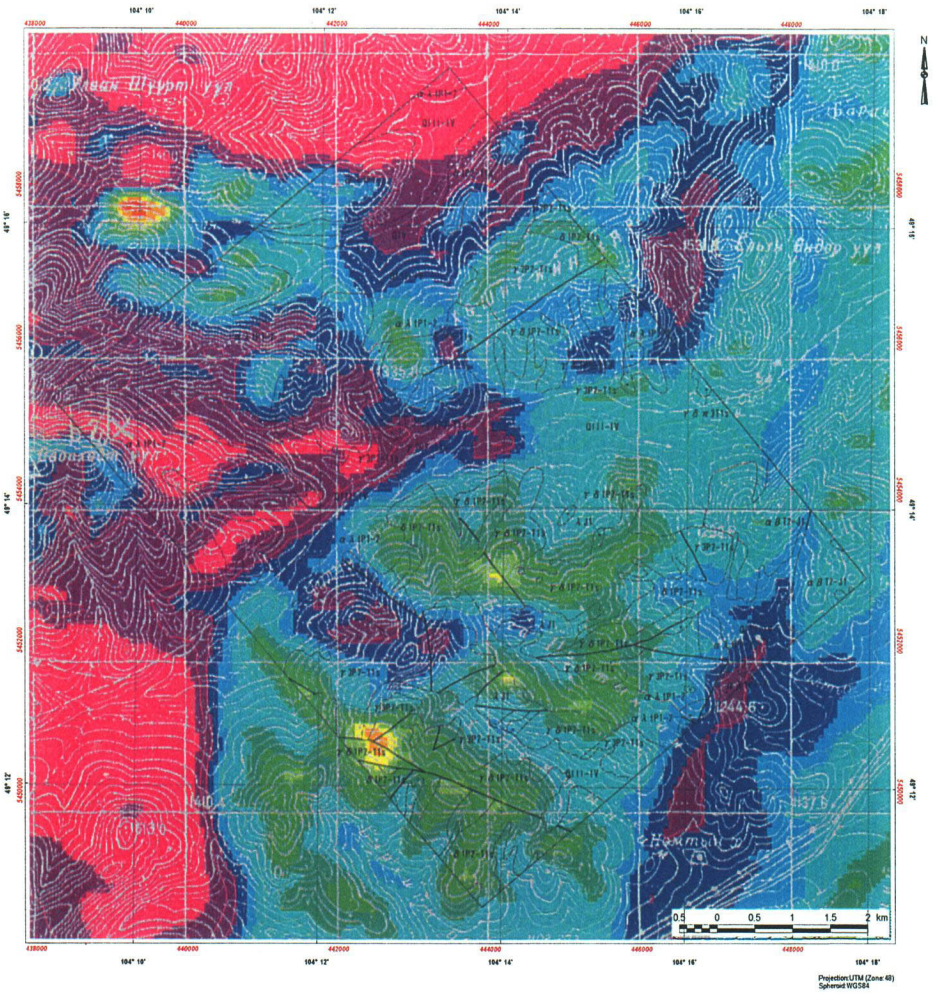


LEGEND

Sedimentary Rocks

Quaternary	Q IV	Recent sediments: alluvial deposits: gravels, sand, silt and clay
	Q III-IV	Upper - Recent sediments; alluvial and colluvial deposits: gravels, sand, silt and clay
Jurassic	λ J1	Mogod suite: volcanic rocks and dykes: microdiorite, andesite, porphyry, liparite, dacite and tuffaceous conglomerate.
Triassic to Jurassic	α β T2-J1	Mogod suite; volcanic rock and dyke of liparite, dacite, andesite and their tuff.
Permian	α λ P1-2	Lower Hanuigol Formation: volcanic rock and dyke of basalt, andesite, dacite and liparite.

Plutonic Rocks

Triassic	γ δ κ T1s	Selenge Complex: Lower Triassic: fine grained granodiorite porphyry.
Permian to Triassic	γ P2-T1s	Selenge Complex: granite.
	γ P2-T1s	Selenge Complex: granite.
	γ δ P2-T1s	Selenge Complex: granodiorite.
	δ P2-T1s	Selenge Complex: diorite.

Structure

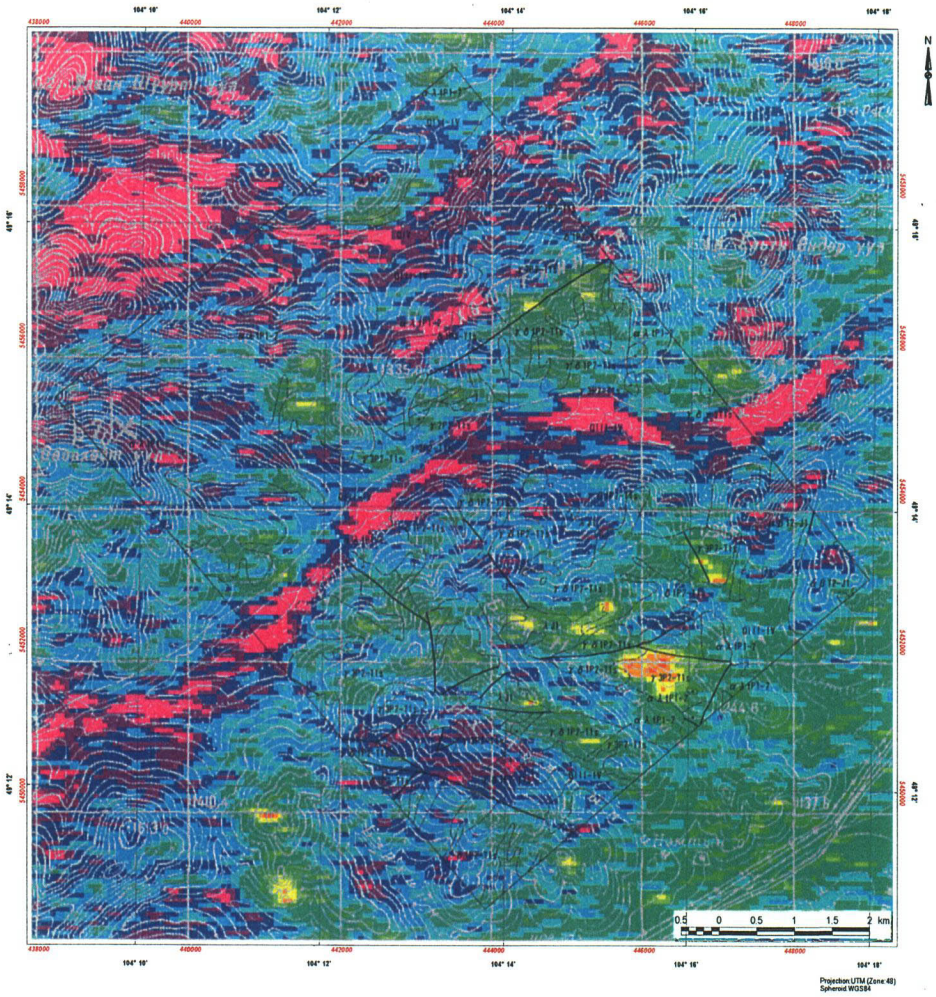
Fault

Airborne survey

Reduced to Pole Magnetic Field (nT)

60500 - 62355
60400 - 60500
60300 - 60400
60200 - 60300
60100 - 60200
60000 - 60100
59900 - 60000
59800 - 59900
59700 - 59800
59600 - 59700
59500 - 59600
59400 - 59500
59300 - 59400
59200 - 59300
59100 - 59200
59000 - 59100
58900 - 59000
58850 - 58900

Fig. II-3-12 Total magnetic intensity of airborne survey in the Zuukhiin gol area



LEGEND

Sedimentary Rocks

Quaternary	Q IV	Recent sediments: alluvial deposits: gravels, sand, silt and clay
	Q III–IV	Upper - Recent sediments; alluvial and colluvial deposits: gravels, sand, silt and clay
Jurassic	λ J1	Mogod suite: volcanic rocks and dykes: microdiorite, andesite, porphyry, liparite, dacite and tuffaceous conglomerate.
Triassic to Jurassic	α β T2–J1	Mogod suite: volcanic rock and dyke of liparite, dacite, andesite and their tuff.
Permian	α λ P1–2	Lower Hanuigol Formation: volcanic rock and dyke of basalt, andesite, dacite and liparite.

Plutonic Rocks

Triassic	γ δ π T1s	Selenge Complex: Lower Triassic: fine grained granodiorite porphyry.
Permian to Triassic	γ P2–T1s	Selenge Complex: granite.
	γ P2–T1s	Selenge Complex: granite.
	γ δ P2–T1s	Selenge Complex: granodiorite.
	δ P2–T1s	Selenge Complex: diorite.

Structure

Fault

Airborne survey

Radiometric Pottasium Count

180 - 265
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-3-13 Radiometric potassium count of airborne geological survey in the Zuukhiin gol area

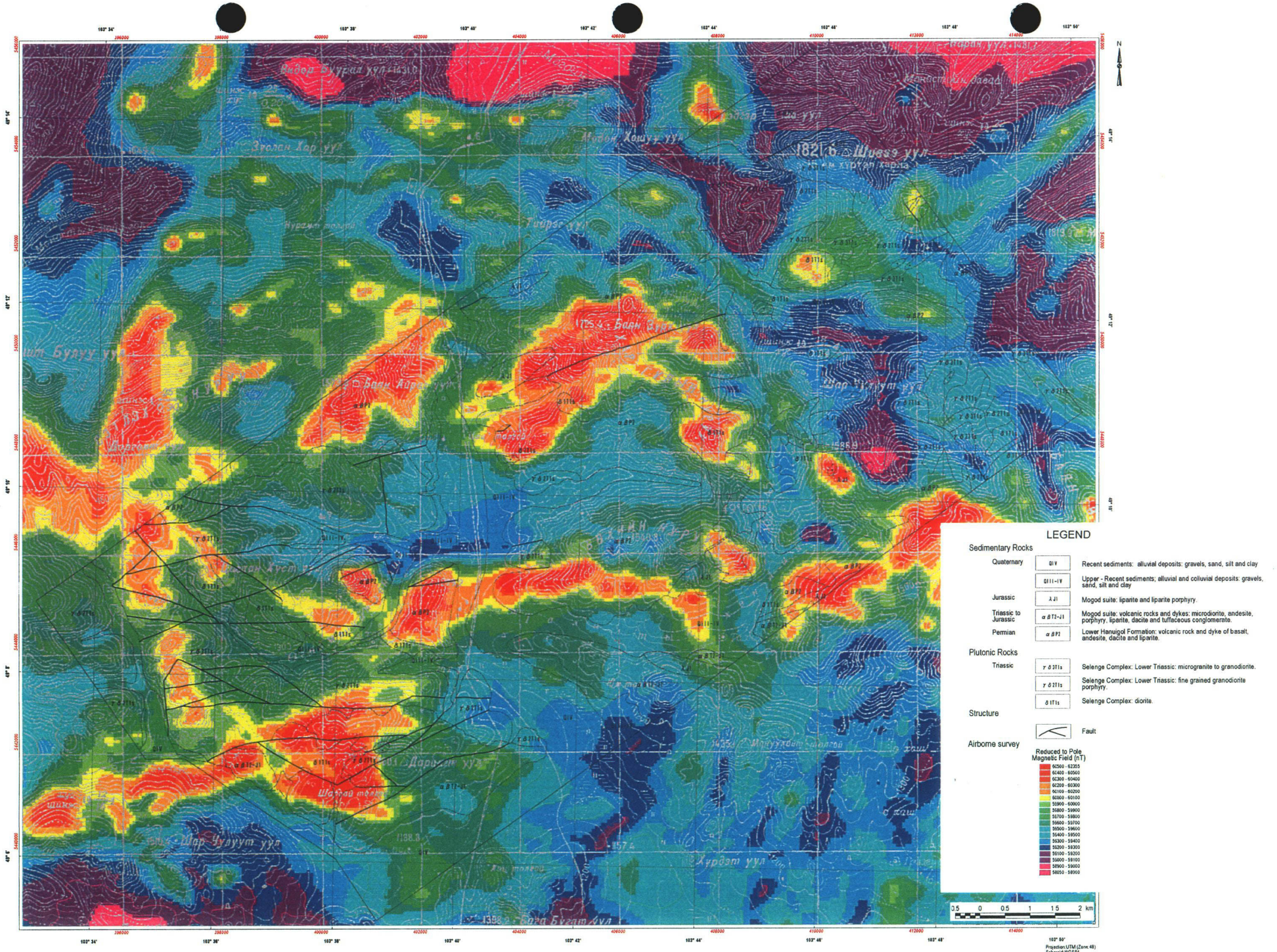


Fig. II-3-14 Total magnetic intensity of airborne survey in the Mogoin gol/Khujiriin gol area

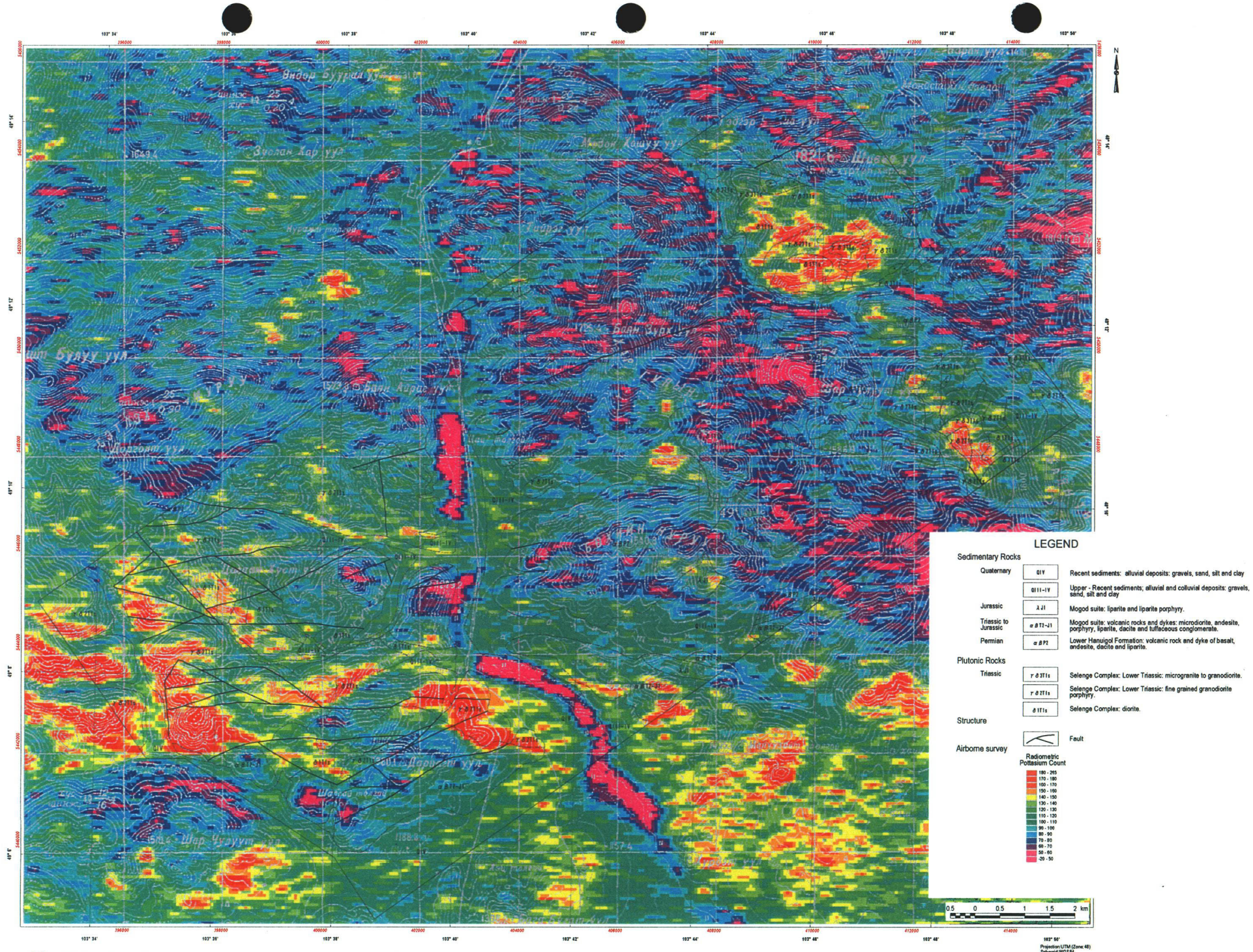
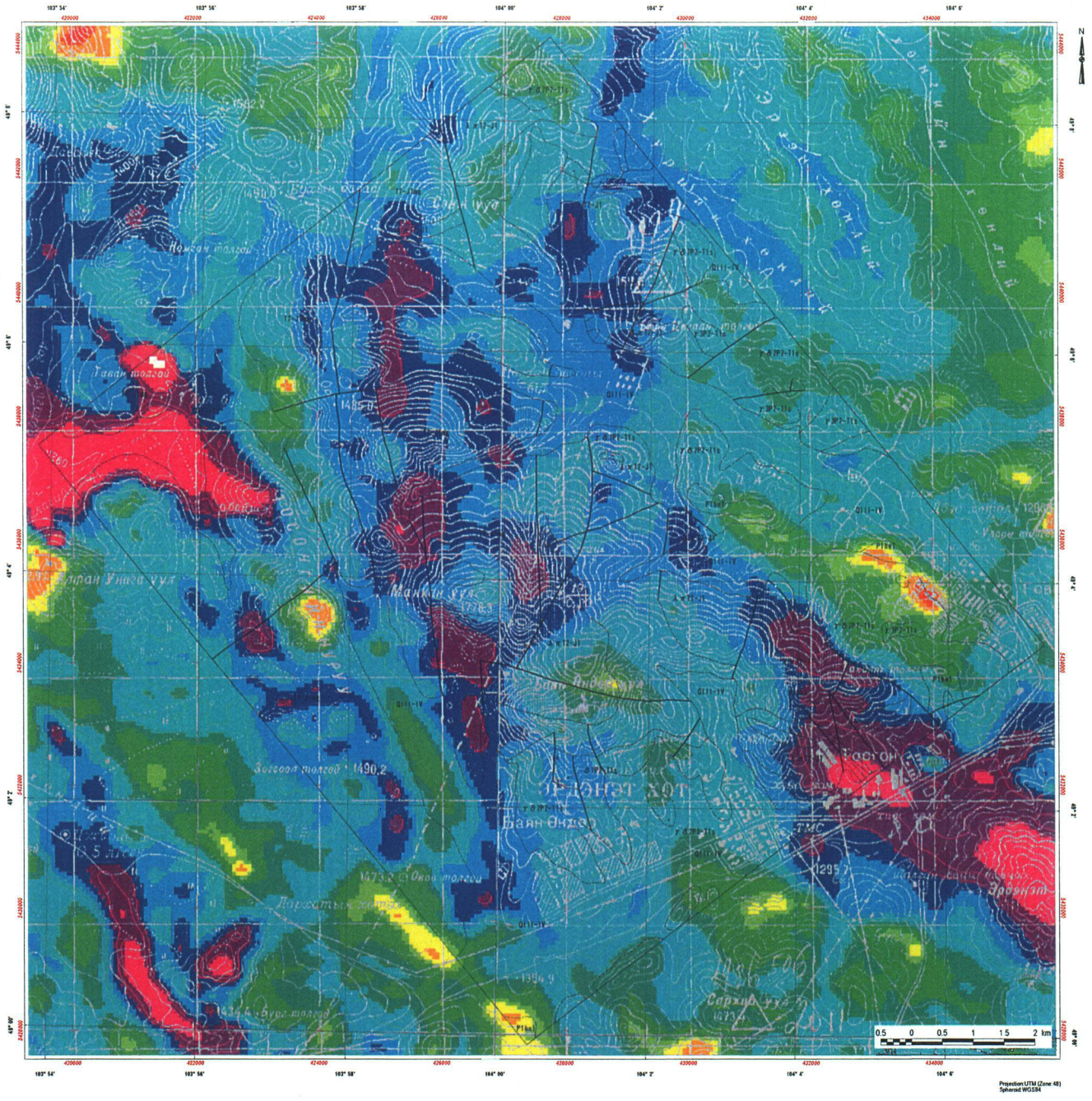


Fig. II-3-15 Radiometric potassium count of airborne geological survey in the Mogoin gol /Khuiiriin gol area



LEGEND

Sedimentary Rocks

Quaternary	Q III-IV	Upper - Recent sediments; alluvial and colluvial deposits: gravels, sand, silt and clay
Triassic to Jurassic	λ πT2-J1	Mogod suite: volcanic rocks and dykes: porphyry, liparite and dacite.
	T2-J1mg	Mogod suite: volcanic rocks and dykes: microdiorite, andesite, porphyry, liparite, dacite and tuffaceous conglomerate.
Permian	P1hn1	Lower Hanuigol Formation: volcanic rock and dyke of basalt, andesite, dacite and liparite.

Plutonic Rocks

Permian to Triassic	γ ΣP2-T1s	Selenge Complex: Lower Triassic: fine grained granodiorite porphyry.
	γ δ ΣP2-T1s	Selenge Complex: Lower Triassic: fine grained granodiorite porphyry.
	δ ΣP2-T1s	Selenge Complex: diorite.

Structure

Fault

Airborne survey

Reduced to Pole Magnetic Field (nT)

60500 - 62355
60400 - 60500
60300 - 60400
60200 - 60300
60100 - 60200
60000 - 60100
59900 - 60000
59800 - 59900
59700 - 59800
59600 - 59700
59500 - 59600
59400 - 59500
59300 - 59400
59200 - 59300
59100 - 59200
59000 - 59100
58900 - 59000
58850 - 58900

Fig. II-3-16 Total magnetic intensity of airborne survey in the Tsagaan Chuluut area

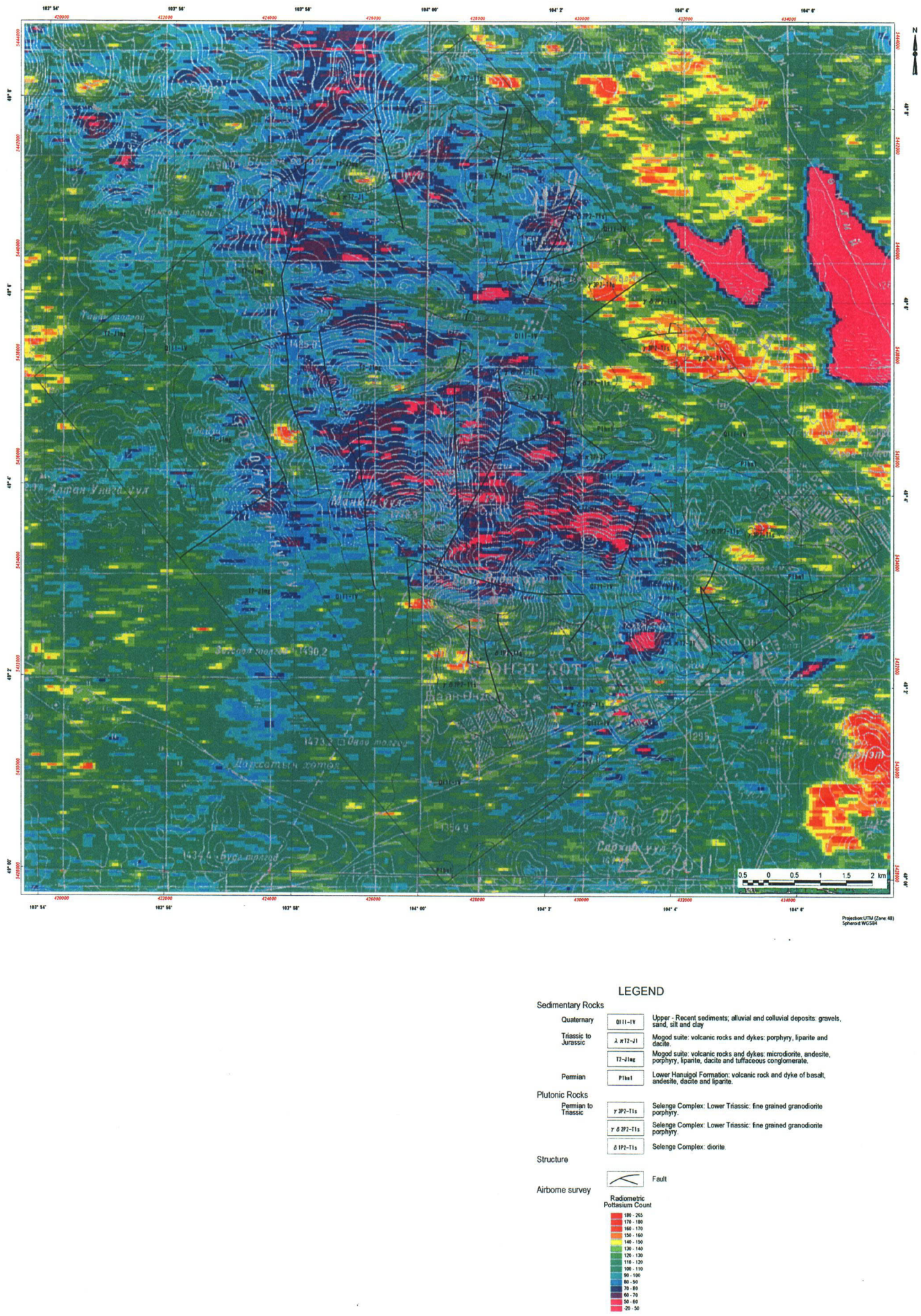
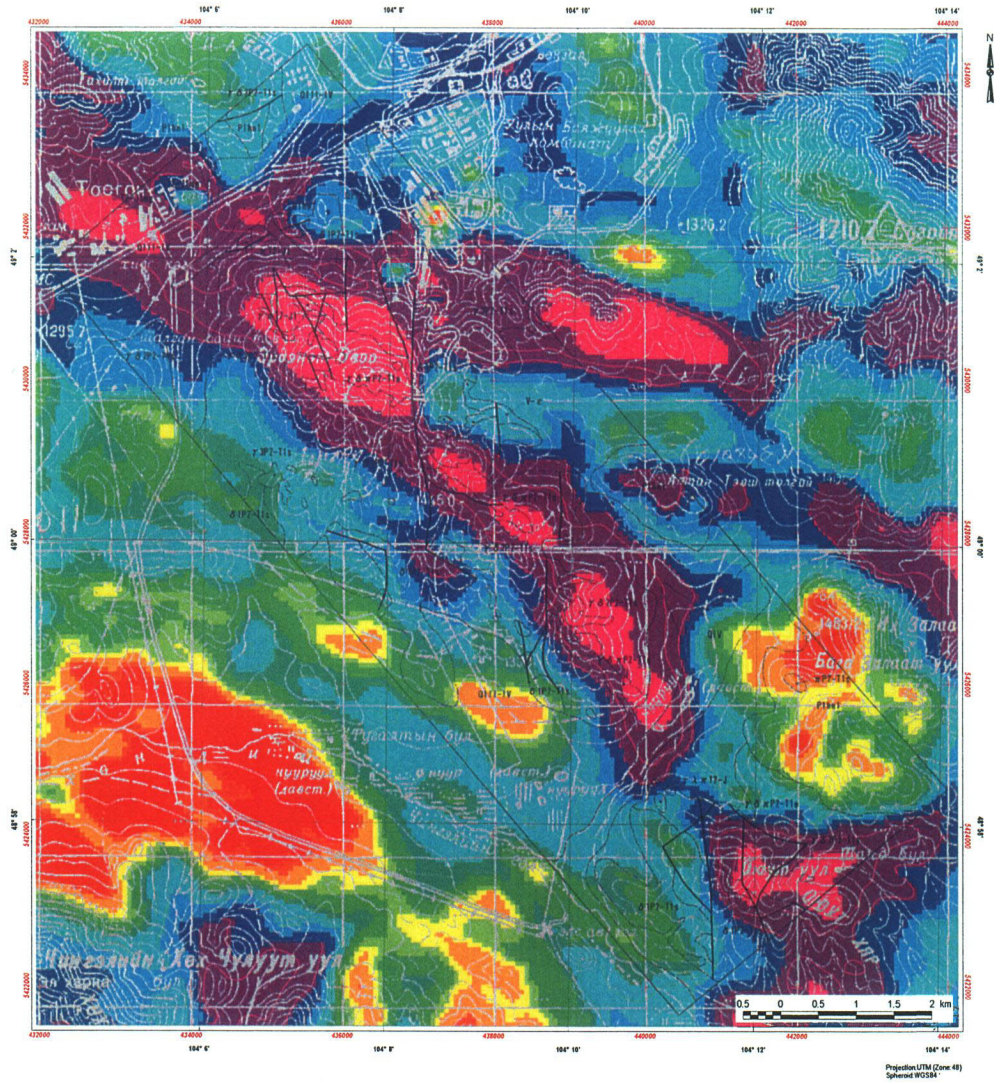


Fig. II-3-17 Radiometric potassium count of airborne geological survey in the Tsagaan Chuluut area



LEGEND

Sedimentary Rocks

Quaternary	Q1V	Recent sediments: alluvial deposits: gravels, sand, silt and clay
	Q1II-IV	Upper - Recent sediments; alluvial and colluvial deposits: gravels, sand, silt and clay
Triassic to Jurassic	T2-J1mg	Mogod suite: volcanic rocks and dykes: microdiorite, andesite, porphyry, liparite, dacite and tuffaceous conglomerate.
Permian	P1hn1	Lower Hanuigol Formation: volcanic rock and dyke of basalt, andesite, dacite and liparite.
	V-€	Late Riphean Early Cambrian undivided: amphibolite, carbonate-chlorite, siliceous clayey, and sericite schist

Plutonic Rocks

Triassic to Jurassic	πT2-J1	Porphyry
	ε λ πT2-J	Andesite poyphyry
	γ πT2-J1	Granite porphyry
Permian to Triassic	γ δ πP2-T1s	Erdenet Complex: granite-porphyry and plagio-porphyry
	πP2-T1s	Selenge Complex: granite-porphyry and plagio-porphyry
	γ 3P2-T1s	Selenge Complex: granite-porphyry and plagio-porphyry
	γ δ 3P2-T1s	Granite, and granodiorite
	δ 1P2-T1s	Selenge Complex: diorite.

Structure

Fault

Airborne survey

Reduced to Pole Magnetic Field (nT)

60500 - 62255
60400 - 60500
60300 - 60400
60200 - 60300
60100 - 60200
60000 - 60100
59900 - 60000
59800 - 59900
59700 - 59800
59600 - 59700
59500 - 59600
59400 - 59500
59300 - 59400
59200 - 59300
59100 - 59200
59000 - 59100
58900 - 59000
58850 - 58900

Fig. II-3-18 Total magnetic intensity of airborne survey in the Erdenet Mine area