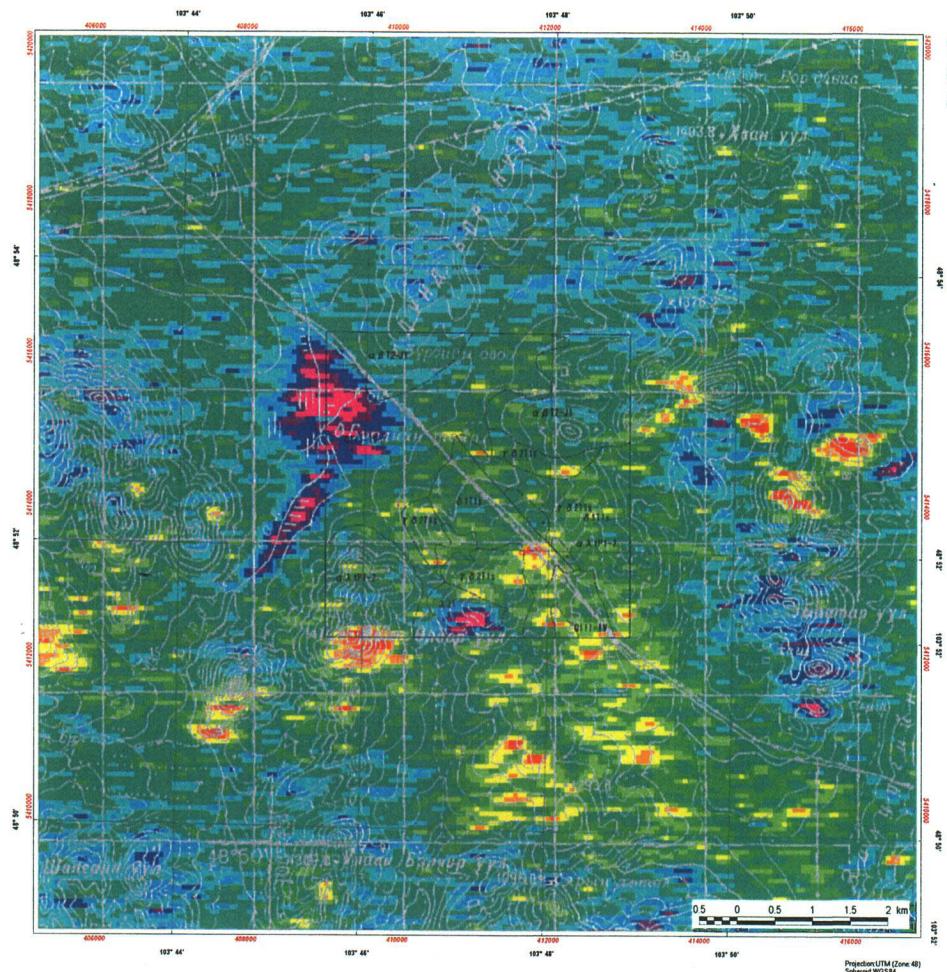


Fig. II-3-20 Total magnetic intensity of airborne survey in the Danbatseren area



#### LEGEND

Sedimentary Rocks	
Quaternary	0111-IV Upper - Recent sediments, alluvial and colluvial deposits: gravels, sand, silt and clay
Triassic to Jurassic	α 812-11 Mogod suite: volcanic rocks and dykes: microdiorite, andesite, porphyry, spilitic, dacite and tuffaceous conglomerate.
Permian	α 11P-1-1 Lower Hanugol Formation: volcanic rock and dyke of basalt, andesite, dacite and liparite.
Plutonic Rocks	
Jurassic	λ 21 Granite, granite-porphyry, syenit-porphyry, diorite, and granodiorite.
Triassic	γ δ 211s Selenge Complex: granodiorite. δ 111s Selenge Complex: diorite.
Structure	
Airborne survey	Fault
Radiometric Potassium Count	
	180 - 200 170 - 180 160 - 170 150 - 160 140 - 150 130 - 140 120 - 130 110 - 120 100 - 110 90 - 100 80 - 90 70 - 80 60 - 70 50 - 60 20 - 50

Fig. II-3-21 Radiometric potassium count of airborne geological survey in the Danbatseren area

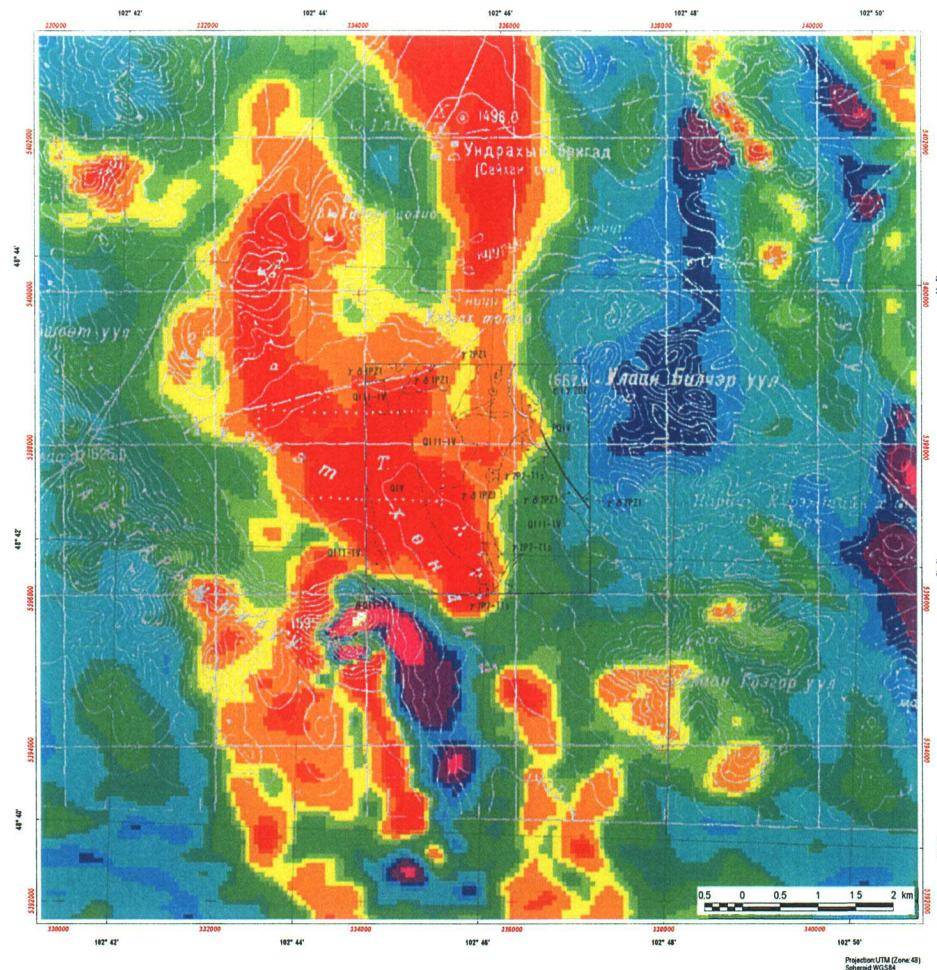


Fig. II-3-22 Total magnetic intensity of airborne survey in the Undrak area

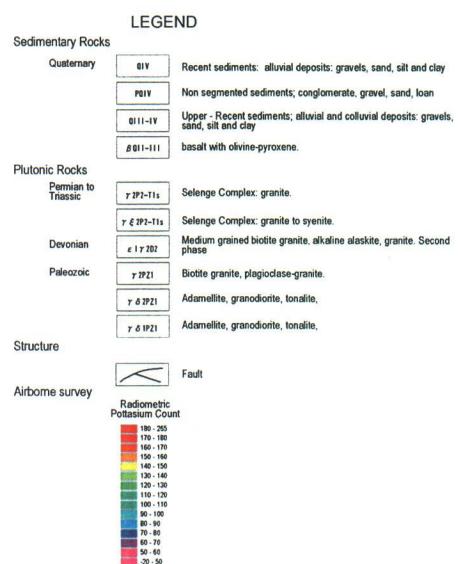
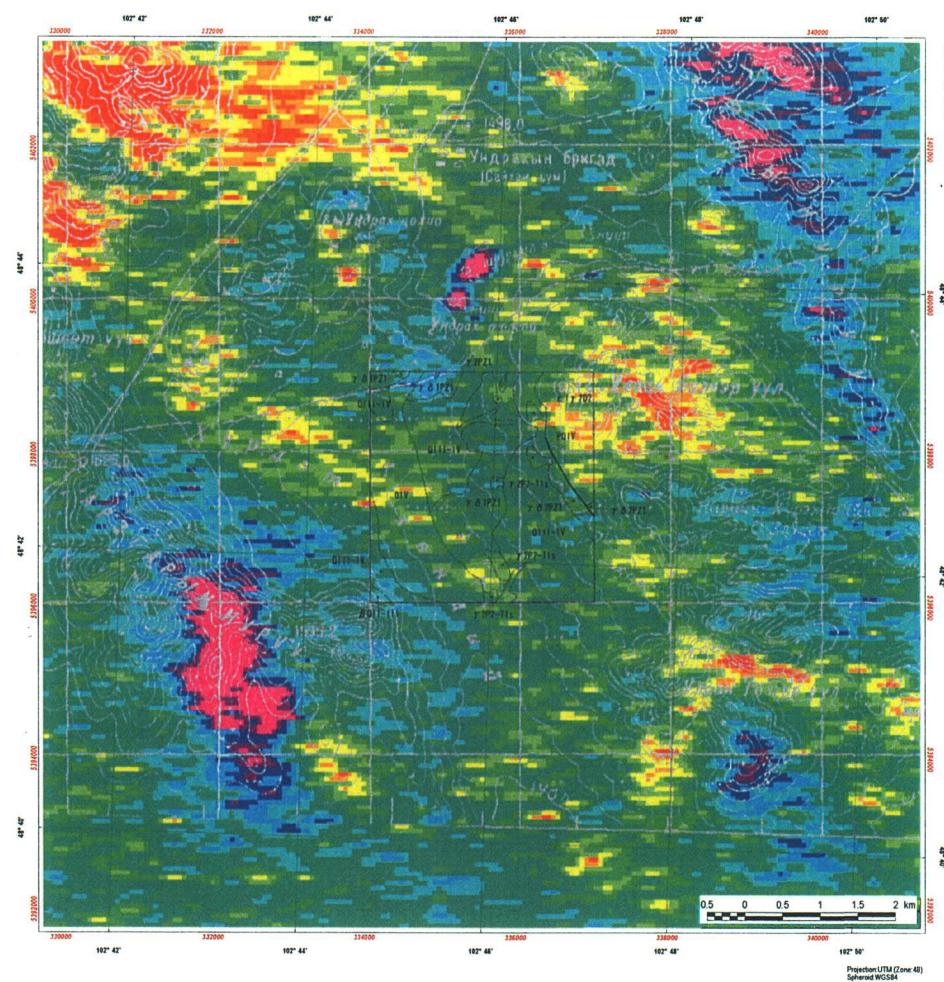


Fig. II-3-23 Radiometric potassium count of airborne geological survey in the Undrak area

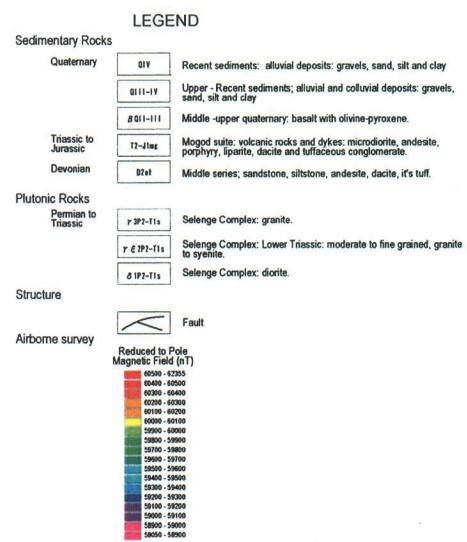
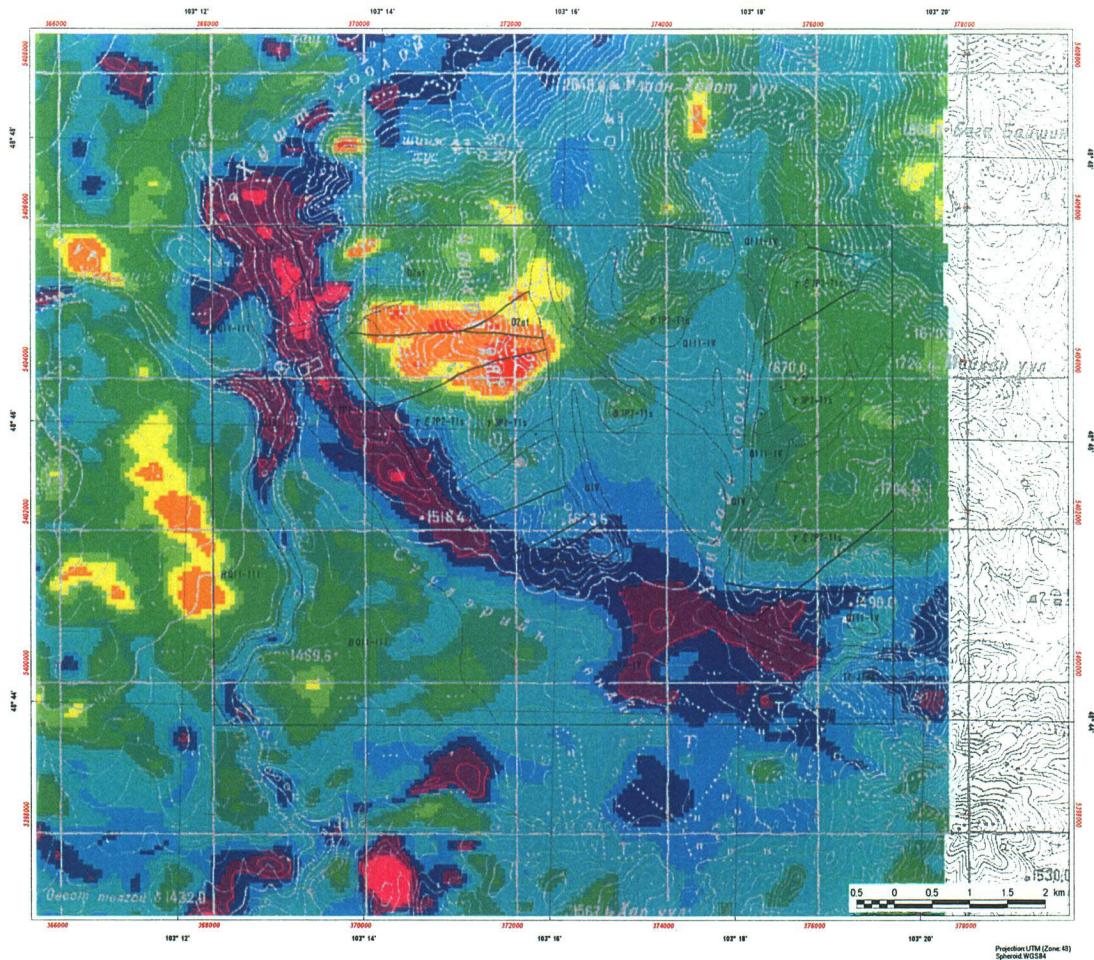
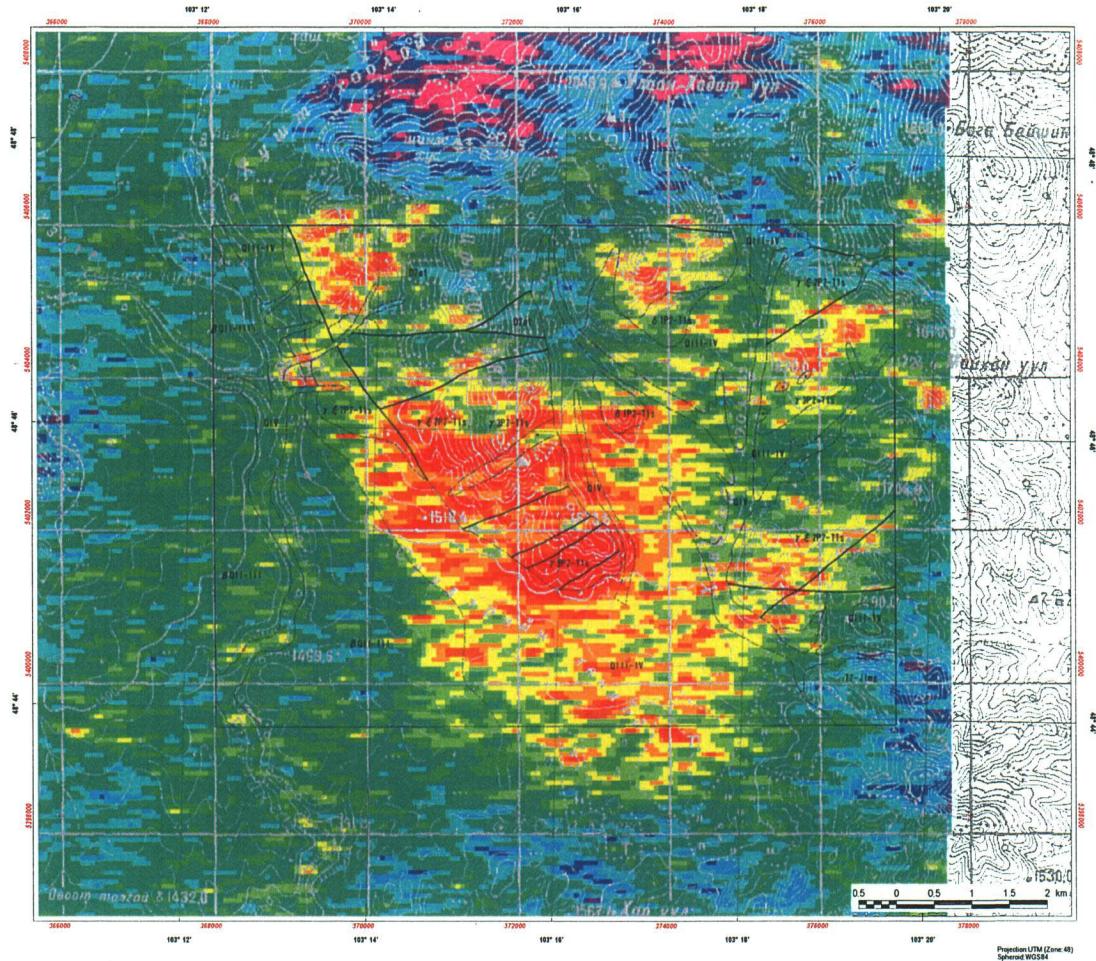


Fig. II-3-24 Total magnetic intensity of airborne survey in the Tsookher mert area



#### LEGEND

Sedimentary Rocks	
Quaternary	GIV GIII-IV B GII-III
Triassic to Jurassic	T2-J1g Mogod slate: volcanic rocks and dykes: microdiorite, andesite, porphyry, liparite, dacite and tuffaceous conglomerate.
Devonian	D7+ Middle series; sandstone, siltstone, andesite, dacite, it's tuff.
Plutonic Rocks	
Permian to Triassic	T3P2-T1z T 6 P2-T1z A P2-T1z
Structure	Fault
Airborne survey	Radiometric Potassium Count 180 - 365 170 - 180 160 - 170 150 - 160 140 - 150 130 - 140 120 - 130 110 - 120 100 - 110 90 - 100 80 - 90 70 - 80 60 - 70 50 - 60 30 - 50

Fig. II-3-25 Radiometric potassium count of airborne geological survey in the Tsookher mert area

### 3-7-8 まとめ

空中物理探査の結果から、エルデネット鉱山周辺の空中磁気探査及び空中放射能探査の特徴は、強い低磁気異常と高いカリウム放射線異常であることが確認された。

地質調査対象地区の特徴をエルデネット鉱山周辺と比較してみると、まったく同様の空中磁気探査及び空中放射能探査のパターンを示すものは認められなかった。あえて言えば、Zuukhiin gol 鉱徴地の空中磁気探査及び空中放射能探査のパターンがエルデネット鉱山周辺のものと似かよっているものと思われるが、磁気及びカリ放射能が相対的に低く、規模も小さい。