

**MINISTRY OF INDUSTRY AND TRADE OF MONGOLIA  
MINERAL RESOURCES AUTHORITY OF MONGOLIA**

**GEOLOGICAL INFORMATION CENTER**

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**DISTRIBUTION MAP OF DEPOSITS  
AND OCCURRENCES IN MONGOLIA,  
(at the Scale 1:1,000,000)**

**Ulaanbaatar 2001**

# I. METALS AND INDUSTRIAL MINERALS DEPOSITS AND OCCURRENCES IN MONGOLIA

## Introduction

“Distribution Map of Metals and Industrial Minerals Deposits and Occurrences in Mongolia” at the scale 1:1,000,000, was compiled by Gunchingiin Dejidmaa, Boijiryn Bujinlkhamb, Tumengiin Ganbaatar, Namsraijavyn Oyuntuya and Battogtohyn Enkhtuya, in Geological Information Center, Geological Office, Mineral Resources Authority of Mongolia, in 1999–2000. The Map was compiled on the basis of Geological Map of Mongolia at the scale 1:1,000,000, published in 2000. Metals and Industrial Minerals Deposits and Occurrences data were extracted from Open File Reports on Geological mapping and General prospecting at the scale 1:200,000 and 1:50,000, different purpose exploration works, different thematic mineral resources and metallogenic investigation works carried out in 1939–1999, and publications during 1939–1999, without additional field and laboratory investigation.

The “Distribution Map of Metals and Industrial Minerals Deposits and Occurrences in Mongolia, at the scale of 1:1,000,000” was edited by J.Lkhamsuren, G.Dejidmaa, O.Gerel, S.Dandar, Sh.Batjargal, B.Bold-Erdene, and D.Batbold.

The Basic “Geological Map of Mongolia” at the scale 1:1,000,000 was compiled by G. Badarch, Ts. Makhbadar, D.Orolmaa, and O.Tomurtogoo, in Institute of Geology and Mineral Resources of the Mongolian Academy of Sciences in 1999, and edited by O.Tomurtogoo, J.Byamba, G.Badarch, Ya.Bat-Ireedui, Ts.Makhbadar, Ch.Minjin, D.Orolmaa, P.Khosbayar and D.Chuluun.

Mineral deposits and occurrences shown in the Distribution Map of Metals and Industrial Minerals Deposits and Occurrences in Mongolia, were numbered from 1 in every 1:1,000,000 scale Sheet map. There are 1:1,000,000 scale 14 Sheet maps represented M – 45 (including a little part of the Sheet L – 45), M – 46, M – 47, M – 48, M – 49, M – 50, L – 46, L – 47, L – 48, L – 49, L – 50, K – 47 (including a little part of the Sheet K – 46), K – 48 and K – 49, in the territory of Mongolia (Figure 1).

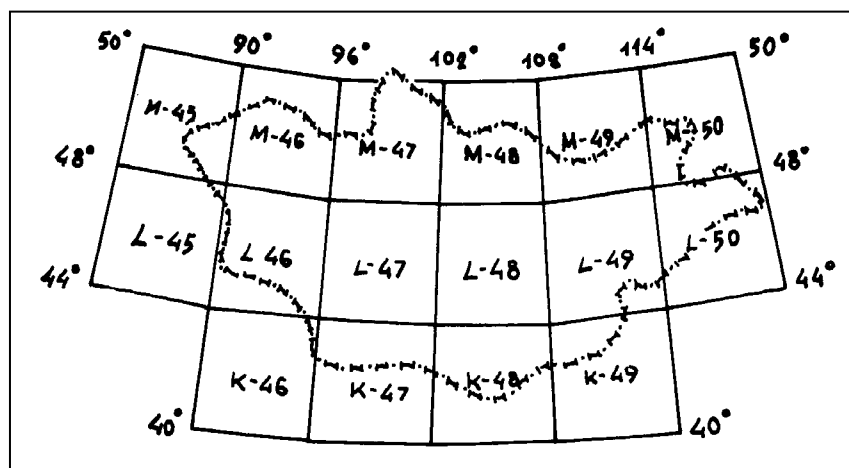


Figure 1. Location of 1:1,000,000 scale Sheet Maps in the territory of Mongolia

Tables of Significant Mineral Deposits and Occurrences in 14 Sheets, are attached (Appendix from 1 to 14). The Table for individual 1:1,000,000, scale Sheet includes:

- Deposit and Occurrences Number in the Sheet
- Passport Number of some individual deposits and occurrences. The major Deposit and occurrence passport was made in Mongolian, in Geological Information Center of Mongolia during 1989 – 1998, but passport of some deposits and occurrences wasn't made at the present time.
- Location coordinates (Latitude North and Longitude East) of individual deposit and occurrence.
- Major commodities
- Minor commodities
- Supposed deposit type of deposits and occurrences.
- Data sources represented Number of Open File Reports, available in Geological Information Center of Mongolia.

417 deposits and 3663 occurrences of significant 53 mineral resources (table 1) were shown in the Distribution Map. To clarify the sites where concentrations of potentially valuable minerals, belong to mineral deposit and/or mineral occurrence, we used following definitions.

*Mineral deposit:* 1) a site where concentrations of potentially valuable minerals for which grade and tonnage estimates have been made, 2) a site where is operating mining, 3) a site where was mineral resources were mined, but quantity of extracted resources unknown, 4) a site where extracted resources are known, 5) a site where valuable minerals have been extracted, but nowadays closed due economically difficult situation.

*Mineral occurrence* - a site of potentially valuable minerals on which excavation has occurred, and there are some data for major and minor commodities and their grades, for surface size of mineralized bodies, some data for geology of the site, and sometimes mineralized bodies are traced down dip by few drill holes.

The “Distribution Map of Metals and Industrial Minerals Deposits and Occurrences in Mongolia” at the scale 1:1,000,000, shows regional distribution and location of significant mineral deposits and occurrences of Mongolia. The tables of Significant Mineral Deposits and Occurrences for the Map, represent a Guidebook with first level necessary data of significant mineral deposits and occurrences with recommendation for detailed information regarding the individual deposit and occurrences.

**Table 1. Mineral Resource Types**

<b>1</b>	<b>Mineral resource</b>	<b>1</b>	<b>Mineral resource</b>
<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>
	<b>FERROUS METALS</b>		<b>NOBLE METALS</b>
1	Iron	28	Gold
2	Manganese	29	Silver
3	Chromium	30	Platinum
4	Titanium	31	<b>RARE EARTH METALS</b>
5	Vanadium		<b>INDUSTRIAL MINERALS</b>
	<b>RARE METALS</b>	32	Fluorite
6	Tungsten	33	Asbestos
7	Molybdenum	34	Talc
8	Tin	35	Feldspar
8	Beryllium	36	Barite
10	Tantalum	37	Zeolite
11	Niobium	38	Graphite

12	Lithium	39	Kaolinite
13	Zirconium	40	Phosphate
14	Strontium	41	Halite
15	Mercury	42	Gypsum, anhydride
16	Antimony	43	Alunite
17	Bismuth	44	Crystal, quartz
18	Strontium(celestite)	45	Magnesite
19	Uranium	46	Pyrophyllite
20	Thorium	47	Disthen
	<b>NON FERROUS METALS</b>		Sillimanite
21	Copper		Andalusite
22	Nickel		Staurolite
23	Led	48	Garnet (almandine, andradite)
24	Zinc	49	Pyrope
25	Cobalt	50	Bentonite
26	Bauxite	51	Muscovite
27	Nepheline	52	Nephrite
		53	Quartzic sand

## **II. MINERAL DEPOSITS AND OCCURRENCES OF MONGOLIA**

(Fuel Resources, Gemstones, Ornamental Stones, Colored Stones, Silica Resources, Industrial Diamond, Continental Lake Evaporates, Mineral Pigments, Sulfur Resources, Minerals and Rocks for Construction uses)

### **Introduction**

“Distribution Map of Mineral Deposits and Occurrences in Mongolia” at the scale of 1:1,000,000, was compiled by Gunchingiin Dejidmaa, Boijiryn Bujinlkham, Tumengiin Ganbaatar, Namsraijavyn Oyuntuya, Battogtohyn Enkhtuya, Adyagiin Eviihuu and Namsrain Monk-Erdene in Geological Information Center, Geological Office, Mineral Resources Authority of Mongolia, in 1999 – 2001.

The Map was compiled on the basis of Geological Map of Mongolia at the scale of 1:1,000,000, published in 2000. The Basic “Geological Map of Mongolia” at the scale 1:1,000,000 was compiled by G. Badarch, Ts. Makhbadar, D.Orolmaa, and O. Tomurtogoo, in Institute of Geology and Mineral Resources of the Mongolian Academy of Sciences in 1999, and edited by O.Tomurtogoo, J.Byamba, G.Badarch, Ya. Bat-Ireedui, Ts. Makhbadar, Ch.Minjin, D.Orolmaa, P.Khosbayar and D.Chuluun.

Mineral Deposits and Occurrences data were extracted from Open File Reports on Geological mapping and General prospecting at the scale 1:200,000 and 1:50,000, different purpose exploration works, different thematic mineral resources and metallogenic investigation works carried out in 1939 – 2000, and publications during 1939 – 2000, without additional field and laboratory investigation.

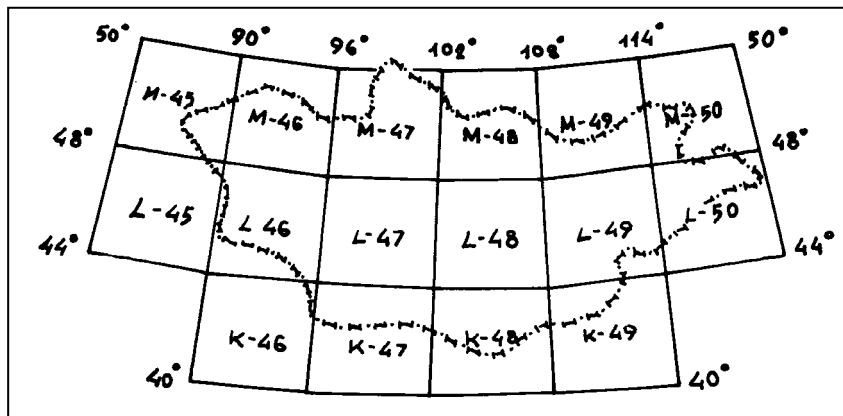
The “Distribution Map of Mineral Deposits and Occurrences in Mongolia at the scale of 1:1,000,000” was compiled on 2 stages.

The “Distribution Map of Metals and Industrial Minerals Deposits and Occurrences in Mongolia” was compiled in the first stage by Gunchingiin Dejidmaa, Boijiryn Bujinlkham, Tumengiin Ganbaatar, Namsraijavyn Oyuntuya, Battogtohyn Enkhtuya, in 1999 – 2000 and edited by J.Lkhamsuren, G.Dejidmaa, O.Gerel, S.Dandar, Sh.Batjargal, B.Bold-Erdene, and D.Batbold.

Deposits and Occurrences of Fuel Resources, Gemstones, Ornamental Stones, Colored Stones, Silica Resources, Industrial Diamond, Continental Lake Evaporates, Mineral Pigments, Sulfur Resources, Minerals and Rocks for Construction uses, were added on the Map of the first stage, in 2001 by Gunchingiin Dejidmaa, Boijiryn Bujinlkham, Tumengiin Ganbaatar, Namsraijavyn Oyuntuya, Battogtohyn Enkhtuya, Adyagiin Eviihuu and Namsrain Monk-Erdene. The second stage work was edited by B.Begzsuren and D.Bat-Erdene.

Mineral deposits and occurrences of Metals and Industrial Minerals Deposits and Occurrences in Mongolia, shown in the map, were numbered by black color from 1 in every 1:1,000,000 scale Sheet map. Mineral deposits and occurrences of Fuel Resources, Gemstones, Ornamental Stones, Colored Stones, Silica Resources, Industrial Diamond, Continental Lake Evaporates, Mineral Pigments, Sulfur Resources, and Minerals and Rocks for Construction uses, added in 2001, were numbered also in every 1:1,000,000 scale Sheet map, by red color continuing number of Deposits and Occurrences shown in the Map at the first stage,.

There are 1:1,000,000 scale 14 Sheet maps represented M-45 (including a little part of the Sheet L-45), M-46, M-47, M-48, M-49, M-50, L-46, L-47, L-48, L-49, L-50, K-47 (including a little part of the Sheet K-46), K-48 and K-49, in the territory of Mongolia (Figure 1).



**Figure 1. Location of 1:1,000,000 scale Sheet Maps in the territory of Mongolia**

The Book contains Tables of Mineral Deposits and Occurrences of Fuel Resources, Gemstones, Ornamental Stones, Colored Stones, Silica Resources, Industrial Diamond, Continental Lake Evaporates, Mineral Pigments, Sulfur Resources, and Minerals and Rocks for Construction Uses, in 14 Sheets at the scale of 1:1,000,000 (Appendix from 1 to 14).

The Table for individual 1:1,000,000, scale Sheet includes:

- Deposit and Occurrences Number in the Sheet
- Passport Number of some individual deposits and occurrences. The major Deposit and Occurrence Passport was made in Mongolian, in Geological Information Center of Mongolia during 1989 – 1998, but passport of some deposits and occurrences wasn't made at the present time.
- Location coordinates (Latitude North and Longitude East) of individual deposit and occurrence.
- Major Resources
- Minor Resources
- Mineral Resources Group (Fuel Resources, Gemstones, Ornamental Stones, Colored Stones, Silica Resources, Industrial Diamond, Continental Lake Evaporates, Mineral Pigments, Sulfur Resources, and Minerals and Rocks for Construction Uses)
- Data sources represented Number of Open File Reports, available in Geological Information Center of Mongolia.

522 deposits and 1287 occurrences of Fuel Resources, Gemstones, Ornamental Stones, Colored Stones, Silica Resources, Industrial Diamond, Continental Lake Evaporates, Mineral Pigments, Sulfur Resources, and Minerals and Rocks for Construction Uses, were shown in the Distribution Map (Table 1 and 2).

To clarify the sites where concentrations of potentially valuable minerals, belong to mineral deposit and/or mineral occurrence, we used following definitions:

*Mineral deposit:* 1) a site where concentrations of potentially valuable minerals for which grade and tonnage estimates have been made, 2) a site where is operating mining, 3) a site where was mineral resources were mined but, but quantity of extracted resources unknown, 4) a site where extracted resources are known, 5) a site where valuable minerals have been extracted, but nowadays closed due economically difficult situation.

*Mineral occurrence* - a site of potentially valuable minerals on which excavation has occurred, and there are some data for major and minor commodities and their grades, for surface size of mineralized bodies, some data for geology of the site, and sometimes mineralized bodies are traced down dip by few drill holes.

The Distribution Map of Mineral Deposits and Occurrences in Mongolia at the scale 1:1,000,000, shows regional distribution and location of significant mineral deposits and occurrences of Mongolia. The tables of Mineral Deposits and Occurrences for the Map, represent a Guidebook with first level necessary data of significant mineral deposits and occurrences with recommendation for detailed information regarding the individual deposit and occurrences.

**Table 1.** Mineral Deposits of Fuel Resources, Gemstones, Ornamental Stones, Colored Stones, Silica Resources, Industrial Diamond, Continental Lake Evaporates, Mineral Pigments, Sulfur Resources, and Minerals and Rocks for Construction Uses

No.	Mineral Resources	M -45	M -46	M -47	M-48	M-49	M -50	L -46	L -47	L -48	L -49	L-50	K-47	K-48	K-49	Sum.
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
<b>I.</b>	<b>Fuel Resources:</b>															
	1	Peat														
	2	Brown coal			1	1	3	3	3	1	5	14	7			<b>38</b>
	3	Hard coal		6	6	4			6	4	2	1		2	3	<b>34</b>
	4	Oil shale									5	1				<b>6</b>
	5	Petroleum										2	1			<b>3</b>
<b>II.</b>	<b>Gem, Ornamental &amp; Colored Stones:</b>															
	1	Gemstones			1	1			1							<b>3</b>
	2	Ornamental Stones							1	3	4	6		5		<b>19</b>
	3	Colored Stones	1		1					3	10	6		5	1	<b>27</b>
<b>III.</b>	<b>Silica Resources:</b>															
	1	Silica Sand														
	2	Silica Specialty Materials				1					1	3				<b>5</b>
<b>IV.</b>	<b>Industrial Diamond</b>															
<b>V.</b>	<b>Continental Lake Evaporates:</b>															
	1	Salt or Halite		6					3	1	1					<b>11</b>
	2	Halite & Sodium Sulfate Resources		2					3	5	4	2	1	1		<b>18</b>
	3	Sodium Sulfate Resources			1	3		7	1	1	9	7	5			<b>34</b>
	4	Sodium Sulfate Resources & Soda Ash						2								<b>2</b>



	5	Soda Ash		1							1						2
	6	Sodium Sulfate Resources & Epsomite				1											1
	7	Epsomite															
<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>
<b>VI.</b>	<b>Mineral Pigments:</b>																
	1	Pigments, different colored clays	2								4						6
	2	Pigments, iron oxide								5		1			3		9
<b>VI I</b>	<b>Sulfur Resources:</b>																
	1	Sulfur															
<b>VI II</b>	<b>Minerals &amp; Rocks for Construction Uses:</b>																
	1	Bitumen										2					2
	2	Limestone		5	2	7		1	2	4	9	7	2		1		40
	3	Dolomite			1	1											2
	4	Clayey shale		1	1					3							5
	5	Chalk								1							1
	6	Marl															
	7	Clays and Loam	3	9	4	14	1	2	3	9	18	9	1		4		77
	8	Sand		6	2	9		4	1	4	11	15	2		2		56
	9	Sand and Gravel	1	6	5	13			2	8	4	3	2				44
	10	Decorative stones			2	1					2						5
	11	Crushed, Building & Dimension Stones	2	4	4	15		2	1	5	2	9	1		2		47
	12	Volcanic Cinders and Pumice			7	1				4	6		1		2		21
	13	Perlite									3	1					4
		<b>Summary</b>	<b>9</b>	<b>46</b>	<b>38</b>	<b>72</b>	<b>4</b>	<b>21</b>	<b>27</b>	<b>61</b>	<b>101</b>	<b>89</b>	<b>23</b>	<b>3</b>	<b>27</b>	<b>1</b>	<b>522</b>

Table 2. Mineral Occurrences of Fuel Resources, Gemstones, Ornamental Stones, Colored Stones, Silica Resources, Industrial Diamond, Continental Lake Evaporates, Mineral Pigments, Sulfur Resources, and Minerals and Rocks for Construction uses

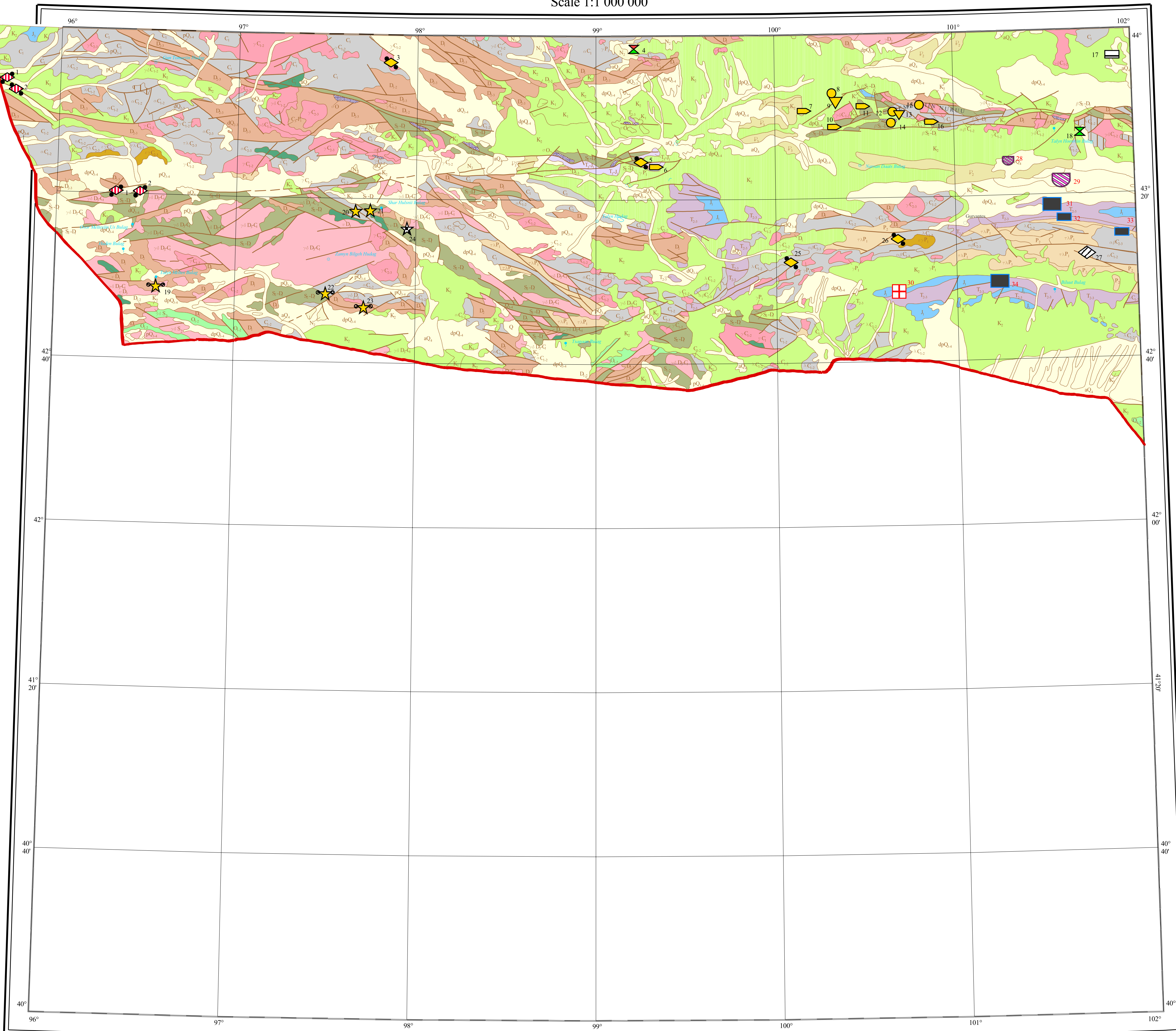
No.		M -45	M -46	M -47	M-48	M-49	M -50	L -46	L -47	L -48	L -49	L-50	K-47	K-48	K-49	Sum.	
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
<b>I.</b>	<b>Fuel Resources:</b>																
	1	Peat		1		1			3			1	1				7
	2	Brown coal		10	7	6	4	16	7	17	39	44	11			4	165
	3	Hard coal	1	6	9	3			23	20	4	10		2	13		91
	4	Oil shale					3	5		2	17	13	1		2		43
	5	Petroleum						1				4	3				8
<b>II.</b>	<b>Gem, Ornamental &amp; Colored Stones:</b>																
	1	Gemstones			1	1	2	1	3	2	8	1	2				21
	2	Ornamental Stones		3	11	3	8		3	12	20	13	2		2	3	80
	3	Colored Stones		7	12	6	4	3	6	6	9	26			5	1	85
<b>III.</b>	<b>Silica Resources:</b>																
	1	Silica Sand			1												1
	2	Silica Specialty Materials							1	5	5	8					19
<b>IV.</b>	<b>Industrial Diamond</b>			1								1					2
<b>V.</b>	<b>Continental Lake Evaporates:</b>																
	1	Salt or Halite		1	1		1	3	2	1	2	3	3	1	2		20
	2	Halite & Sodium Sulfate Resources		1			1		3		1						6
	3	Sodium Sulfate Resources		2	4	1	7	3	2		5	14	7				45
	4	Sodium Sulfate Resources & Soda Ash						1									1
	5	Soda Ash		1					1		1	1					4

	6	Sodium Sulfate Resources & Epsomite															
	7	Epsomite									1						1
<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>
<b>VI.</b>	<b>Mineral Pigments:</b>																
	1	Pigments, different colored clays	1	8	12	4	1	1	3		13						43
	2	Pigments, iron oxide							1	3		3			2	1	10
<b>VII</b>	<b>Sulfur Resources:</b>																
	1	Sulfur		2	2												4
<b>VIII</b>	<b>Minerals &amp; Rocks for Construction Uses:</b>																
	1	Bitumen					1	3		2	1	2					9
	2	Limestone	2	17	29	12	9	6	10	2	28	40	3			1	159
	3	Dolomite			10						4	2					16
	4	Clayey shale		1								1				1	3
	5	Chalk										1				2	3
	6	Marl		1								3					4
	7	Clays and Loam	9	7	18	11	5	3	4	4	23	20	8		8	2	122
	8	Sand	1		11	10	6	5	2	2	7	14	7		1		66
	9	Sand and Gravel	3	2	9	9	6		1	1	10	3	2			1	47
	10	Decorative stones	2	11	35	15	11		7	3	19	2	2			4	111
	11	Crushed, Building & Dimension Stones	1		5	10	4	2			7	6	4				39
	12	Volcanic Cinders and Pumice			6	10					1	3					20
	13	Perlite			2	1		2			6	16	2		2	1	32
		<b>Sum.</b>	<b>20</b>	<b>82</b>	<b>185</b>	<b>103</b>	<b>73</b>	<b>55</b>	<b>82</b>	<b>82</b>	<b>231</b>	<b>255</b>	<b>58</b>	<b>3</b>	<b>37</b>	<b>21</b>	<b>1287</b>

MINERAL RESOURCES AUTHORITY OF MONGOLIA  
GEOLOGICAL OFFICE  
GEOLOGICAL INFORMATION CENTER

# MINERAL DEPOSITS AND OCCURRENCES OF MONGOLIA

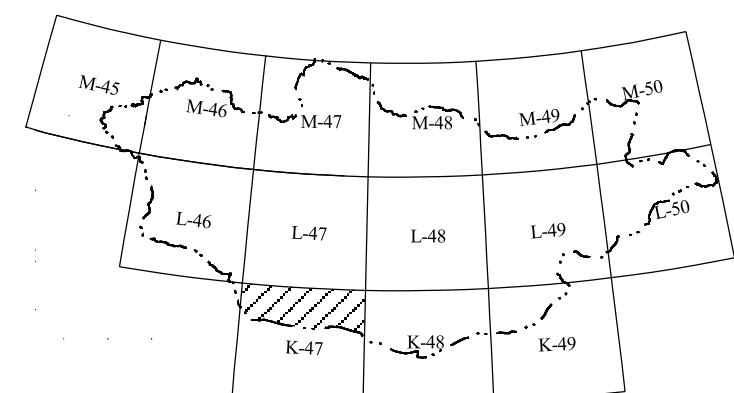
K-46, 47  
Scale 1:1 000 000



© ArcInfo, © ArcView

kilometres 10 0 10 20 30 40 50 kilometres

Projection: Transverse Mercator  
Spheroid: Kravosky



Mineral deposits and occurrences compiled from Open File Reports of the Geological Information Center of MRAM, by **Batgotoh Enkhtuya**  
Digital cartography by Bold Zuu, Geological Information Center, MRAM 2001.  
Geology from Geological Map of Mongolia at scale 1:1,000,000 compiled in 1999 by: G. Badarch, Ts. Makhbador, D. Orolmaa, P. Khosbayar, O. Tomurtogoo; Institute of Geology and Mineral Resources, Academy of Sciences of the Mongolia.  
Printed by Geological Information Center of MRAM in 2002. Ulaanbaatar

## LEGEND K-47

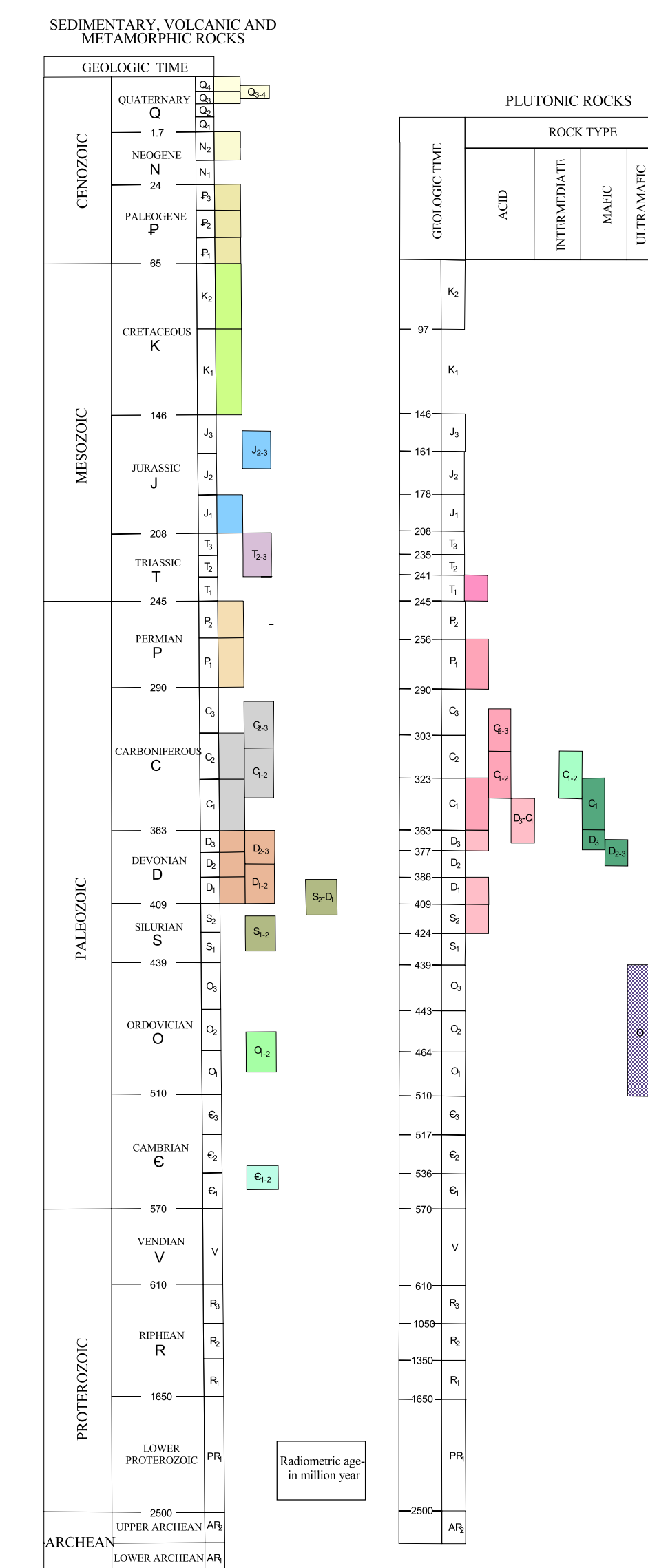
### A. Metals, Pyrophyllite, Gypsum, Graphite

Deposit type	Deposit	Occurrence
1. Deposits related to Subaerial Extrusive Rocks & Dyke Complexes		
1 Epitermal kaolinite-alunite type Au		
2 Clastic sediment-hosted Sb		
3 Volcanic-associated Sb		
4 Volcanogenic metasomattic pyrophyllite		
2. Deposits related to Subaerial Extrusive Rocks & Dyke Complexes		
2.1. Porphyry & Granitic Pluton-hosted Deposits		
5 Porphyry Cu-Mo (Ag, Re)		
6 Porphyry Cu(Au, Ag)		
2.2. Granitoid Related vein, stockwork, metasomattic deposits		
7 Granitoid related Au		
3. Sedimentary Mineral Deposits		
9 Sedimentary gypsum		
4. Deposits Related to Metamorphosed Rocks		
8 Quartz-(carbonate) vein Au		
10 Quartz-(carbonate) vein Au-Sb		
11 Metamorphic graphite		
5. Deposits Related to Surficies Process		
12 Placer Au		
13 Paleoplacer Au		

### B. Fuel Resources, Gemstones, Continental Lake Evaporates

Mineral Resources	Deposit	Occurrence
1. Fuel Resources		
1 Hard coal		
2. Gemstones		
2 Chalcodony		
2. Continental Lake Evaporates		
3 Salt or Halite		

## LEGEND FOR GEOLOGY



### GENETIC TYPES OF QUATERNARY DEPOSITS

a- alluvial d- talus-proluvial p- proluvial  
l- lake dp- proluvial

### VOLCANIC AND SUBVOLCANIC ROCKS

Mafic:  $\beta$  - basalt  
Intermediate:  $\alpha_1 \beta$  - andesite/basalt,  $\alpha$  - andesite  
Felsic:  $\alpha$  - dacite, rhyolite, quartz porphyry,  $\tau \alpha$  - trachydacite, trachyrhyolite

### PLUTONIC ROCKS AND COMPLEXES

Ultramafic:  $\sigma$  - dunite, peridotite, serpentinite melange  
Mafic:  $\nu$  - gabbro, gabbromiorite  
Felsic:  $\nu \delta$  - granodiorite, tonalite, plagiogranite.  
 $\gamma$  - granitic, leucogranitic,  $\gamma \delta$  - granitic-granosyenitic complex.

### OTHER SYMBOLS

Subvolcanic bodies  
 Faults (normal, strike-slip and of an undetermined genesis)  
 Geologic boundary  
 Garvams villages

**Metals & Industrial Minerals Deposits & Occurrences in the Sheet K-46, 47**  
*Compiled by Battogtohy Enkhtuya*

Number in the K-46, 47 sheet	Passport number in GIC	Deposit and occurrence name	Dep.	Occur.	Location						Major commodity	Minor commodity	Deposit type	Data source: Open File Report number in GIC, Mongolia
					Latitude			Longitude						
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1		Occurrence 1		Occur.	43	47	00	95	40	00	Sb	Au	Clastic sediment-hosted Sb	4496
2		Occurrence 2		Occur.	43	45	00	95	45	00	Sb	Cu	Clastic sediment-hosted Sb	4496
1		Occurrence 1		Occur.	43	21	00	96	20	00	Sb	Cu	Clastic sediment-hosted Sb	4496
2		Occurrence 2		Occur.	43	21	00	96	28	00	Sb		Clastic sediment-hosted Sb	4496
3	04181	Zangat		Occur.	43	54	00	97	51	00	Au	Ti, Mn, Co, Mo, Cu, Pb, Zn	Epithermal kaolinite-alunite type Au	5129
4		Zuun mod		Occur.	43	58	30	99	12	08	Mo, Cu	W, Nb, Li	Porphyry Cu-Mo	5246
5	04174	Ongon Ulaan Uul		Occur.	43	29	00	99	20	00	Au	Ag, Cu, Zn, Ti, Mn	Epithermal kaolinite-alunite type Au	5129
6		Ongon Ulaan Uul		Occur.	43	29	00	99	19	00	Au		Placer Au	5129
7	02272	Zostyn dund sair	Dep.		43	42	00	100	10	22	Au	Pt	Placer Au	5129
8	02273	Toromkhon		Occur.	43	46	00	100	19	00	Au	Pt	Granitoid related Au	1689, 1072
9		Toromkhon	Dep.***		43	44	00	100	20	00	Au		Paleoplacer Au	4404
10		Alag shand		Occur.	43	38	00	100	20	00	Au		Placer Au	5130
11	02271	Khuren sair		Occur.	43	43	00	100	29	00	Au		Placer Au	5130
12	04198	Boomyn Ulaan Ukhaa		Occur.	43	41	14	100	40	15	Au	Cr, Ni, Pt	Granitoid related Au	1072
13	02274	Tamgat		Occur.	43	41	00	100	41	00	Au	Pt	Paleoplacer Au	1683, 1072
14		Tamgat		Occur.	43	39	00	100	39	00	Au		Granitoid related Au	5130
15	04189	Khokh tolgoin bulag		Occur.	43	43	12	100	48	20	Au	Ag, As, Sb, Cu, Pb, Zn	Granitoid related Au	5130
16	02275	Devteer		Occur.	43	39	00	100	52	00	Au		Placer Au	5130
17		Khooloi I		Occur.	43	54	00	101	54	00	Gypsum		Sedimentary-exhalative gypsum	5129
18		Zargyn Khar Ovoo		Occur.	43	36	00	101	42	00	Cu		Porphyry Cu	3431
19	04178	Talyn Meltes		Occur.	42	59	00	96	34	00	Au	Ti, Mn, Cr, Ni, Co, Mo, Cu, Zn	Quartz-(carbonate) vein Au-Sb	1072, 1683
20	04179	Shar khuls I		Occur.	43	17	00	97	40	00	Au	Ti, Mn, Cr, Cu, Pb, Zn, Nb	Quartz-(carbonate) vein Au	5129

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
21		Shar khuls II		Occur.	43	17	00	97	41	00	Au	Ti, Mn, Cr, Cu, Pb, Zn	Quartz-(carbonate) vein Au	5129
22	04177	Dankhyn khudag		Occur.	42	57	15	97	30	00	Au	Ti, Mn, Cr, Cu, Co	Quartz-(carbonate) vein Au-Sb	5129
23	02284	Khatan-Sudalyn		Occur.	42	54	00	97	43	00	Au	Ti	Quartz-(carbonate) vein Au-Sb	5129
24	02281	Tsagaan Burgasny Bulag		Occur.	43	14	00	97	57	00	graphite		Metamorphic graphite	1259
25		Alag Uulyн kheseг		Occur.	43	05	00	100	05	00	Au	Al, As, Ba, Cu, Mo, Ni	Epithermal kaolinite-alunite type Au	5246
26		Tsagaan Del Uul		Occur.	43	10	00	100	40	20	Au	Ag, As, Sb, Hg, Cu, Pb, Zn	Epithermal kaolinite-alunite type Au	5246
27		Erdene	Dep.		43	06	00	101	43	00	Pyrophyllite		Volcanogenic metasomatic pyrophyllite	3431

Explanation: \*\*\*- Deposits in operation; \*\*- Deposits mined out, but there is small amount of reserves; \*- Deposits mined out; \*- Occurrences with small ancient openpits on surface.

## Mineral Deposits and Occurrences in the Sheet K-47

(Fuel Resources, Gemstones, Silica Resources, Continental Lake Evaporates, Mineral Pigments,  
Minerals and Rocks for Construction Uses)

1:200000 scale sheet	No.	Number in K-47	Number passport number	Deposit and Occurrence Name	Dep.	Occur.	Location						Mijor commodity	Minor commodity	Mineral deposit	Report number in GIC
							Latitude			Longitude						
							7	8	9	10	11	12				
<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>
<b>VI</b>	1	28		Khooloin nuur		Occur.	43	29	00	101	18	00	Salt or halite		Continental lake evaporates	1259
	2	29	868	Gurvan tes	Dep.***		43	24	00	101	35	00	Salt or halite		Continental lake evaporates	1544, 3431
<b>XI</b>	3	30		Khurshuut	Dep.		42	58	00	100	40	00	Chalcedony		Gemstone	4525
<b>XII</b>	4	31		Gurvan tes	Dep.***		43	18	00	101	32	00	Hard coal		Fuil resources	1952
	5	32	02294	Khukh davaany khudag		Occur.	43	15	00	101	36	00	Hard coal		Fuil resources	1259, 3151, 3431
	6	33	02296	Noyon I		Occur.	43	11	00	101	55	00	Hard coal		Fuil resources	1259, 3151
	7	34		Nariin sukhait	Dep.		43	00	00	101	14	00	Hard coal		Fuil resources	1952, 4613

Explanation: Dep.\*\*\*-Deposit is in operation

Passport No: 868-Deposit passport,  
02294-Occurrence passport

Numbers of Deposits and Occurrences are red in the "Distribution Map of Mineral Deposits and Occurrences in Mongolia" at the Scale of 1:1,000,000

MINERAL DEPOSITS AND OCCURRENCES OF MONGOLIA

K-48  
Scale 1:1 000 000

LEGEND  
K-48

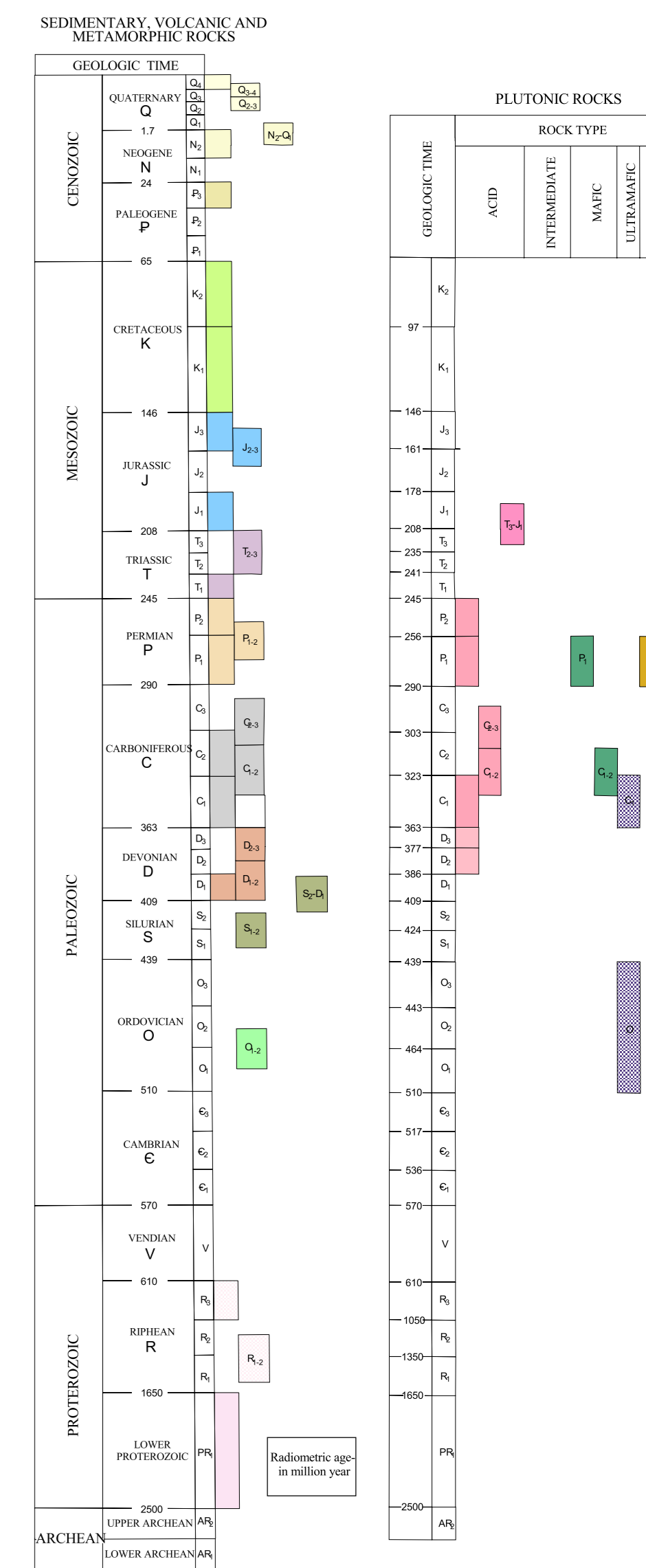
A. Metals, Asbestos, Fluorite, Alunite, Pyrophyllite,  
Gypsum, Magnesite

Deposit type	Deposit	Occurrence
<b>1. Deposits related to Mafic and Ultramafic Rocks</b>		
1 Gabbroic Cu-Ni-(PGE)		■
2 Serpentine-hosted asbestos		▣
<b>2. Deposits related to Marine Felsic-Mafic Extrusive Rocks</b>		
3 Epithermal kaolinite-alunite type Au		◆
4 Carbonated-hosted Sb(As, Au, Ag)		◇
5 Epithermal vein-replacement fluorite		◇
6 Barite veins		◇
7 Carbonated-hosted metasomatic polymetal Ag-Pb-Zn	◆	◇
8 Volcanogenic metasomatic alunite	◇	◇
9 Volcanogenic metasomatic pyrophyllite	◇	◇
<b>3. Deposits related to Subaerial Extrusive Rocks &amp; Dyke Complexes</b>		
<b>3.1. Pegmatite, Greisen &amp; Alkaline metasomatic Deposits</b>		
10 Be pegmatite	◆	◇
11 Ta-Nb-REE pegmatite	◆	◇
12 W-Sn greisen	◆	◇
13 Mirolitic & abyssal pegmatite	◆	◇
<b>3.2. Skarn Deposits</b>		
14 FeCu, Au, W, Sn skarn	◆	◇
<b>3.3. Porphyry &amp; Granitic Pluton-hosted Deposits</b>		
15 Porphyry Cu-Mo (Ag, Re)	◆	◇
16 Porphyry Cu(Au, Ag)	◆	◇
17 Porphyry Au-Cu (Mo, Ag)	◆	◇
<b>3.4. Granitoid Related vein, stockwork, metasomatic deposits</b>		
18 Granitoid related Au	◆	◇
19 Granitoid related Au-Ag-Cu	◆	◇
20 Vein/replacement Pb-Zn	◆	◇
21 Granitoid related fluorite veins	◆	◇
<b>4. Sedimentary Mineral Deposits</b>		
22 Sedimentary gypsum	▣	▣
23 Sedimentary Mn (Fe)	▣	▣
<b>9. Deposits Related to Surficies Process</b>		
24 Placer Au	◆	◇
25 Placer Sn(W)	◆	◇
26 Weathering crust Ni	◆	◇
27 Weathering crust magnesite	◆	◇

B. Fuel Resources, Gemstones, Continental Lake Evaporates,  
Mineral Pigments, Sulfur Resources, Minerals and Rocks  
for Construction uses

Mineral Resources	Deposit	Occurrence
<b>1. Fuel Resources</b>		
1 Hard coal	■	■
2 Oil shale	■	■
<b>2. Gemstones</b>		
3 Chalcedony, agate, serpentinite, opalized wood, coloured marble, microcalcite	▣	▣
<b>3. Continental Lake Evaporates</b>		
4 Salt or Halite	▣	▣
<b>4. Mineral Pigments</b>		
5 Pigments, iron oxide	▣	▣
<b>5. Minerals and Rocks for Construction uses</b>		
6 Clays	▣	▣
7 Sand	▣	▣
8 Limestone	▣	▣
9 Perlite	▣	▣
10 Volcanic cinders and Pumice	▣	▣
11 Structural stone	▣	▣

LEGEND FOR GEOLOGY



**GENETIC TYPES OF QUATERNARY DEPOSITS**

a- alluvial d- talus  
l- lake p- proluvial  
dp- proluvial-talus  
v- eolian

**VOLCANIC AND SUBVOLCANIC ROCKS**

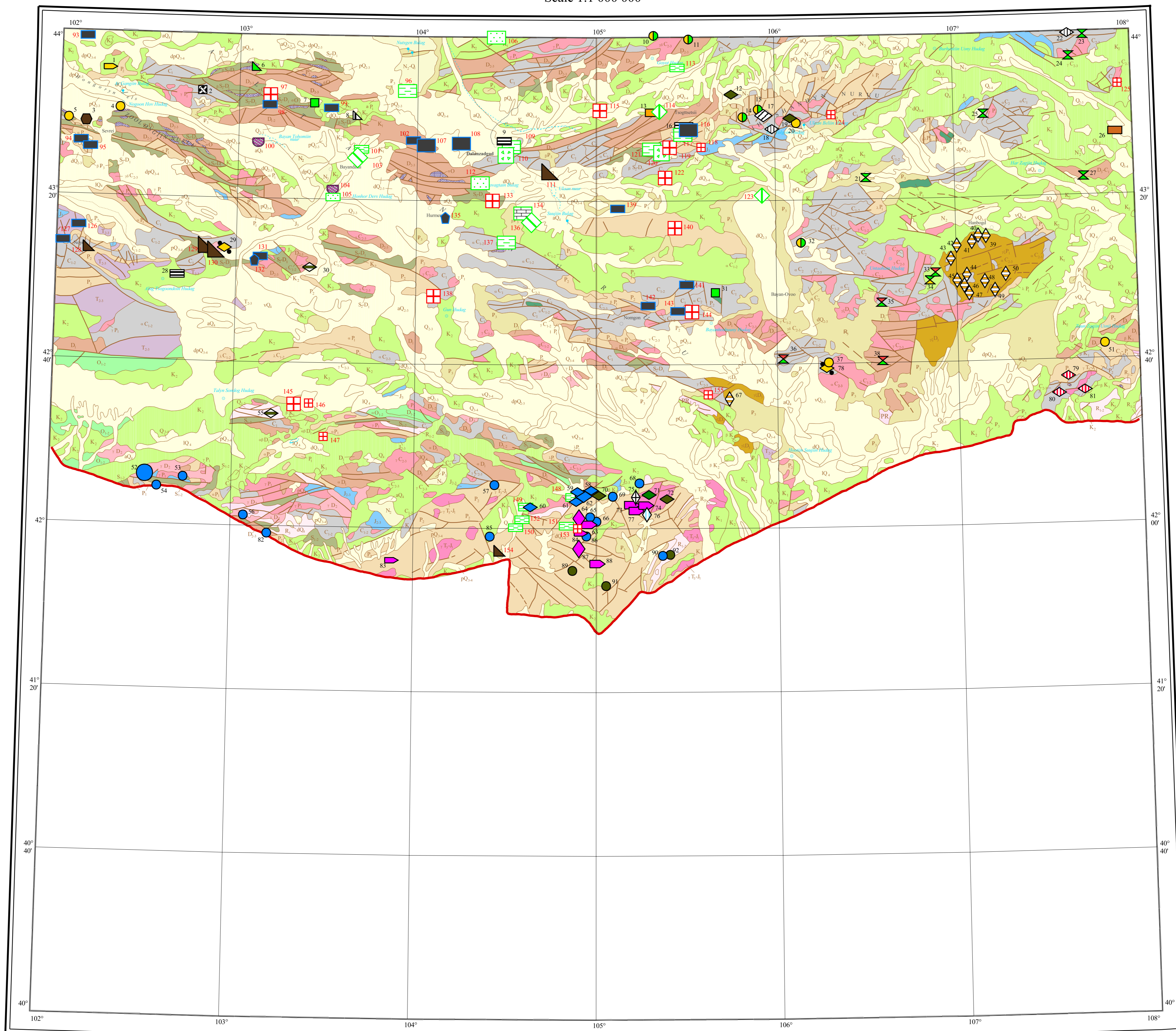
Mafic: β - basalt  
Intermediate: αβ - andesitebasalt, α - andesite  
Felsic: λ - dacite

**PLUTONIC ROCKS AND COMPLEXES**

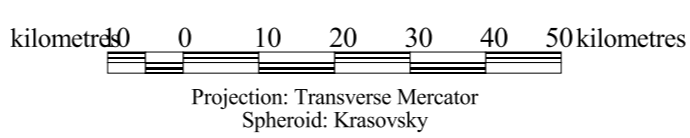
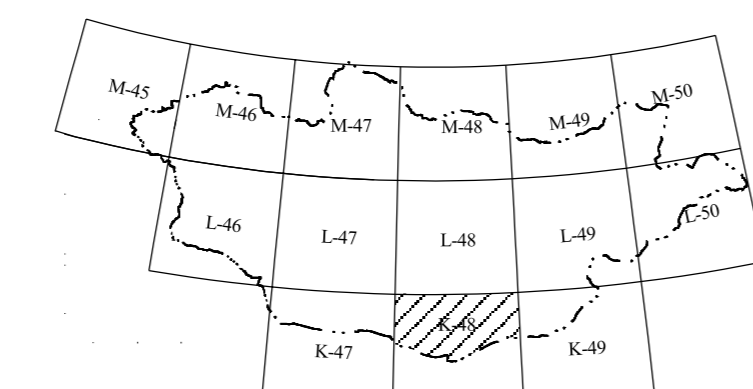
Ultramafic: σ - dunite, peridotite, serpentinite melange  
Mafic: υ - gabbro, gabbronorite  
Felsic: γδ - granodiorite, tonalite, plagiogranite  
γ - granic, leucogranite, γε - granosyenite, quartz syenite, subalkaline granite,  
Felsic: εγ - alkaline granite

**OTHER SYMBOLS**

Subvolcanic bodies  
Faults (normal, strike-slip and of an undetermined genesis)  
Geologic boundary  
Facies boundary  
Dashed line Provincial capital  
Villages  
Lakes  
Rivers  
Major road



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Mineral deposits and occurrences compiled from Open File Reports of the Geological Information Center (of MRAM), by **Batgotoh Enkhuya**.  
Digital cartography by B.Zul, Geological Information Center, MRAM, 2001.  
Geology from Geological Map of Mongolia at scale 1:1 000 000 compiled in 1999 by: G. Badarch, Ts. Mahbadar, D. Orolmaa, O. Tomurtogoo, P. Hoshayar; Institute of Geology and Mineral Resources, Academy of Sciences of the Mongolia.  
Printed by Geological Information Center of MRAM in 2002. Ulaanbaatar.



**Metals & Industrial Minerals Deposits & Occurrences in the Sheet K-48**  
*Compiled by Battogtohy Enkhtuya*

Number in the K-48 sheet	Passport number in GIC	Deposit and occurrence name	Dep.	Occur.	Location						Major commodity	Minor commodity	Deposit type	Data source: Open File Report number in GIC, Mongolia
					Latitude			Longitude						
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1		Khongor		Occur.	43	51	00	102	16	00	Au		Placer Au	3912
2	03309	Khavtsal		Occur.	43	46	00	102	47	00	Asbestos		Serpentine-hosted asbestos	79
3	00750	Uzuur Cun Khudag		Occur.	43	37	50	102	8	20	Fe		Fe skarn	3912, 3431
4	04197	Nomgon		Occur.	43	41	30	102	19	35	Au	Ag, Cu, Ni, ЦАБ, Cr	Granitoid related Au	5130
5	04196	Sevrei		Occur.	43	38	40	102	2	24	Au	Ag, Cu, Ni, ЦАБ, Cr	Granitoid related Au	5130
6	01779	Baruunsaihan		Occur.	43	52	00	103	5	00	Ni, Co	Cu	Weathering crust Ni-Co	3912
7	01778	Zulegt		Occur.	43	43	25	103	25	00	Ni, Cu		Gabbroic Cu-Ni-(PGE)	3912
8	03308	Dundsaihan		Occur.	43	40	40	103	38	50	Magnesite		Weathering crust magnesite	3912
9		Dalanjadgad		Occur.	43	34	00	104	28	00	Gypsum		Sedimentary-exhalative gypsum	1260
10	01776	Khatsar		Occur.	44	0	00	105	19	00	Au	Cu, Mo, Ag	Granitoid related Au-Ag-Cu	2724
11		Nergui		Occur.	43	59	05	105	30	55	Au	Cu	Granitoid related Au-Ag-Cu	2724
12	00805	Uizen Khudag		Occur.	43	45	50	105	44	45	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	653, 2724
13	05610	Tsetsger shand		Occur.	43	41	00	105	19	17	Mn	Mn	Sedimentary Mn	1587, 3740
14	01775	Shivee khudag		Occur.	43	40	20	105	49	00	Cu, Au	Mo, Ag	Granitoid related Au-Ag-Cu	642, 1724, 3695
15		Nergui		Occur.	43	42	00	105	54	00	Au		Granitoid related Au-Ag-Cu	1724
16		Tavantolgoi	Dep.		43	37	30	105	27	45	Gypsum		Sedimentary gypsum	1836, 3578, 3596
17		Ikh-Shanhai	Dep.		43	40	30	105	56	00	Pyrophyllite		Volcanogenic-metasomatitic pyrophyllite	1938
18		Budagt		Occur.	43	37	20	105	58	20	Alunite	Cu	Volcanogenic-metasomatitic alunite	3319, 3695
19	03315	Gashuun Khudag		Occur.	43	39	33	106	5	17	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	642, 653
20		Nergui		Occur.	43	39	30	106	6	15	Au	Cu, Ag	Granitoid related Au-Ag-Cu	2648
21		Zaraagiin		Occur.	43	25	00	106	30	00	Cu	Pb, Zn	Porphyry Cu	2724, 3319, 3695
22	01780	Shuteen Khan Bogd		Occur.	43	59	30	107	38	30	Alunite	Au, Ag	Volcanogenic-metasomatitic alunite	3319
23	01772	Shuteen Khar Tolgoi		Occur.	43	59	00	107	44	00	Cu	Mo	Porphyry Cu	3480, 3615, 4957

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
24	01773	Shuteen Khushuu		Occur.	43	54	00	107	39	00	Cu	Zn, Pb	Porphyry Cu	3615, 3695
25	04327	Tsokhiotiin group		Occur.	43	40	00	107	10	00	Cu	Zn, Ag	Porphyry Cu	2724, 3319, 4877
26	03742	Amt khudag		Occur.	43	35	10	107	53	40	Mn		Sedimentary Mn	2724
27	04329	Alagbayan		Occur.	43	24	30	107	43	00	Cu		Porphyry Cu	2724, 3319, 4877
28		Nergui		Occur.	43	1	00	102	40	00	Gypsum		Sedimentary gypsum	3431
29		Uurt Khairkhan		Occur.	43	7	30	102	55	53	Au	Ag, As, Sb, Hg, Cu, Pb	Epithermal kaolinite-alunite type Au	4877
30		Nergui		Occur.	43	3	00	103	24	30	Barite		Barite veins	1260
31	04328	Yamaat		Occur.	42	57	30	105	39	45	Cu		Gabbroic Cu-Ni-(PGE)	4877
32	01771	Gashuun Khudag		Occur.	43	9	30	106	8	00	Cu	Al	Granitoid related Au-Ag-Cu	3695
33	01770	Bor ovoo		Occur.	43	1	40	106	52	30	Cu-Mo		Porphyry Cu-Mo	1371
34	04235	Oyut tolgoi		Occur.	43	0	10	106	51	8	Cu	Ag, Au, Mo	Porphyry Au-Cu	4877
35	04237	Yamaat		Occur.	42	54	35	106	34	49	Cu	Au, Ag, Mo	Porphyry Cu-Mo	5163
36	04238	Morgotsog		Occur.	42	41	10	106	1	45	Cu	Au, Pb, Mo, Ag	Porphyry Cu-Mo	5163
37	04233	Alag tolgoi		Occur.	42	40	20	106	16	50	Au	Cu, Ag	Granitoid related Au	5163
38	04236	Khatsavch		Occur.	42	40	29	106	35	00	Cu	Mo, Ag, Au	Porphyry Cu-Mo	5163
39		Hoit		Occur.	43	10	10	107	10	00	Ta, Nb, TR		Ta-Nb-(REE) pegmatite	1956, 4752
40		Zamyn		Occur.	43	10	40	107	7	00	Ta, Nb, TR		Ta-Nb-(REE) pegmatite	1956, 4752
41		Khiidiin		Occur.	43	8	50	107	5	00	Ta, Nb, TR		Ta-Nb-(REE) pegmatite	1956, 4752
42		Khondiin		Occur.	43	7	50	107	0	00	Ta, Nb, TR		Ta-Nb-(REE) pegmatite	1956, 4752
43		Argal		Occur.	45	5	00	106	57	30	Ta, Nb, TR		Ta-Nb-(REE) pegmatite	1956, 4752
44		Lageriin		Occur.	43	0	40	107	2	50	Ta, Nb, TR		Ta-Nb-(REE) pegmatite	1956, 4752
45		Baruun		Occur.	42	59	20	107	0	00	Ta, Nb, TR		Ta-Nb-(REE) pegmatite	1956, 4752
46		Armstrong		Occur.	42	57	50	107	2	10	Ta, Nb, TR		Ta-Nb-(REE) pegmatite	1956, 4752
47		Omnot		Occur.	42	57	00	107	3	30	Ta, Nb, TR		Ta-Nb-(REE) pegmatite	1956, 4752
48		Toviin		Occur.	42	59	00	107	8	40	Ta, Nb, TR		Ta-Nb-(REE) pegmatite	1956, 4752
49		Arfvedsonit		Occur.	42	27	00	107	12	40	Ta, Nb, TR		Ta-Nb-(REE) pegmatite	1956, 4752
50		Zuun-Omnod		Occur.	43	0	45	107	16	00	Ta, Nb, TR		Ta-Nb-(REE) pegmatite	1956, 4752
51		Atsat huren tolgoi		Occur.	42	43	28	107	48	15	Au	Cu, Ag, Pb, Zn, Sb	Granitoid related Au	5168
52	01769	Biluut	Dep.		42	12	03	102	31	15	Pb	Ag	Granitoid related vein/replacement Pb-Zn	641, 810

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
53	01768	Ikh-Khongor		Occur.	42	11	40	102	44	00	Pb		Granitoid related vein/replacement Pb-Zn	641
54		Nergui		Occur.	42	9	16	102	35	40	Pb		Granitoid related vein/replacement Pb-Zn	641
55	03325	Elgen Uul		Occur.	42	27	00	103	12	00	Barite		Barite veins	1260
56	04614	Tsagaan Uul		Occur.	42	2	21	103	3	58	Pb		Granitoid related vein/replacement Pb-Zn	646
57	01762	Nomgon khashaat uul		Occur.	42	10	18	104	26	23	Pb	Cu	Granitoid related vein/replacement Pb-Zn	646
58	01763	Tomortolgoi		Occur.	42	8	10	104	57	20	Pb		Carbonate-hosted Pb-Zn	810
59	01767	Khaltar		Occur.	42	8	30	104	54	00	Pb		Carbonate-hosted Pb-Zn	562, 810
60	01765	Zurkhen		Occur.	42	6	10	104	53	00	Pb	Fe	Carbonate-hosted Pb-Zn	810
61	01761	Mongon		Occur.	42	5	00	104	37	00	Pb		Carbonate-hosted Pb-Zn	810
62	05300	Khar tolgoi	Dep.		42	8	00	104	55	00	Pb	Sb, As, Ag	Carbonate-hosted metasomatic Pb-Zn	562
63	01764	Khar morit	Dep.		42	1	10	104	54	00	Sn	W	Placer Sn	805
64	01764	Khar morit I	Dep.		42	1	00	104	54	00	Sn	W, CaF <sub>2</sub>	W-Sn greisen	1115, 2767, 4643
65	05176	Nergui		Occur.	42	1	20	104	54	57	Pb		Granitoid related vein/replacement Pb-Zn	1928
66	01766	Khashaan		Occur.	42	1	05	104	56	4	Pb	Cu	Granitoid related vein/replacement Pb-Zn	805, 4643
67		Khar khad		Occur.	42	31	20	105	43	30	Zr, Nb, Ta		Ta-Nb-(REE) pegmatite	1956,4752
68		Khalsan Uul		Occur.	42	11	00	105	14	00	Pb	Fe	Granitoid related vein/replacement Pb-Zn	562, 810
69	01759	Derengiin		Occur.	42	8	00	105	5	00	Pb	Ba	Granitoid related vein/replacement Pb-Zn	810
70	03314	Derengiin Us		Occur.	42	8	10	105	1	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	810, 1115
71	03312	Khalzan Uul		Occur.	42	8	20	105	17	10	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	648, 810, 1115
72	03313	Elegiin bulag		Occur.	42	7	10	105	22	30	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	810
73	123	Nariin bulag	Dep.		42	6	00	105	11	00	Sn		Placer Sn	1115
74	124	Saran bulag	Dep.		42	6	00	105	12	30	Sn		Placer Sn	1115
75	03312	Khalzan Uul		Occur.	42	7	00	105	13	00	Crystal	Sn	Miarolitic and abyssal pegmatite	562, 810
76	03306	Togoo bulag		Occur.	42	4	00	105	15	30	Be		Be pegmatite	810
77		Khalzan Uul	Dep.		42	4	00	105	12	00	Sn		Placer Sn	562, 810, 648
78	04234	Suudert		Occur.	42	39	00	106	16	20	Au	Cu, W, Ag	Epithermal kaolinite-alunite type Au	5163
79	04246	Zuun Togoo Uul		Occur.	42	35	40	107	35	40	Sb	Ni, Cr, As, Au, W	Carbonate-hosted Sb(As, Au, Ag)	4877, 5168
80	04413	Baruun Togoo Uul		Occur.	42	31	40	107	32	50	Sb	Ni, As, Cr	Carbonate-hosted Sb(As, Au, Ag)	4877, 5168
81	04412	Toliin Huren Uul		Occur.	42	32	15	107	41	00	Sb	Ni, Cr	Carbonate-hosted Sb(As, Au, Ag)	4877, 5168

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
82		Gurvan shoron uul		Occur.	41	58	16	103	11	40	Pb		Granitoid related vein/replacement Pb-Zn	646
83		Nergui		Occur.	41	52	00	103	52	30	Sn		Placer Sn	646
84		Khar Ovoo		Occur.	41	59	00	104	55	00	Sn		Placer Sn	805, 4643
85	01758	Darkhan Gur		Occur.	41	58	00	104	25	00	Pb		Granitoid related vein/replacement Pb-Zn	810
86		Nergui		Occur.	41	58	00	104	56	15	Pb		Granitoid related vein/replacement Pb-Zn	1928
87	01764	Khar Morit	Dep.		41	55	00	104	54	00	Sn	Pb, Zn, Cu, CaF <sub>2</sub>	W-Sn greisen	1928, 4643
88		Khar-Ovoo	Dep.		41	51	30	104	59	30	Sn		Placer Sn	1115, 1928
89	03311	Khahaingunkhudag		Occur.	41	50	00	104	52	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	1110
90	01757	Selem Uul		Occur.	41	53	10	105	21	30	Pb		Granitoid related vein/replacement Pb-Zn	805
91		Suhaityngol		Occur.	41	46	00	105	3	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	1110
92	03534	Dalan Uul		Occur.	41	53	00	105	21	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	810

Explanation: \*\*\*- Deposits in operation; \*\*- Deposits mined out, but there is small amount of reserves; \*- Deposits mined out; \*- Occurrences with small ancient openpits on surface.

## Mineral Deposits and Occurrences in the Sheet K-48

(Fuel Resources, Gemstone, Continental Lake Evaporates, Mineral Pigments,  
Minerals and for Construction Uses.)

1:200000 scale sheet	No.	Num- ber in K-48	Number passport (GIC)	Name	Dep.	Occur.	Lacotion						Major commodity	Minor commodity	Mineral deposit	Report number in GIC
							Latitude			Longitude						
							7	8	9	10	11	12				
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
I	1	93	02301	Khoedoeo tsagaan		Occur	43	58	33	102	07	55	Hard coal		Fuel Resources	3823
	2	94	02304	Khuruin khar uul		Occur	43	33	20	102	06	50	Hard coal		Fuel Resources	3431
	3	95	02305	Khargana khudag		Occur	43	31	50	102	10	00	Hard coal		Fuel Resources	3431
II	4	96	764	Ulaan eregt	Dep.***		43	46	40	103	56	15	Clayeys		Mineral and Rocks for Constuction uses.	3215
	5	97	03305	Bayan dalai	Dep.		43	45	00	103	10	00	Serpentine		Gemstones	171,1863
	6	98		Ilrel		Occur	43	43	00	103	10	12	Hard coal		Fuel Resources	3912
	7	99		Ilrel		Occur	43	42	18	103	30	30	Hard coal		Fuel Resources	3912
	8	100		Ilrel		Occur *	43	33	20	103	06	20	Salt or Halite		Continental lake Evaporates	3912
	9	101		Ilrel		Occur	43	32	10	103	40	55	Clay		Mineral and Rocks for Constuction uses.	3912
	10	102		Ilrel		Occur	43	34	30	103	58	50	Hard coal		Fuel Resources	3912
	11	103	682	Khurmen-Uul	Dep.***		43	30	00	103	40	00	Volcanic Cinders		Mineral and Rocks for Constuction uses.	3471
	12	104		Ilrel		Occur *	43	21	20	103	31	45	Salt or Halite		Continental lake Evaporates	3912
	13	105		Ilrel		Occur	43	21	50	103	31	45	Sand		Mineral and Rocks for Constuction uses.	3912
III	14	106	681	Duruljiin khudag	Dep.		44	00	00	104	26	00	Sand		Mineral and Rocks for Constuction uses.	4566
	15	107	2042	Jargalant	Dep.		43	33	40	104	02	30	Hard coal		Fuel Resources	2259, 2561
	16	108		Sueujiin khudag	Dep.		43	34	00	104	14	30	Hard coal		Fuel Resources	89
	17	109		Dalanzadgad	Dep.		43	32	30	104	30	00	Clay		Mineral and Rocks for Constuction uses.	1688
	18	110		Khuren	Dep.		43	31	14	104	29	30	Structural stone		Mineral and Rocks for Constuction uses.	2623

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
III	19	111	863	Godiluin bulag	Dep.		43	26	30	104	43	30	Iron oxide Pigments		Mineral Pigments	2942
	20	112		Khavchil urt	Dep.		43	24	10	104	20	47	Sand		Mineral and Rocks for Constuction uses.	1688, 4566
IV	21	113		Ilrel		Occur	43	52	35	105	27	00	Clay		Mineral and Rocks for Constuction uses.	1587
	22	114		Baruun khudag		Occur	43	41	30	105	20	20	Perlite		Mineral and Rocks for Constuction uses.	1587
	23	115		Daagan del	Dep.		43	42	00	105	00	00	Chalcedony and Agat		Gemsones	3457
	24	116		Tavan tolgoi	Dep.***		43	37	00	105	28	30	Hard coal		Fuel Resources	89, 840, 3543, 3726
	25	117	779	Tavan tolgoi	Dep.		43	37	00	105	28	00	Clay (Fire clay)		Mineral and Rocks for Constuction uses.	1854
	26	118		Tavan tolgoi	Dep.		43	33	00	105	35	00	Opalized wood		Gemsones	3457,3740
	27	119		Tavan tolgoi	Dep.		43	32	00	105	23	00	Chalcedony		Gemsones	3457,3740
	28	120		Rashaant	Dep.		43	32	00	105	21	00	Structural stone		Mineral and Rocks for Constuction uses.	4250
	29	121	680	Rashaant khudag	Dep.		43	32	30	105	19	52	Clay		Mineral and Rocks for Constuction uses.	3740
	30	122		Khoit khoshueu us khudag	Dep.		43	25	30	105	23	00	Chalcedony and Agat		Gemsones	3740
	31	123		Tsagaan-Ovoo			Occur	43	21	00	105	55	30	Perlite		Mineral and Rocks for Constuction uses.
V	32	124		Ilrel		Occur	43	40	40	106	18	35	Chalcedony and Agat		Gemsones	2724
VI	33	125		Khar argalant		Occur	43	47	00	107	55	00	Opalized wood		Gemsones	3457,2724
VII	34	126		Ilrel		Occur	43	12	30	102	07	00	Hard coal		Fuel resourses	342
	35	127		Noyon sum		Occur	43	08	30	102	01	30	Hard coal		Fuel resourses	1260
	36	128		Ilrel		Occur	43	06	40	102	10	00	Iron oxide Pigments		Mineral Pigmerns	342
	37	129	856	Ulaan del	Dep.		43	07	30	102	49	30	Iron oxide Pigments		Mineral Pigmerns	2942
	38	130		Khuurai tsahiur	Dep.		43	06	40	102	52	00	Iron oxide Pigments		Mineral Pigmerns	2942
VIII	39	131	02313	Suramtai		Occur	43	05	30	103	07	30	Hard coal		Fuel resourses	79
	40	132	02312	Ilrel		Occur	43	05	00	103	06	00	Oil shale		Fuel resourses	79
IX	41	133		Khutsuin bulag	Dep.		43	20	00	104	25	00	Microcalcite		Gemstones	1938
	42	134		Tevsh-Uul	Dep.***		43	16	56	104	35	15	Limestone		Mineral and Rocks for Constuction uses.	1688

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
IX	43	135	02314	Khavhastai		Occur	43	15	30	104	09	30	Oil shale		Fuel resources	382
	44	136	0370	Khutsuin bulag	Dep.		43	15	00	104	38	00	Volcanic Cinders		Mineral and Rocks for Constuction uses.	2143
	45	137		Bor teeg	Dep***		43	10	00	104	30	00	Clay		Mineral and Rocks for Constuction uses.	4271
	46	138	00806	Davsangiin khonhor	Dep.		42	56	20	104	05	30	Opalized wood		Gemstones	3925
X	47	139	03567	Nalhi		Occur	43	18	18	105	07	28	Hard coal		Fuel resources	3740
	48	140		Snine us khudag	Dep.		43	13	29	105	25	58	Chalcedony and Agat		Gemstones	3740
	49	141	02315	Bulag sueuj		Occur	42	59	30	105	30	00	Hard coal		Fuel resources	89
	50	142	02316	Khachig uul		Occur	42	54	30	105	17	00	Hard coal		Fuel resources	382
	51	143		Tsagaan-tolgoi		Occur	42	53	00	105	27	00	Hard coal		Fuel resources	3841
	52	144	03304	Oevgon uul	Dep.		42	53	00	105	32	00	Chalcedony and Agat		Gemstones	3925
XIV	53	145		Ulaan toirom	Dep.		42	30	00	103	20	00	Opalized wood		Gemstones	3457
	54	146		Tsahiurt dalan		Occur	42	30	00	103	25	00	Chalcedony and agat		Gemstones	3457
	55	147		Tsagaan khairhan		Occur	42	22	00	103	30	00	Chalcedony and agat		Gemstones	3457
XV	56	148	05301	Duineg uul		Occur	42	07	30	104	52	00	Clay		Mineral and Rocks for Constuction uses.	4343
	57	149	05240	Khoit uul		Occur	42	05	20	104	36	45	Clay		Mineral and Rocks for Constuction uses.	4643
	58	150	05299	Sevhueul		Occur	42	00	25	104	33	30	Clay		Mineral and Rocks for Constuction uses.	4643
	59	151	05238	Chuluun khoroot		Occur	42	00	40	104	50	00	Clay		Mineral and Rocks for Constuction uses.	4643
	60	152	05239	Shar tolgod		Occur	42	02	00	104	35	30	Clay		Mineral and Rocks for Constuction uses.	4643
	61	153		Khar morit		Occur	42	00	00	104	54	00	Stone, Decorative		Gemstones	2008
	62	154	03323	Onch khairhan		Occur	41	54	00	104	27	30	Iron oxide Pigments		Mineral Pigmenrs	810
XVI	63	155	03528	Khar uul		Occur	42	32	45	105	36	35	Chalcedony		Gemstones	4877

Explanation: Deposit\*\*\*-Deposit is in operation

Occur\*-Occurrence without estimated Reserves, but is exploted from the Surface.

Passport No: 680-Deposit passport,

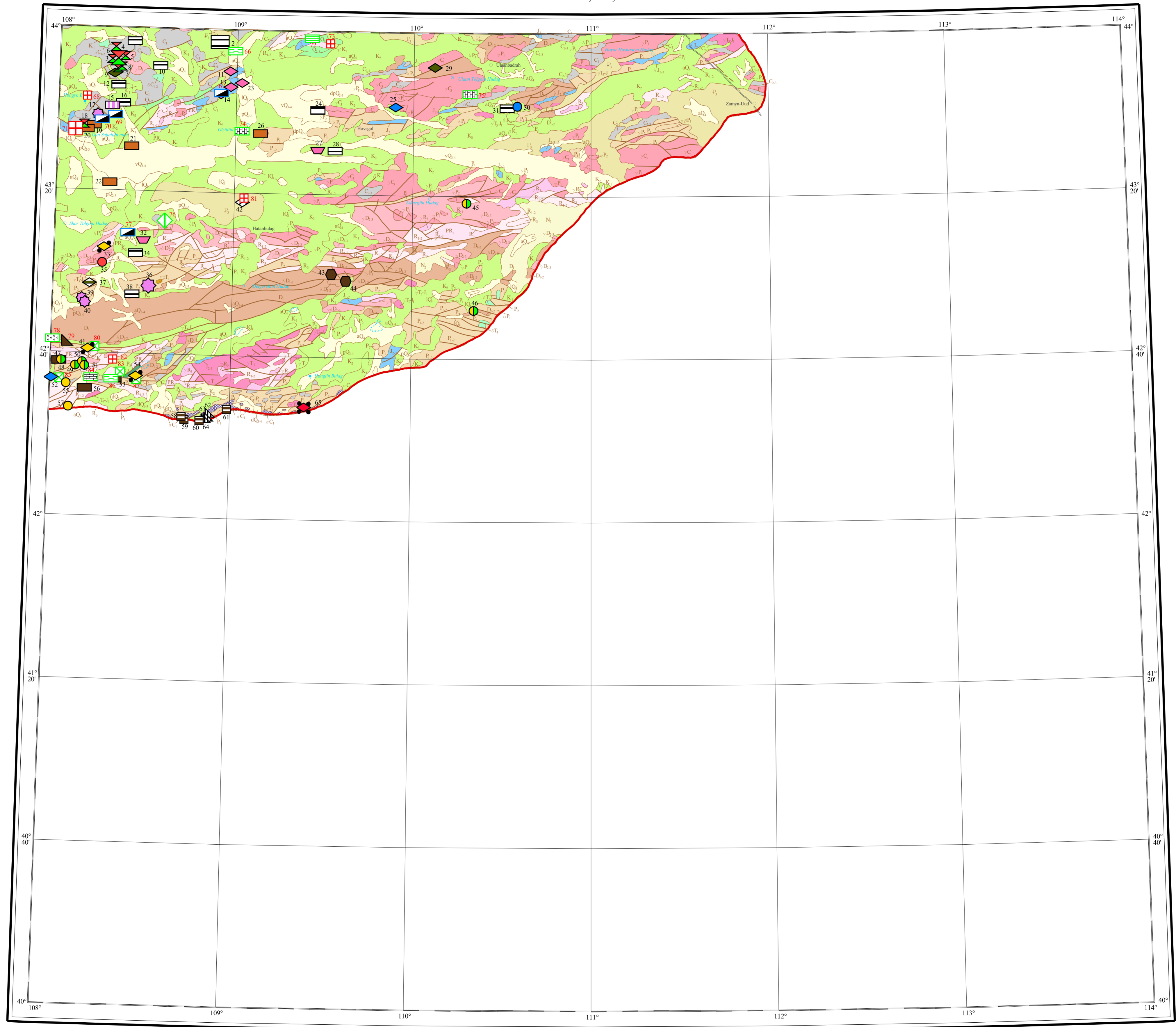
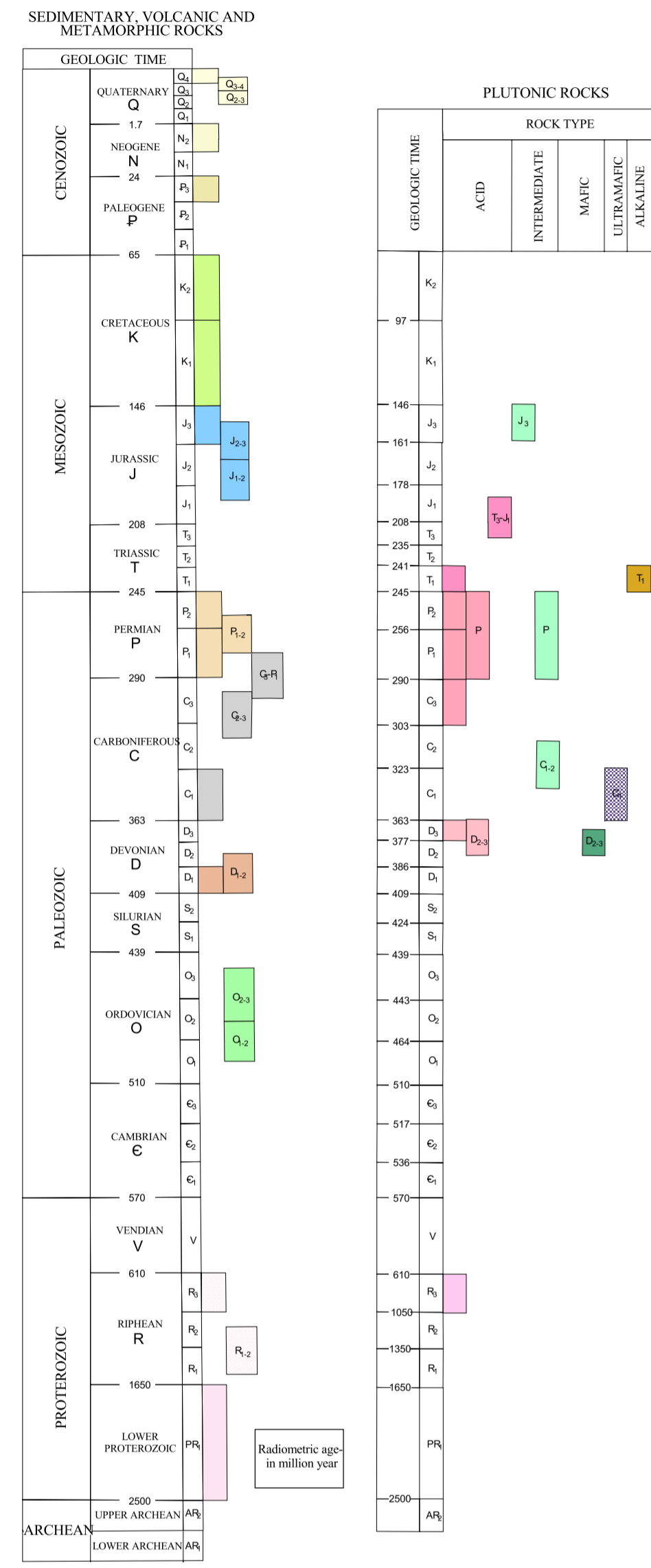
03323-Occurrence passport

Numbers of Deposits and Occurrences are red in the "Distribution Map of Mineral Deposits and Occurences in Mongolia at the Scale 1:1,000,000

# MINERAL RESOURCES MAP OF MONGOLIA

K-49  
Scale 1:1,000,000

## LEGEND FOR GEOLOGY



## LEGEND

K-49

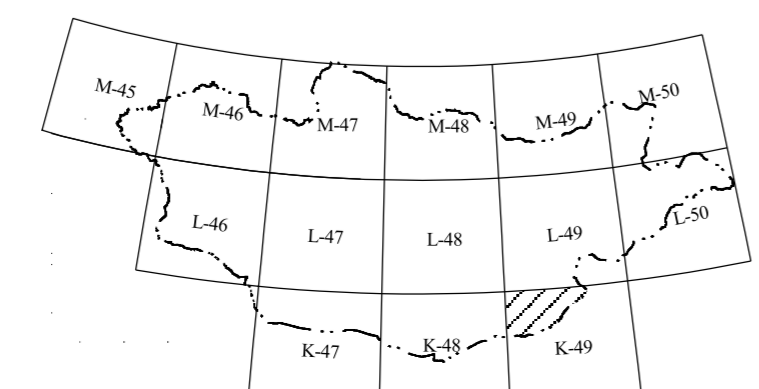
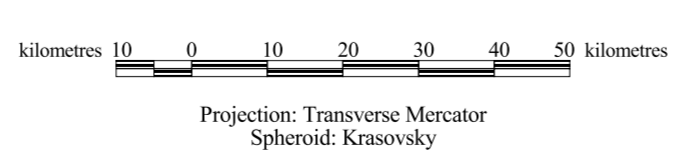
### A. Metals, Fluorspar, Uran, Pyrophyllite, Gypsum, Barium Minerals and Strontium Minerals

Deposit type	Deposit	Occurrence
1. Deposits related to Mafic and Ultramafic Rocks		
1	Magmatic podiform Cr	■
2. Deposits related to Subaerial Extrusive Rocks and Dyke Complexes		
2	Epithermal adularia-sericite type Au	■
3	Silica-carbonate (listvenite) Hg	■
4	Epithermal vein/replacement fluorite	■
5	Barite veins	■
6	Carbonate-hosted metasomatic polymetall Ag-Pb-Zn	■
7	Vein/replacement Pb-Zn	■
8	Volcanic-hosted U	■
9	Volcanogenic metasomatic pyrophyllite	■
3. Stratiform and Stratabound Deposits in sedimentary rocks		
10	Sandstone - hosted U	■
4. Deposits related to Calc-Alkaline and Alkaline Granitic Intrusions		
4.1. Skarn deposits		
11	Fe(Cu,Au,W,Sn) skarn	■
4.2. Porphyry and Granitic Pluton-hosted Deposits		
12	Porphyry Cu - Mo (Ag, Re)	■
4.3. Granitoid Related vein, stockwork, metasomitic deposits		
13	Granitoid related Au	■
14	Granitoid related Au-Ag-Cu	■
15	Mo(W) veins and stockworks	■
5. Deposits Related to Alkaline Magmatic Rocks		
16	REE carbonatite	■
6. Sedimentary Mineral Deposits		
17	Sedimentary Fe (Mn)	■
18	Sedimentary Mn (Fe)	■
19	Sedimentary gypsum	■
20	Sedimentary celestite	■
7. Deposits related to Surficial Process		
21	Weathering crust magnesite	■

### B. Fuel Resources, Gemstones, Mineral Pigments, Minerals and Rocks for Construction Uses

Mineral Resources	Mineral Deposit	Occurrence
1. Fuel Resources		
1	Brown Coal	■
2. Gemstones		
2	Chalcedony + Agate, Opalized Wood, Agalmatolite	■
3. Mineral Pigments		
3	Iron Oxide Pigments	■
4. Minerals and Rocks for Construction uses: Aggregates, Lightweight Aggregates, Building stones, Decorative stones, Cement Row Materials and others		
4	Clays and loam	■
5	Sand and gravel	■
6	Clayey shale	■
7	Limestone	■
8	Chalk	■
9	Perlite	■
10	Decorative Stones	■

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Mineral deposits and occurrences compiled from Open File Reports of the Geological Information Center of MRAM, by **Tumengin Ganbaatar**

Digital cartography by Myangaagin Eerdenetsseg: Geological Information Center, MRAM 2001.

Geology from Geological Map of Mongolia at scale 1:1,000,000 compiled in 1999 by: G. Badarch, Ts. Makhbador, D. Orolmaa, P. Khosbayar, O. Tomurtogoo: Institute of Geology and Mineral Resources, Academy of Sciences of the Mongolia.

Printed by Geological Information Center of MRAM in 2001. Ulaanbaatar



**Metals & Industrial Minerals Deposits & Occurrences in the Sheet K-49**  
*Compiled by Tumengiin Ganbaatar*

Number in the K-49 sheet	Passport number in GIC	Deposit and occurrence name	Dep.	Occur.	Location						Major commodity	Minor commodity	Deposit type	Data source: Open File Report number in GIC, Mongolia
					Latitude			Longitude						
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1		Beliger khudag		Occur.	43	57	0	108	25	0	gypsum		Sedimentary gypsum	1625, 4443
2		Tsagaan tsavyn khudag	Dep.		43	57	0	108	54	0	gypsum		Sedimentary gypsum	1888, 4443
3	01792	Baruun		Occur.	43	52	20	108	18	0	Cu, Mo		Porphyry Cu-Mo	1723, 2503
4	04387	Unnamed occurrence		Occur.	43	55	20	108	19	0	Cu, Mo	Au, Ag	Porphyry Cu-Mo	2347
5		Khoomor khudag		Occur.	43	53	0	108	22	10	Cu, Mo		Porphyry Cu-Mo	1667, 1776, 2583
6	001	Tsagaan suvraga	Dep.		43	52	20	108	20	0	Cu, Mo		Porphyry Cu-Mo	2772, 2724, 4443
7	01796	Olzii ovoo		Occur.	43	50	0	108	20	0	Cu, Mo		Porphyry Cu-Mo	2724
8	01797	Occ. Number 1-25		Occur.	43	50	30	108	21	0	Cu, Mo		Porphyry Cu-Mo	2424, 4443
9		Tsagaan suvraga		Occur.	43	49	0	108	19	0	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	1773, 2607, 4443
10		Der chuluuny khudag		Occur.	43	51	0	108	34	0	gypsum		Sedimentary gypsum	1714, 4443
11	00517	Elgen		Occur.	43	50	0	108	58	0	U		Sandstone-hosted U	2451
12		Ulzii ovoo		Occur.	43	46	0	108	20	0	gypsum		Sedimentary gypsum	2724
13	00516	Khad		Occur.	43	46	0	108	58	0	U		Sandstone-hosted U	2451
14	00515	Ail		Occur.	43	44	0	108	55	0	U		Sandstone-hosted U	2451
15	05654	Occ. Number 1-37		Occur.	43	41	0	108	18	0	Sr		Sedimentary celestite	2724
16		Occ. Number 1-33		Occur.	43	41	50	108	22	0	gypsum		Sedimentary gypsum	2724, 4443
17		Omnot Olgii		Occur.	43	38	40	108	13	30			REE carbonatite	4150, 4659
18		Olgii khiid		Occur.	43	36	0	108	9	0	Cu, Mo	Au, Ag	Porphyry Cu-Mo	2724
19	03739	Olgii khiid		Occur.	43	36	0	108	12	0	Mn		Sedimentary Mn	1714
20	03735	Unnamed occurrence		Occur.	43	35	0	108	10	0	Mn		Sedimentary Mn	1273
21		Shabain khugag		Occur.	43	31	0	108	25	0	Mn		Sedimentary Mn	1714, 2724
22	03737	Aman us		Occur.	43	22	0	108	18	0	Mn		Sedimentary Mn	1714
23	00513	Gulon		Occur.	43	47	0	109	2	0	U		Sandstone-hosted U	2451

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
24		Unnamed occurrence		Occur.	43	41	0	109	28	0	gypsum		Sedimentary gypsum	960
25	01752	Ulaan badrah		Occur.	43	41	0	109	54	0	Pb, Zn	Cu, Ag, Ge	Carbonate-hosted metasomatic polymetall Ag-Pb-Zn	1340, 4443
26	03738	Unnamed occurrence		Occur.	43	34	50	109	8	12	Mn		Sedimentary Mn	1198
27	00512	Taj		Occur.	43	31	0	109	28	0	U		Sandstone-hosted U	2451
28		Elst khudag		Occur.	43	31	0	109	34	0	gypsum		Sedimentary gypsum	1888
29	05657	Ulaan tolgoi		Occur.	43	51	30	110	7	30	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	960, 4443
30	01754	Khalzan ovoo		Occur.	43	42	0	110	34	0	Ag, Pb	Ge	Granitoid related vein/replacement Pb-Zn(Ge,Ga)	960, 1371
31		Unnamed occurrence		Occur.	43	42	0	110	32	0	gypsum		Sedimentary gypsum	960
32	00511	Noyon		Occur.	43	8	0	108	30	0	U		Sandstone-hosted U	2451
33		Ovor samkhai		Occur.	43	6	2	108	17	2	Au	Cu, Mo, Pb, Ag	Epithermal adularia-sericite type Au	5281
34		Khavtgai		Occur.	43	4	50	108	27	35	gypsum		Sedimentary gypsum	5281
35		Tumen Olzii		Occur.	43	2	25	108	16	20	Mo	Ag, Au	Mo veins	5281
36		Luugiin gol	Dep.		42	58	45	108	32	4			REE carbonatite	4191, 4584, 4659
37		Yamaat		Occur.	42	57	15	108	12	36	Ba		Barite veins	5281
38		Khokh tolgoi		Occur.	42	54	50	108	26	48	gypsum		Sedimentary gypsum	5281
39		Khuriin char tolgod-1		Occur.	42	53	30	108	10	0			REE carbonatite	4877
40		Khuriin char tolgod-2		Occur.	42	52	30	108	11	0			REE carbonatite	4877
41	04249	Barjin		Occur.	42	41	20	108	13	0	Au		Epithermal adularia-sericite type Au	5168
42		Khatan bulag		Occur.	43	18	0	109	3	0			Volcanogenic metasomatitic pyrophyllite	1900
43	03301	Baruun tseel khudag		Occur.	43	0	30	109	33	0	Fe		Fe skarn	1371
44	03303	Agaruut		Occur.	42	59	0	109	38	0	Fe	Cu, Mn	Fe skarn	1371
45		Khokh tolgoi		Occur.	43	18	30	110	18	20	Cu		Granitoid related vein Au-Cu	960
46	01750	Ergen khudag		Occur.	42	52	0	110	21	0	Cu		Granitoid related vein Au-Cu	960
47	04241	Noyon khar tolgoi		Occur.	42	38	0	108	3	0	Fe	Mn, Cu, Zr, Mo	Sedimentary Fe	5168, 5270
48	04245	Devhregiin sair		Occur.	42	38	5	108	3	40	Cu, Au		Granitoid related vein Au-Cu	5168, 5270
49	04244	Zuun serven		Occur.	42	36	50	108	8	50	Au, Cu	W	Granitoid related vein Au-Cu	5168, 5270
50	04247	Modon shand		Occur.	42	37	40	108	10	50	Au	Cu, Pb, Zn, As	Granitoid related vein Au	5168, 5270
51	04253	Zamiin ulaan tolgoi		Occur.	42	36	45	108	11	25	Au		Granitoid related vein Au	5168, 5270

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
52	01751	Noyon khar		Occur.	42	33	30	108	0	30	Pb, Zn	Cu	Carbonate-hosted metasomatic polymetall Ag-Pb-Zn	1371, 5270
53	04243	Alag chuluut uul		Occur.	42	34	15	108	21	40	Fe, Mn		Sedimentary Fe	4877, 5270
54	04248	Khotol tolgod		Occur.	42	34	39	108	28	40	Au	Sb, As	Epithermal adularia-sericite type Au-Ag	5168, 5270
55	04252	Suuj uul		Occur.	42	32	30	108	5	40	Au		Granitoid related vein Au	5168
56	04242	Khetsuu uul		Occur.	42	31	30	108	11	34	Fe, Mn	Cu	Sedimentary Fe	5168, 5270
57	04250	Ongots ulaan uul		Occur.	42	27	0	108	6	30	Au		Granitoid related vein Au	5168
58	01799	Ontsgoi tolgoi		Occur.	42	25	0	108	44	0	Cr		Magmatic podiform Cr	1400, 4831
59	03299	Sulin kheer ovoo		Occur.	42	24	15	108	45	0	Cr		Magmatic podiform Cr	1400, 4831
60	03300	Baga shar khad		Occur.	42	24	0	108	50	0	Cr		Magmatic podiform Cr	1371, 4831
61		Buleg ilerluud		Occur.	42	24	27	108	59	10	Cr		Magmatic podiform Cr	1400, 4831
62		Burhant		Occur.	42	25	43	108	53	40	magnesite		Weathering crust magnesite	4831, 5012
63		Ofitser tolgoi		Occur.	42	24	23	108	52	40	magnesite		Weathering crust magnesite	4831, 5012
64		Khiliin		Occur.	42	24	20	108	52	15	magnesite		Weathering crust magnesite	4831, 5012
65	05653	Khangi ovoo		Occur.	42	28	0	109	25	0	Hg		Silica-carbonate (Listvenite) Hg	4015, 1940

Explanation: \*\*\*- Deposits in operation; \*\*- Deposits mined out, but there is small amount of reserves; \*- Deposits mined out; \*- Occurrences with small ancient openpits on surface.

**Mineral Deposits and Occurrences in the Sheet K-49**  
(Fuel Resources, Gemstones, Mineral Pigments, Minerals and Rocks for Construction Uses)

1:200 000 scale Sheet	№	Number in K-49	Passport number	Deposit and Occurrence Name	Dep.	Occur	Location						Major Resources	Mimor Resources	Mineral Group	Resources	Information Sources (Open File Report number in GIC)
							Latitude			Longitude							
							deg	min	sek	deg	min	sek					
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
I	1	66		Unnamed №394		Occur.	43	54	32	108	59	6	Clays		Minerals and Rocks for Construction Uses	1206.4443	
	2	67	00802	Ail bayan		Occur.	43	44	0	108	55	0	Brown coal		Fuel Resources	2010.4443	
	3	68	05647	Khoit Oelgii		Occur.	43	42	35	108	9	30	Chalcedony		Jemstones	2724.4443	
	4	69		Unnamed №1-39		Occur.	43	38	20	108	19	15	Brown coal		Fuel Resources	2724.4443	
	5	70	0801	Oelgii khiid		Occur.	43	37	0	108	15	0	Brown coal		Fuel Resources	2010.4443	
	6	71	05649	Sueiheent		Occur.**	43	34	35	108	6	0	Opalized wood		Jemstones	3925.4443	
II	7	72		Unnamed		Occur.	43	58	0	109	25	0	Clayey shale		Minerals and Rocks for Construction Uses	5168	
	8	73		Bor tolgoi		Occur.	43	56	48	109	31	17	Chalcedony	Agate	Jemstones	5384	
	9	74		Olziit oboo		Occur.	43	35	0	109	2	0	Lime		Minerals and Rocks for Construction Uses	4669	
III	10	75		Erue uul		Occur.	43	12	40	108	36	20	Periite		Minerals and Rocks for Construction Uses	5384	
VII	11	76		Unnamed		Occur.	43	45	0	110	19	0	Lime		Minerals and Rocks for Construction Uses	5168	
	16	77	00803	Shar khueree		Occur.	43	9	20	109	24	50	Brown coal		Fuel Resources	2010.4443	
	12	78	04264	Khoyor mod		Occur.	42	43	40	108	0	45	Sand-gravel		Minerals and Rocks for Construction Uses	5168	
	13	79	04267	Baga suhait		Occur.	42	42	35	108	5	20	Pigments, iron oxide		Mineral pigments	5168	

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
VII	14	80	04255	Khoit barzin uul		Occur.	42	41	20	108	13	0	Decorative stones(andezite, dazite)		Minerals and Rocks for Construction Uses	5168
VIII	15	81		Khatan bulag		Occur.	43	18	0	109	3	0	Agalmatolite		Jemstones	1900
XIII	17	82	05651	Tsahiur tolgoi		Occur.	42	38	0	108	21	0	Agate	quartz	Jemstones	1900, 5384
	18	83		Tsagaan bosgo		Occur.	42	35	20	108	23	30	Decorative stones (gabbrodiorite, diorite)		Minerals and Rocks for Construction Uses	5168
	19	84	04261	Khezue uul		Occur.	42	33	50	108	13	40	Limestone (for Lime)		Minerals and Rocks for Construction Uses	5168
	20	85	04257	Suez uul		Occur.	42	33	35	108	2	55	Decorative stones(marble)		Minerals and Rocks for Construction Uses	5168
	21	86	04266	Moeroegtsoeg		Occur.	42	33	30	108	20	30	Clays	kaolin	Minerals and Rocks for Construction Uses	5168
	22	87	04256	Khoetoel tolgod		Occur.	42	34	39	108	28	40	Decorative stones (andezite, sandstone, siltstone)		Minerals and Rocks for Construction Uses	5168

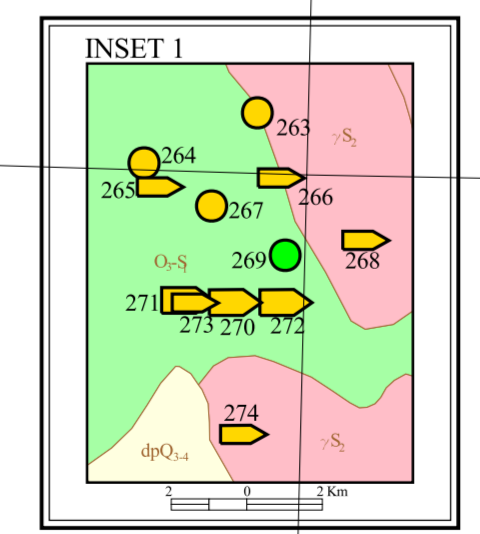
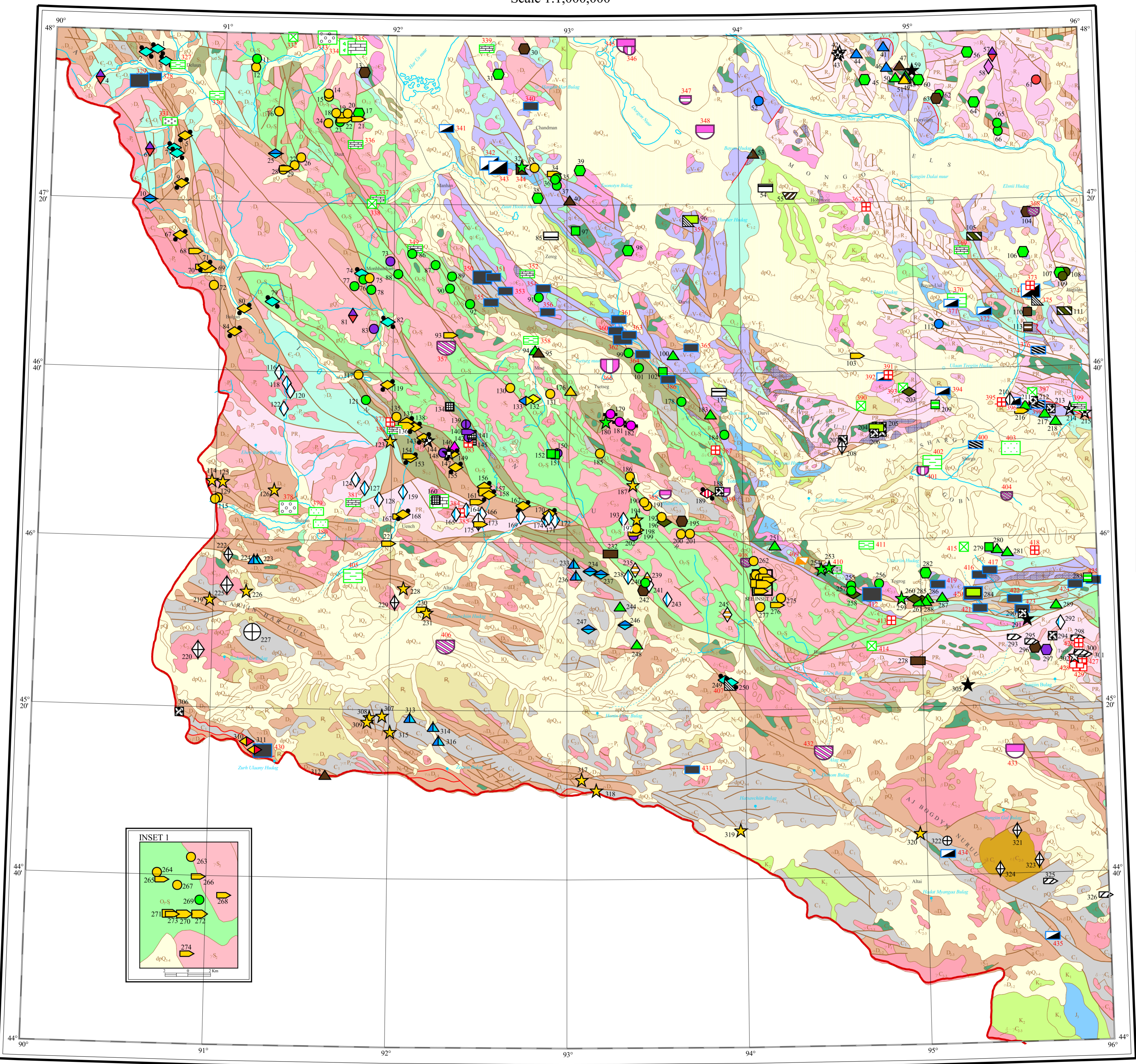
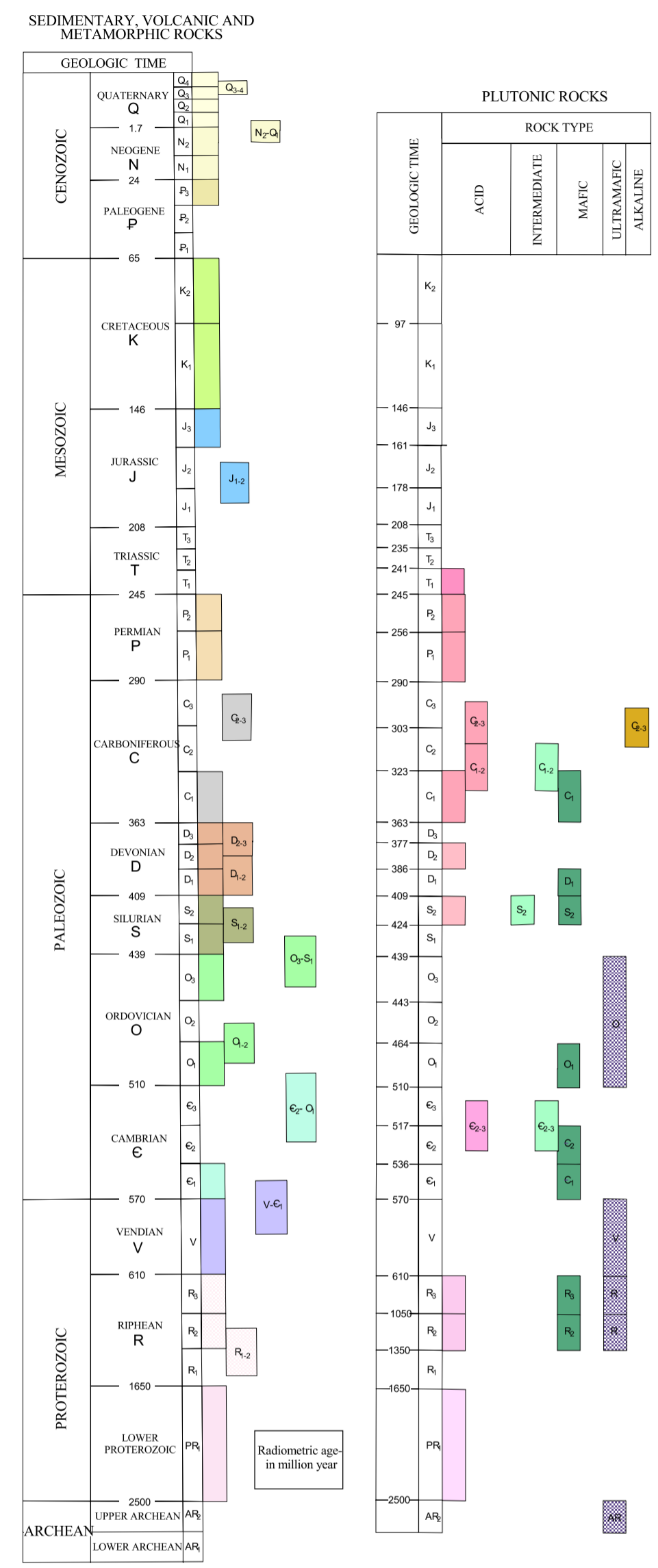
**Explanation ;**

Occur \*\* - Occurrence without estimated Reserves , but is exploited from the Surface Passport №0456 - Occurrence

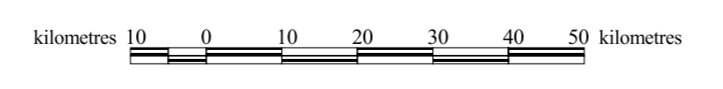
# MINERAL DEPOSITS AND OCCURRENCES OF MONGOLIA

L-46  
Scale 1:1,000,000

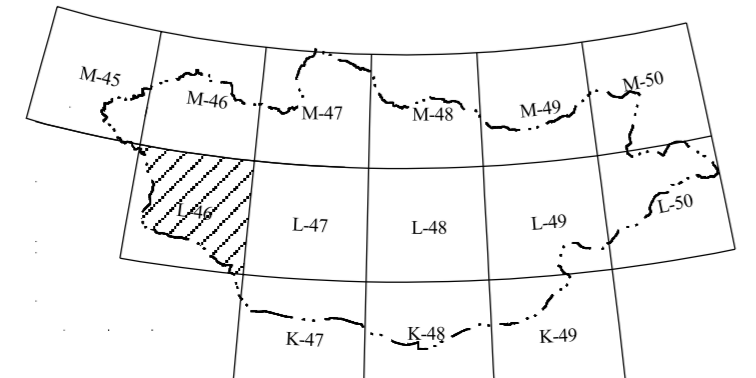
## LEGEND FOR GEOLOGY



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Projection: Transverse Mercator  
Spheroid: Krassovsky



## LEGEND

L-46

### A. Metals, Asbestos, Talc, Graphite, Fluorspar, Gypsum, Phosphate, Garnet, Sillimanite, Disthen, Andalusite, Optical Quartz

Deposit type	Deposit	Occurrence
<b>1. Deposits related to Mafic and Ultramafic Rocks</b>		
1 Zoned mafic-ultramafic Ti-Fe		■
2 Magmatic podiform Cr		■
3 Cu-Ni-(PGE) sulfide mafic-ultramafic related		■
4 Gabbroic Cu-Ni-(PGE)		■
5 Serpentine-hosted asbestos		■
6 Ultramafic-hosted talc metasomatite		■
<b>2. Deposits Related to Marine Felsic-Mafic Extrusive Rocks</b>		
7 Volcanogenic Cu-Zn massive sulfide (Ural type)		▲
8 Volcanogenic Zn-Pb-Cu (Ag, Au, Cd, Sn, Sb, Bi, barite) massive sulfide (Kuroko, Ore Altai type)		▲
9 Volcanogenic - sedimentary Fe		▲
10 Volcanogenic-hydrothermal-sedimentary Pb-Zn (Cu, Ag)		▲
11 Volcanic-associated massive sulfide Au		▲
<b>3. Deposits related to Subaerial Extrusive Rocks and Dyke Complexes</b>		
12 Epithermal adularia-sericite type Au		■
13 Volcanic - associated Sb		■
14 Epithermal vein/replacement fluorite		■
15 Volcanic-hosted metasomatic polymetal Pb-Zn(Cu, Au, Ag)		■
16 Cu - Co - sulfoselenide-sulfosalts veins		■
17 Sb - Bi - Ag veins		■
18 Pb - Sb - Ag veins		■
19 Au - Ag - Sb - As vein/replacements		■
<b>4. Stratiform and Stratabound Deposits in sedimentary rocks</b>		
20 Sedimentary stratiform V, (U-V)		■
<b>5. Deposits related to Calc-Alkaline and Alkaline Granitic Intrusions</b>		
<b>5.1. Pegmatite, Greisen and Alkaline metasomatic Deposits</b>		
21 Be pegmatite		◆
22 Ta - Nb -(REE) pegmatite		◆
23 Muscovite pegmatite		◆
24 Mirolitic and abyssal pegmatite		◆

Deposit type	Deposit	Occurrence
25 W - Mo - Be greisen		◆
26 W - Sn greisen		◆
27 Nb(Ta) - Zr - REE alkaline metasomatites		◆
<b>5.2. Skarn deposits</b>		
28 Fe(Cu, Au, W, Sn) skarn		◆
29 Cu(Fe, Au, Ag, Mo) skarn		◆
30 W (Mo, Fe, Cu) skarn		◆
<b>5.3. Granitoid Related vein, stockwork, metasomatite deposits</b>		
31 Granitoid related Au		◆
32 Granitoid related stockwork metasomatite Cu		◆
33 Mo(W) veins and stockworks		◆
34 W(Mo) veins and stockworks		◆
35 Cassiterite-sulfide veins		◆
36 W (Sn) veins		◆
37 Vein/replacement Pb - Zn		◆
38 Granitoid related fluorite veins		◆
39 Mountain crystal bearing veins		◆
<b>6. Sedimentary Mineral Deposits</b>		
40 Sedimentary Fe (Mn)		◆
41 Sedimentary bauxite		◆
42 Sedimentary phosphate		◆
43 Sedimentary gypsum		◆
<b>7. Deposits Related to Metamorphosed Rocks</b>		
44 Quartz - (carbonate) vein Au		★
45 Vein Cu - Ag		★
46 Metamorphic graphite		★
47 Metamorphic disten-sillimanite-andalusite-kianite		★
48 Metamorphic garnet		★
<b>8. Deposits related to Surficial Process</b>		
49 Placer Au		◆
50 Placer W		◆
51 Placer garnet		◆

### B. Fuel Resources, Gemstones, Silica Resources, Continental Lake Evaporates, Mineral Pigments, Minerals and Rocks for Construction Uses

Mineral Resources	Mineral Deposit	Occurrence
<b>1. Fuel Resources</b>		
1 Peat, turf		■
2 Brown coal		■
3 Hard coal		■
<b>2. Gemstones</b>		
3 Almandine, Serpentine, Nephrite, Precious Epidote, Tremolite, Lapis lazuli, Agate, Marble, onyx		■
<b>3. Silica Resources</b>		
4 Silica speciality Materials (Quartzic Sandstone)		■
<b>4. Continental lake evaporates</b>		
5 Halite		■
6 Halite and Sodium Sulfate Resources		■
7 Sodium Sulfate Resources		■
8 Soda Ash		■
<b>5. Mineral Pigments</b>		
9 Pigments, iron oxide		■
10 Pigments, different colored clays		■
<b>6. Minerals and Rocks for Construction uses: Aggregates, Lightweight Aggregates, Stone, Crushed; Decorative stones, Cement Row Materials and others</b>		
11 Clays ( Fire clay, common clay, )		■
12 Sand		■
13 Sand and gravel		■
14 Limestone		■
15 Decorative stones		■
16 Crushed stones, Building stones, Dimension stones		■

Mineral deposits and occurrences compiled from Open File Reports of the Geological Information Center of MRAM, by **Namsraijavyn Oyuntuya and Namsrain Monk - Erdene**

Digital cartography by Myangaagiin Erdenetsereg; Geological Information Center, MRAM 2000.

Geology from Geological Map of Mongolia at scale 1:1,000,000 compiled in 1999 by: G. Badarch, Ts. Makhbador, D. Orolmaa, P. Khosbayar, O. Tomurgoo; Institute of Geology and Mineral Resources, Academy of Sciences of the Mongolia.

Printed by Geological Information Center of MRAM in 2001. Ulaanbaatar

**Metals & Industrial Minerals Deposits & Occurrences in the Sheet L-46**  
*Compiled by Namsrajavyn Oyuntuya*

Number in the L-46 sheet	Passport number in GIC	Deposit and occurrence name	Dep.	Occur.	Location						Major commodity	Minor commodity	Deposit type	Data source: Open File Report number in GIC, Mongolia
					Latitude			Longitude						
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1		Yolkh /I-I-3-3/		Occur.	47	55	36	90	35	48	Cu		Cu-Co-sulfoarsenide-sulfosalts veins	4100, 5306
2		Chikhert /I-I-3-2/		Occur.	47	54	48	90	31	44	Cu, Ag		Cu-Co-sulfoarsenide-sulfosalts veins	4100, 5306
3		Deluun /I-I-3-6/		Occur.	47	52	52	90	38	51	Cu, Ag		Cu-Co-sulfoarsenide-sulfosalts veins	4100, 5306
4	00262	Chikhert gol /I-II-2-3/		Occur.	47	48	25	90	15	50	W		W-Mo-Be greisen	4100, 5306
5		Bugat /I-III-4-2/		Occur.	47	35	10	90	46	00	Au, Sb, Ag		Epithermal adularia-sericite type Au	5306
6	03726	Khuiten salaa		Occur.	47	31	40	90	34	00	W		W-Mo-Be greisen	4100, 5306
7		Tovshin		Occur.	47	32	20	90	42	40	Cu		Cu-Co-sulfoarsenide-sulfosalts veins	5306
8	00260	Nutsgen /I-III-3-15/		Occur.	47	31	0	90	43	40	Cu		Cu-Co-sulfoarsenide-sulfosalts veins	4100, 5306
9		Tovshin davaa /I-IV-4-2/		Occur.	47	23	55	90	45	15	Au		Epithermal adularia-sericite type Au	5306
10	03731	Bulgan gol		Occur.	47	20	0	90	35	00	Pb		Volcanic-hosted metasomatic polymetall Pb-Zn(Cu,Au,Ag)	646, 847
11		Khokh serkh		Occur.	47	54	0	91	11	00	Cu, Au		Granitoid related veins/replacement Cu	5306
12		Shar khad		Occur.	47	52	0	91	10	30	Au		Granitoid related Au	5306
13	03765	Sulikhairhan		Occur.	47	51	0	91	49	00	Fe		Fe skarn	2081, 2767
14		Olon ondor		Occur.	47	46	0	91	36	30	Au		Granitoid related Au	5306
15	03491	Dam us		Occur.	47	45	30	91	36	30	Au		Granitoid related Au	5306
16		Khokh sair		Occur.	47	41	30	91	19	00	Au	Ag, Pb, As, Sb	Granitoid related Au	5306
17	00348	Morit shovgor		Occur.	47	41	30	91	47	04	Cu		Cu skarn	4919, 5306
18		Tsakhir uul		Occur.	47	41	30	91	39	00	Au		Granitoid related Au	4919, 5306
19	03506	Tsagaan chuluut		Occur.	47	41	0	91	41	0	Au		Placer Au	4919, 5306
20		Khuren ondor		Occur.	47	41	30	91	43	00	Au		Granitoid related Au	4919, 5306
21	03507	Biluut		Occur.	47	40	0	91	47	0	Au		Placer Au	4919, 5306
22		Tsagaan burgas	Dep.		47	40	0	91	42	0	Au		Placer Au	4919, 5306
23	00345	Occurrence №1 /Khongorhairhan/		Occur.	47	39	20	91	40	40	Cu		Granitoid related veins/replacement Cu	2081, 4919
24		Khotol us		Occur.	47	39	0	91	36	30	Au, Cu		Granitoid related Au	4919, 5306

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
25	00261	Burgedtei		Occur.	47	31	30	91	18	00	Pb, Zn, Cu	Au, Ag, As	Volcanic-hosted metasomatic polymetall Pb-Zn(Cu,Au,Ag)	4100, 5306
26		Khar khad		Occur.	47	30	40	91	27	10	Au		Granitoid related Au	4919, 5306
27		Ovoot nuruu		Occur.	47	28	52	91	25	05	Au		Granitoid related Au	4919, 5306
28		Khokh belchir		Occur.	47	28	0	91	21	0	Au		Granitoid related Au	4919, 5306
29	03505	Khokh salaa		Occur.	47	28	0	91	22	0	Au		Placer Au	5306
30	03767	Buureg tolgoi		Occur.	47	57	0	92	45	0	Fe		Fe skarn	2081, 2767
31	03710	Oyut tolgoi /chandmani/		Occur.	47	51	0	92	36	0	Cu, Au	Ag, Co, Zn	Cu skarn	2081, 5306
32	04313	Zost tolgoi /III-18-Г-3/		Occur.	47	29	0	92	44	30	Cu		Regional metamorphism related vein Cu-Ag	4942, 5306
33	04308	Khuremt /III-18-Г-6/		Occur.	47	29	0	92	49	0	Au	Cu	Granitoid related Au	4942, 5306
34	03504, 03492	Yembuu tolgoi		Occur.	47	27	20	92	56	00	Au		Placer Au	4919, 4942, 5306
35	04309	Yembuu 1 /III-18-Г-11/		Occur.	47	26	30	92	56	30	Cu	Au	Granitoid related veins/replacement Cu	4942, 5306
36		Yembuu 2 /III-18-Г-12/		Occur.	47	26	15	92	56	00	Cu	Pb, Zn	Granitoid related veins/replacement Cu	4942, 5306
37		Khavshig us /III-18-Г-13/		Occur.	47	24	50	92	56	30	Cu		Granitoid related veins/replacement Cu	4942, 5306
38	04312	Khoo /Khavchig yargait / III-18-Г-15//		Occur.	47	21	45	92	49	53	Cu, Au		Cu skarn	4942, 5306
39	03708	Tsagaan tolgoi		Occur.	47	28	10	93	04	40	Cu		Cu skarn	2767, 3576
40		Shuruugiin sair		Occur.	47	21	0	93	01	0	Fe	Ag, Cu, Sn	Volcanogenic-sedimentary Fe	4655
41		Khairhan uul /V-10-Б-16/		Occur.	47	56	45	94	51	30	Zn	Ag, Cu, Pb	Volcanogenic Zn-Pb-Cu massive sulfide	3576
42		V-10-A-4		Occur.	47	55	40	94	36	00	graphite		Metamorphic graphite	3576
43		V-10-A-10		Occur.	47	55	0	94	35	40	graphite		Metamorphic graphite	3576
44		Belen tsakhir		Occur.	47	55	0	94	42	0	Pb	Zn, Mo, Ag	Volcanogenic Zn-Pb-Cu massive sulfide	3576
45	04140, 00139	Zos uul /V-10-V-1/		Occur.	47	49	0	94	45	0	Cu	Au	Cu skarn	3576, 4965, 5065
46		Gurvan taishir uul		Occur.	47	51	30	94	52	32	Pb, Zn, Cu		Volcanogenic Zn-Pb-Cu massive sulfide	4965
47		Bayan airag uul		Occur.	47	52	0	94	57	0	Fe	Mn, Au	Volcanogenic-sedimentary Fe	3576
48	04139, 03499	Bayan airag uul		Occur.	47	49	36	94	59	00	Cu, Au		Volcanogenic Cu-Zn massive sulfide (Ural type)	3576
49		Bayan airag		Occur.	47	49	15	94	59	00	Pb		Volcanogenic Zn-Pb-Cu massive sulfide	3576, 5065
50		Unnamed /V-10-G-16/		Occur.	47	49	10	94	55	30	Cu	Au, Ag, Fe	Volcanogenic Cu-Zn massive sulfide (Ural type)	3576
51	03732	Erdene tolgoi		Occur.	47	49	14	94	58	45	Au	Fe	Volcanogenic-associated massive sulfide Au	4965, 5072
52		lkh elst /V-9-V-1,2/		Occur.	47	44	30	94	07	30	Pb	Ag, Cu, Au	Granitoid related veins/replacement Pb-Zn	3576



0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
53		Bayan khudag /V-21-A-4/		Occur.	47	31	40	94	05	03	Fe, Mn		Volcanogenic-sedimentary Fe	3576, 4236
54	00132	21-V-1		Occur.	47	23	45	94	09	30	gypsum		Sedimentary gypsum	3576
55		Unnamed /V-21-G-4/		Occur.	47	22	0	94	18	0	V		Sedimentary stratiform V	3576
56		Zalaa uul /uchastok/		Occur.	47	55	0	95	21	0	Cu	W, Ag, Au	Cu skarn	1755, 3576
57		Berilliin uul /VI-11-B-11/		Occur.	47	54	0	95	30	0	Be	Mo, Bi	W-Mo-Be greisen	3576
58		Anamali-671		Occur.	47	51	14	95	28	30	TR, Zr	Nb, Mo	Nb(Ta)-Zr-REE alkaline metasomatites	4659, 4364
59	00133	VI-11-A-4		Occur.	47	50	45	95	01	30	garnet		Metamorphic garnet	3576
60		Alag nuram uul		Occur.	47	48	47	95	03	41	Cu		Cu skarn	4965
61	00141	VI-11-V-11		Occur.	47	48	0	95	45	0	Mo		Mo(W) veins and stockworks	3576
62	04141	Zambain khudag /khurimt uul/		Occur.	47	45	21	95	11	00	Cu	Au, Pb, Zn	Granitoid related veins/replacement Cu	2862, 4965
63		Kharaa uul		Occur.	47	44	0	95	10	0	Fe		Fe skarn	4965
64		Zambain khudag		Occur.	47	43	0	95	23	0	Cu, Au		Cu skarn	2862, 3576
65		Unnamed /Ovoot/		Occur.	47	38	0	95	31	0	Cu	Ag	Granitoid related veins/replacement Cu	3576
66	03706	Khashaat		Occur.	47	36	0	95	31	0	Cu	Co	Granitoid related veins/replacement Cu	2862
67	03999	Turgen		Occur.	47	11	40	90	45	30	Au		Epithermal adularia-sericite type? Au	4830, 5306
68	03998	Targil		Occur.	47	08	0	90	51	0	Au		Placer Au	635, 4830
69	00255	Khuurai salaa	Dep.***		47	04	0	90	55	30	Au		Placer Au	4830, 5306
70	03997	Indert		Occur.	47	04	10	90	53	30	Au		Placer Au	4830, 5306
71		Khuurai bulag		Occur.	47	04	20	90	54	10	Au		Epithermal adularia-sericite type? Au	4830
72	04000	Dund jargalant		Occur.	47	00	15	90	57	40	Au	Cu, Pb	Granitoid related Au	4830, 5306
73		Zamtyn sair		Occur.	47	06	30	91	59	00	W		W(Mo) veins and stockworks	5306
74		Tsenher		Occur.	47	03	30	91	49	00	Cu		Cu-Co-sulfoarsenide-sulfosalts veins	5306
75		Monkh khairhan		Occur.	47	02	30	91	51	40	Au		Granitoid related Au	5306
76		Dund tsenher		Occur.	47	02	0	91	49	30	Cu, Zn		Granitoid related veins/replacement Cu	5306
77		Artsat khoroo 2		Occur.	47	00	30	91	46	40	Cu	Au	Granitoid related veins/replacement Cu	5306
78		Dund tsenher		Occur.	46	59	50	91	52	20	Cu	Ni, Co	Granitoid related veins/replacement Cu	5073, 5306
79		Bayan gol		Occur.	46	56	25	91	17	55	Cu		Cu-Co-sulfoarsenide-sulfosalts veins	5073, 5306
80		Khujirt		Occur.	46	54	30	91	08	30	Au, Pb		Epithermal adularia-sericite type? Au	5073, 5306
81		Boort		Occur.	46	53	30	91	46	00	W, Mo		W-Mo-Be greisen	5073, 5306

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
82		Tsagaan gol		Occur.	46	52	0	91	58	20	Cu		Cu-Co-sulfoarsenide-sulfosalts veins	5073, 5306
83		Ulaan boorog		Occur.	46	50	20	91	53	20	W		W(Mo) veins and stockworks	5073, 5306
84	04003	Tuulait		Occur.	46	49	0	91	05	0	Au	Pb	Epithermal adularia-sericite type? Au	5073, 5306
85	04468	Unnamed /IX-29-B-23/		Occur.	47	12	50	92	54	30	gypsum		Sedimentary gypsum	2767, 4942
86	03714	Khuurai tsenher		Occur.	47	08	18	92	06	30	Cu		Granitoid related veins/replacement Cu	2767, 4942, 5306
87	04314	Balaat gozgor /IX-29-V-32/		Occur.	47	05	45	92	14	30	Cu	Pb, Zn, Ag, Au, Mo	Granitoid related veins/replacement Cu	4942
88		Shar khotol		Occur.	47	03	40	92	01	30	Cu	W	Granitoid related veins/replacement Cu	5306
89	04315	Tsagirag uul-1 /IX-29-G-47/		Occur.	47	03	0	92	20	14	Cu	Pb, Zn, Ag	Granitoid related veins/replacement Cu	4942
90		Botgon /Tsagirag uul/ /IX-29-G-48/		Occur.	47	00	10	92	19	30	Cu		Granitoid related veins/replacement Cu	4942, 5306
91		Ulaan bogoch		Occur.	46	58	15	92	50	30	Cu		Granitoid related veins/replacement Cu	4942, 5306
92		Botgony khotol		Occur.	46	56	30	92	26	30	Cu		Granitoid related veins/replacement Cu	5306
93	03489	Gegeen guu		Occur.	46	49	0	92	20	0	Au		Placer Au	4918
94	03493	Khalzan khoshuu		Occur.	46	45	30	92	49	00	Cu	Au	Volcanogenic Cu-Zn massive sulfide (Ural type)	4942, 5306
95	04451	Paizyn khar tolgoi /IX-42-G-85/		Occur.	46	45	0	92	50	10	Fe		Volcanogenic-sedimentary Fe	4942
96	03455	Zost tolgoi		Occur.	47	16	30	93	43	00	Al		Sedimentary bauxite	4861, 5306
97		Khairhan		Occur.	47	14	0	93	03	0	Cu	Pd, Pt	Gabbroic Cu-Ni-(PGE)	4812
98	03412	Zakhyn ovoot tolgoi		Occur.	47	09	10	93	21	40	Cu		Cu skarn	4861, 5306
99	03424	Deteg davaa		Occur.	46	45	03	93	21	11	Cu, Au	Ag, Sb	Granitoid related veins/replacement Cu	4861, 5306
100	03411	Tsetserlegiin nuruu		Occur.	46	44	15	93	36	20	Cu		Volcanogenic Cu-Zn massive sulfide (Ural type)	4861, 5306
101	03413	Khokh sair		Occur.	46	41	27	93	25	00	Cu, W	Zn	Granitoid related veins/replacement Cu	4861, 5306
102	03414	Tsagaan gol		Occur.	46	40	25	93	33	00	Cu		Gabbroic Cu-Ni-(PGE)	4861, 5306
103	03488	Tsagaan burgas		Occur.	46	43	30	94	40	20	Au	Bi	Placer Au	4918
104	04453	Doroogiin khotol		Occur.	47	16	45	95	40	20	Fe	Mn, Zn, Cu	Fe skarn	4861
105	04492	Tsakhiryin nuruu		Occur.	47	11	20	95	21	42	Phosphorites		Sedimentary phosphate	4861
106	03425	Khavchig tolgoi		Occur.	47	07	10	95	38	30	Cu		Cu skarn	4861
107	03415	Belchir uul		Occur.	47	02	0	95	51	0	Cu	Ag, Pb	Cu skarn	4861
108	03877	Ulaan tsakhir khudag		Occur.	47	01	55	95	52	40	CaF <sub>2</sub>		Granitoid related fluorite veins	4861
109	03405	Berkh tsakhir uul		Occur.	47	01	0	95	52	0	CaF <sub>2</sub>		Granitoid related fluorite veins	4861
110	01755	Uet ondor		Occur.	46	52	53	95	39	00	Fe, Ti		Zoned mafic-ultramafic Ti-Fe	2584, 4861

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
111		Salaany gol		Occur.	46	53	0	95	52	0	Phosphorites		Sedimentary phosphate	4496
112	03462	Ondor ulaan uul		Occur.	46	50	50	95	08	30	Zn	Cu, Pb	Granitoid related vein/replacement Pb-Zn	4861
113	04585	Khalzan uul		Occur.	46	49	20	95	39	20	Cr		Magmatic podiform Cr	4861
114		Yangirt		Occur.	46	13	40	90	58	50	Au		Regional metamorphism related quartz-(carbonate) vein Au	5306
115		Yarant		Occur.	46	09	30	90	58	20	Au		Granitoid related Au	5306
116	03716	Khargait		Occur.	46	39	42	91	21	00	Be	Nb, REE	Be pegmatite	936, 5306
117		Artsat khoroo		Occur.	46	39	30	91	48	20	Au		Granitoid related Au	5306
118	03761	Bulgat		Occur.	46	37	06	91	23	42	Be		Be pegmatite	936, 5306
119	04225	Tsunheg		Occur.	46	37	0	91	58	0	Au		Epithermal adularia-sericite type? Au	5306
120	03760	Shoroot		Occur.	46	35	12	91	25	12	Be	Nb, REE	Be pegmatite	936, 5306
121	04220	Ust salaa		Occur.	46	33	30	91	50	46	Cu	Pb, Zn, W	Granitoid related veins/replacement Cu	5158
122	03723	Indert		Occur.*	46	31	0	91	23	0	Be	Nb	Be pegmatite	814, 1421, 5306
123	04232	Gegeenii khotol		Occur.	46	23	36	91	59	35	Au, Cu		Regional metamorphism related quartz-(carbonate) vein Au	5158, 5306
124		Jargalant		Occur.	46	14	30	91	48	00	Be		Be pegmatite	966, 5306
125		Shar bulag		Occur.	46	13	20	91	02	30	Au		Regional metamorphism related quartz-(carbonate) vein Au	5306
126		Ovoot		Occur.	46	11	40	91	20	15	Au		Regional metamorphism related quartz-(carbonate) vein Au	5306
127		Zabsar bulag		Occur.	46	12	30	91	51	00	Be		Be pegmatite	966, 5306
128		Taragt		Occur.	46	10	0	91	56	0	Be		Be pegmatite	966, 5306
129		Zuun khaaz		Occur.	46	09	50	91	00	40	Au		Granitoid related Au	5306
130		Mukhar ulaan		Occur.	46	36	50	92	40	40	Au		Granitoid related Au	5306
131		Temeet uul		Occur.	46	35	20	92	54	20	Au, Cu		Granitoid related Au	5073, 5306
132		Shavagt ulaan		Occur.	46	34	0	92	48	20	Ag, Sb	Au	Sb-Bi-Ag veins	5073, 5306
133	9-48	Boorj		Occur.	46	33	40	92	46	00	Ag, Pb, Zn		Pb-Sb-Ag veins	548, 4627, 5306
134	04228	Mogoi khar		Occur.	46	32	05	92	19	45	talca	Ni, Cr, Cu, Pb	Ultramafic-hosted talc metasomatite	5158
135		Ikh nariin		Occur.	46	29	40	92	01	30	Au	Pb	Granitoid related Au	5306
136		Ikh khar chuluut	Dep.		46	28	10	92	04	50	Au		Placer Au	4918, 5158, 5306
137	03509	Ikh khar chuluut		Occur.	46	28	0	92	04	50	Au		Epithermal adularia-sericite type? Au	4918, 5158
138		Khujirt		Occur.	46	27	0	92	07	30	Au		Epithermal adularia-sericite type? Au	5158, 5306

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
139		Nariin dov /nariin dav/		Occur.	46	28	0	92	25	40	W	Sn	W(Sn) veins	5158, 5306
140		Baruun am		Occur.	46	26	10	92	26	20	W		Placer W	5158, 5306
141	00001	Baruun am 1		Occur.	46	25	40	92	27	30	talc		Ultramafic-hosted talc metasomatite	4918
142	04222	Baruun am		Occur.	46	25	10	92	26	40	W	Sn, Bi, Mo, Pb, Zn, Cu, Au	W(Sn) veins	4918, 5158
143		Indert		Occur.	46	24	30	92	11	00	Au		Epithermal adularia-sericite type Au	5158, 5306
144	04227	Nutsgen indertiin zayat		Occur.	46	24	20	92	12	05	graphite		Metamorphic graphite	5158
145	04229	Bayan am		Occur.	46	23	55	92	27	00	talc		Ultramafic-hosted talc metasomatite	5158
146	04223	Uudav		Occur.	46	22	05	92	21	40	W	Au, Sn	W-Sn greisen	5158, 5306
147	04226	Ulaan bogoch		Occur.	46	21	10	92	19	30	graphite		Metamorphic graphite	5158
148	04224	Khar dav		Occur.	46	21	07	92	17	50	W	Sn, Au	W(Mo) veins and stockworks	4918, 5306
149		Ulaan ereg		Occur.	46	20	46	92	20	40	Au		Epithermal adularia-sericite type? Au	5158, 5306
150		Myangan ugalzat		Occur.	46	21	20	92	56	50	W, Sn		W(Sn) veins	5158, 5306
151		Baga khondlon		Occur.	46	20	56	92	55	53	Cu	Au	Gabbroic Cu-Ni-(PGE)	5158, 5306
152		Tsakhir khoshuu		Occur.	46	20	53	92	54	48	Cu	Au	Gabbroic Cu-Ni-(PGE)	5158, 5306
153		Gants mod		Occur.	46	19	50	92	06	15	Au		Epithermal adularia-sericite type? Au	5158, 5306
154		Gants mod		Occur.	46	20	0	92	06	15	Au		Placer Au	5158, 5306
155		Khondiin khudag		Occur.	46	17	40	92	22	00	Au		Epithermal adularia-sericite type? Au	5158, 5306
156		Khondiin		Occur.	46	13	0	92	31	40	Au		Epithermal adularia-sericite type? Au	4918, 5306
157		Khondiin gol	Dep.		46	12	10	92	32	30	Au		Placer Au	4918, 5306
158		Khondiin adag		Occur.	46	11	10	92	33	20	Au		Epithermal adularia-sericite type? Au	5158, 5306
159	03582	Uyench		Occur.	46	11	48	92	04	15	Be		Be pegmatite	966, 5306
160	04231	Bayan zurkh		Occur.	46	10	0	92	15	20	talc		Ultramafic-hosted talc metasomatite	5158
161	03508	Tamt		Occur.	46	09	30	92	29	20	Au		Placer Au	4918
162	03486	Shar bulag		Occur.	46	08	30	92	45	00	Au		Epithermal adularia-sericite type? Au	4918, 5306
163		Shavryn us		Occur.	46	07	0	92	23	35	garnet		Metamorphic garnet	4918
164	04409	Gants mod		Occur.	46	07	32	92	25	40	Be	Ta-Nb garnet	Be pegmatite	4918
165	03728	Alag tekht		Occur.	46	06	36	92	22	37	Be		Be pegmatite	966, 5306
166		Ergen us		Occur.	46	06	45	92	31	15	Be		Be pegmatite	966, 5306
167		Uyench		Occur.	46	06	0	92	03	10	Au		Placer Au	5158, 5306

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
168		Uyench		Occur.	46	06	20	92	04	30	Au		Epithermal adularia-sericite type? Au	5158, 5306
169	03724	Shar bulag		Occur.	46	06	10	92	44	40	Be		Be pegmatite	966, 5306
170		Khaliuny khavtsal		Occur.	46	06	40	92	54	00	Au		Epithermal adularia-sericite type? Au	5158, 5306
171		Baruun angirt		Occur.	46	05	40	92	54	00	Be		Be pegmatite	966, 5306
172		Zuun angirt		Occur.	46	05	10	92	56	00	Be		Be pegmatite	966, 5306
173	974, 03727	Bodonch	Dep.*		46	05	0	92	30	0	muscovite	Be, crystal	Muscovite pegmatite	1659, 1653, 1917, 4918
174	3729	Angirt		Occur.	46	05	30	92	53	00	Be, Ta, Nb		Be pegmatite	966, 5306
175		Bodonch gol		Occur.	46	04	26	92	30	48	Au		Placer Au	4657
176	03487	Zost /temeet khotol/		Occur.	46	35	51	93	01	26	Au	Pb	Volcanogenic-associated massive sulfide Au	4918, 5306
177	04469	Gashuuny khudag /XYI-56-B-2/		Occur.	46	35	30	93	52	30	gypsum		Sedimentary gypsum	4861
178		Erdene chuluu		Occur.	46	33	20	93	39	25	Cu		Granitoid related veins/replacement Cu	4861, 5306
179		Jadatyn khar		Occur.	46	30	25	93	15	00	Sn, Cu		Cassiterite-sulfide veins	4861, 5306
180	03417	Bogos sair		Occur.	46	28	30	93	13	30	Cu	Ag	Regional metamorphism related vein Cu-Ag	4861
181		Oyut tolgoi		Occur.	46	28	40	93	18	00	Sn, Cu		Cassiterite-sulfide veins	5158, 5306
182	03416	Yargait /yargait uul/		Occur.	46	27	50	93	22	00	Sn	Cu, W, Au	Cassiterite-sulfide veins	5158, 5306
183		Khokh asga		Occur.	46	30	10	93	49	10	Cu	Ag	Volcanogenic Cu-Zn massive sulfide (Ural type)	4861, 5306
184		Tonkhil		Occur.	46	25	20	93	54	10	Cu	Au	Granitoid related veins/replacement Cu	4861, 5306
185		Bogos		Occur.	46	21	20	93	11	30	Au		Granitoid related Au	4861, 5306
186		Shavryn gol		Occur.	46	15	40	93	21	40	Au		Granitoid related Au	4861, 5306
187		Bayan gol		Occur.	46	13	30	93	22	40	Au		Regional metamorphism related quartz-(carbonate) vein Au	4861, 5306
188	03607	Tonkhil nuur /XVI-68-B-8/		Occur.	46	12	0	93	52	40	asbestos		Serpentine-hosted asbestos	963, 4861
189		Zacgiin bulag		Occur.	46	11	25	93	48	10	Sb	As	Volcanic-associated Sb	4861, 5306
190		Maikhan		Occur.	46	09	30	93	26	30	Au		Granitoid related Au	5306
191		Oliin davaa		Occur.	46	08	50	93	27	20	Au		Granitoid related Au	5306
192		Aryn khudag		Occur.	46	06	0	93	32	30	Au		Granitoid related Au	5306
193	03725	Unnamed /occurrence №919/		Occur.	46	05	20	93	19	25	Be		Be pegmatite	966, 4658
194		Deed bulag		Occur.	46	05	20	93	24	00	Au		Regional metamorphism related quartz-(carbonate) vein Au	5158, 5306
195	04454	Alag uul		Occur.	46	05	0	93	39	20	Fe		Fe skarn	4861

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
196	03407	Khudgiin uul		Occur.	46	04	50	93	33	03	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	2584, 4861
197		Khokh indert		Occur.	46	03	10	93	23	35	Au		Granitoid related Au	5306
198		Tsakhir bulag		Occur.	46	03	0	93	23	40	Au		Placer Au	5306
199		Khokh indert		Occur.	46	02	20	93	23	20	Au		Placer Au	5306
200		Ugalzat		Occur.	46	02	0	93	39	0	Au		Granitoid related Au	5306
201		lkh bayan		Occur.	46	02	0	93	42	10	Au		Granitoid related Au	5306
202		Barlagyn gol		Occur.	46	01	30	93	22	38	W		W(Mo) veins and stockworks	946, 5306
203	03432	Unnamed-5 /XVII-58-B-11/		Occur.	46	34	50	94	57	10	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4861
204		Alag uul		Occur.	46	26	10	94	45	50	Al		Sedimentary bauxite	2758, 4861
205	03876, 03769	Alag uul	Dep.		46	26	0	94	47	0	asbestos		Serpentine-hosted asbestos	3563, 4861
206	03800	Khamtyn khuch /XVII-58-G-56/		Occur.	46	25	14	94	45	30	asbestos		Serpentine-hosted asbestos	4861
207		Khavchig bulag		Occur.	46	24	0	94	35	0	asbestos		Serpentine-hosted asbestos	2584
208		Khatsavyn bulag		Occur.	46	22	0	94	34	0	crystal		Miarolitic and abyssal pegmatite	2584
209	03454	Daagan del		Occur.	46	31	30	95	06	25	Ni		Cu-Ni-(PGE) sulfide mafic-ultramafic related	4861
210	03596	Tsagaah ovoo /XVIII-60-A-3/		Occur.	46	32	20	95	32	20	muscovite		Muscovite pegmatite	4861
211	03419	Olgoi tsagaan		Occur.	46	30	50	95	37	30	Cu	Au, Zn, Pb	Volcanogenic Cu-Zn massive sulfide (Ural type)	4861
212	03592	Dund sharyn gol /XYIII-60-A-6,7,14/		Occur.	46	31	50	95	40	30	asbestos		Serpentine-hosted asbestos	1422, 4861
213	03600	Shigshig uul /XYIII-60-V-1,3,9/		Occur.	46	29	50	95	46	30	asbestos		Serpentine-hosted asbestos	4861
214	03597	Buural tsakhir /XYIII-60-G-4/		Occur.	46	29	40	95	52	50	graphite		Metamorphic graphite	4861
215	03595	Shar tsakhiurt /XYIII-60-G-7/		Occur.	46	28	50	95	57	35	graphite		Metamorphic graphite	4861
216	03485	Dund shar		Occur.	46	29	40	95	36	00	Au		Placer Au	4861
217	03418	Aguit		Occur.	46	28	50	95	44	00	Cu	Au, Zn, Pb	Volcanogenic Cu-Zn massive sulfide (Ural type)	4861
218	03409	Maikhan uul		Occur.	46	27	0	95	47	20	Cu	Au, Zn, Pb	Volcanogenic Cu-Zn massive sulfide (Ural type)	4861
219	03500	Tsakhir tolgoi		Occur.	45	45	30	90	59	10	Au	Cu, As	Regional metamorphism related quartz-(carbonate) vein Au	4865
220	947	Uushgiin-Uс	Dep.**		45	33	30	90	55	30	crystal		Miarolitic and abyssal pegmatite	811, 823
221	03501	Uyench		Occur.	45	59	30	91	59	30	Au		Placer Au	4865
222		Gurvan khuukhed		Occur.	45	56	0	91	05	0	crystal		Miarolitic and abyssal pegmatite	4865
223		Baruun		Occur.	45	55	10	91	15	00	Cu		Volcanogenic-hydrothermal-sedimentary Pb-Zn (Cu)	4865

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
224		Zuun		Occur.	45	55	0	91	14	0	Cu		Volcanogenic-hydrothermal-sedimentary Pb-Zn (Cu)	4865
225		Ovkhidog uul	Dep.*		45	49	0	91	05	0	crystal		Miarolitic and abyssal pegmatite	811, 4865
226		Alag nokhoin khudag		Occur.	45	47	30	91	11	30	Au	Cu, Ag	Regional metamorphism related quartz-(carbonate) vein Au	4865
227	02507	Tsagaan tolgoi	Dep.**		45	38	0	91	14	0	crystal		Mountain crystal bearing veins	823, 1571, 4865
228	04320	Salkhit		Occur.	45	48	50	92	04	40	Au	Cu, Ag	Regional metamorphism related quartz-(carbonate) vein Au	4865
229		Shiluustein uul		Occur.	45	45	30	92	01	30	morion		Miarolitic and abyssal pegmatite	1517, 4865
230	03502	Bodonch		Occur.	45	43	50	92	11	20	Au		Placer Au	4865
231	04319	Khojuu tolgoi		Occur.	45	43	0	92	12	30	Au	Cu, Ag	Regional metamorphism related quartz-(carbonate) vein Au	4865
232		Khovol uul		Occur.	45	57	20	93	14	30	Fe		Sedimentary Fe(Mn)	4865
233		Shovgor uul		Occur.	45	54	50	93	02	30	Zn, Pb		Volcanogenic-hydrothermal-sedimentary Pb-Zn (Cu)	946, 5306
234	03719	Onts tolgoi		Occur.	45	53	10	93	08	00	Pb, Zn, Cu	As, Ag	Volcanic-hosted metasomatic polymetall Pb-Zn(Cu,Au,Ag)	946, 1404, 5306
235		Khuld gol		Occur.	45	53	25	93	23	18	Nb	Ta, REE	Ta-Nb-(REE) pegmatite	1421, 5306
236	03721	Zost uul		Occur.	45	51	55	93	03	20	Pb, Zn		Volcanogenic-hydrothermal-sedimentary Pb-Zn (Cu)	946, 1404, 5306
237		Kharganat		Occur.	45	52	30	93	11	30	Cu		Volcanic-hosted metasomatic polymetall Pb-Zn(Cu,Au,Ag)	4865, 5306
238	03730	Khoit khuld		Occur.	45	52	0	93	21	0	Be, Nb		Be pegmatite	946, 1421, 4865, 5306
239		Khurdet		Occur.	45	50	50	93	27	20	Nb	REE	Ta-Nb-(REE) pegmatite	1421, 4865, 5306
240		Ogtrogo tolgoi		Occur.	45	50	23	93	26	40	Cu		Granitoid related veins/replacement Cu	4865, 5306
241		Dund khuld gol		Occur.	45	50	0	93	28	0	Be		Be pegmatite	1421, 4865, 5306
242		Khust uul		Occur.	45	48	30	93	26	15	Fe		Fe skarn	4865
243		Urd khuld gol		Occur.	45	46	20	93	34	00	Be		Be pegmatite	1421, 5306
244		Kholboo tolgoi		Occur.	45	44	40	93	17	50	Cu	Zn, Pb	Volcanogenic Cu-Zn massive sulfide (Ural type)	4865
245		Kholboo khudag		Occur.	45	42	48	93	54	35	Nb	Ta, REE	Ta-Nb-(REE) pegmatite	1421, 5306
246	03720	Ovchuu bulag		Occur.	45	40	30	93	19	45	Cu	Zn, Pb	Volcanic-hosted metasomatic polymetall Pb-Zn(Cu,Au,Ag)	946, 1421, 4865, 5306
247	04321	Nuramt uul		Occur.	45	39	30	93	07	30	Cu		Volcanic-hosted metasomatic polymetall Pb-Zn(Cu,Au,Ag)	4865, 5306
248		Khondlon bulag		Occur.	45	35	40	93	23	30	Cu	Pb	Volcanogenic Cu-Zn massive sulfide (Ural type)	1454, 4865, 5306
249		Ulaan		Occur.	45	27	10	93	53	30	Ni, Co	Cu, Ba	Cu-Co-sulfoarsenide-sulfosalts veins	5306

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
250		Ulaan bulag		Occur.	45	26	30	93	55	30	Ni, Co, Cu		Cu-Co-sulfoarsenide-sulfosalts veins	4865, 5306
251	03420	Shuvuun baast uul		Occur.	45	58	55	94	10	51	Cu		Volcanogenic Cu-Zn massive sulfide (Ural type)	4861, 5306
252	03588	Ikher uul		Occur.	45	55	15	94	19	50	quartzic sand		Sedimentary quartzic sand	4861, 5306
253	03430	Sumberiin khudag		Occur.	45	53	30	94	29	00	Cu		Regional metamorphism related vein Cu-Ag	4861, 5306
254	03431	Olziit uul		Occur.	45	53	05	94	26	30	Cu		Regional metamorphism related vein Cu-Ag	4861, 5306
255	04368	Khar uul		Occur.	45	49	15	94	36	25	Cu		Granitoid related veins/replacement Cu	4861, 5306
256		Togrog		Occur.	45	49	40	94	46	10	Cu		Granitoid related veins/replacement Cu	4861, 5306
257	03429	Tsagaan khairhan		Occur.	45	48	15	94	36	40	Cu		Granitoid related veins/replacement Cu	4819, 4861, 5306
258	03433	Unnamed-6 /XXIII-82-V-23/		Occur.	45	47	0	94	36	53	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4861
259	03423	Oliin khotol		Occur.	45	45	52	94	53	30	Cu		Regional metamorphism related vein Cu-Ag	4861, 5306
260	03434	Unnamed-7 /XXIII-82-G-28,29/		Occur.	45	45	40	94	57	35	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4861
261	03428	Bortyn khar		Occur.	45	44	50	94	59	10	Cu		Volcanogenic Cu-Zn massive sulfide (Ural type)	4861, 5306
262	03483	Ovoot ulaan uul		Occur.	45	55	20	94	03	30	Au		Granitoid related Au	4819, 4861, 5306
263	03421	Boorog khondii		Occur.	45	52	42	94	06	30	Au	Cu, Ag	Granitoid related Au	4861, 5306
264		Tsagaan shand		Occur.	45	52	0	94	04	10	Au	Cu	Granitoid related Au	4819, 4861, 5306
265		Tsagaan shand		Occur.	45	51	40	94	04	30	Au		Placer Au	4819, 4682, 5306
266	03496	Shar khooloi 2		Occur.	45	51	45	94	07	00	Au		Placer Au	4819
267		Shar khooloi /kharuulch tolgod/		Occur.	45	51	22	94	05	33	Au, Cu		Granitoid related Au	4819, 4861, 5306
268	03494	Boorogiin khooloi		Occur.	45	50	52	94	08	40	Au		Placer Au	4819
269	03422	Shandiin nuruu		Occur.	45	50	40	94	07	00	Cu		Granitoid related veins/replacement Cu	4861, 5306
270		Shar khooloi	Dep.***		45	50	0	94	06	0	Au		Placer Au	4819, 4682
271		Khokh jalga	Dep.***		45	50	04	94	05	00	Au		Placer Au	4682
272		Bosgyn khayaa	Dep.		45	50	0	94	07	0	Au		Placer Au	4682
273	03498	Baruun salaa		Occur.	45	50	0	94	05	10	Au		Placer Au	4819
274		Khagiin nuur		Occur.	45	48	07	94	06	07	Au		Placer Au	4819
275	03513	Ondriin bulag uul		Occur.	45	46	32	94	12	40	Au		Granitoid related Au	4861, 5306
276	03484	Burgasny gol		Occur.	45	44	40	94	11	20	Au		Placer Au	4861
277		Tsagaan chuluut		Occur.	45	44	30	94	05	30	Au		Granitoid related Au	5306



0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
278	04452	Tsakhir bulag		Occur.	45	31	0	94	58	20	Fe		Sedimentary Fe(Mn)	4861
279	04326	Olon nuuryin khudag		Occur.	45	57	30	95	23	30	Cu		Gabbroic Cu-Ni-(PGE)	4861
280	03410	Bayan khoshuu		Occur.	45	57	0	95	26	0	Cu	Au, Pb, Zn	Volcanogenic Cu-Zn massive sulfide (Ural type)	4861
281	03426	Ikhesiin khudag		Occur.	45	56	25	95	29	40	Cu		Volcanogenic Cu-Zn massive sulfide (Ural type)	4861
282	03427	Oni uul		Occur.	45	51	45	95	02	00	Cu		Cu skarn	4861
283	03298	Khar azargyn nuruu		Occur.	45	49	30	95	56	35	Ni	Co, Mn, Cr, Cu, Hf	Cu-Ni-(PGE) sulfide mafic-ultramafic related	4861
284	03461	Khuren gol		Occur.	45	46	50	95	17	45	Al	C	Sedimentary bauxite	4861
285	03408	Ulaan khad		Occur.	45	45	05	95	00	20	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4861
286	04323	Ovgon owoo uul /XXIV-83-V-7/		Occur.	45	45	40	95	02	10	Cu		Volcanogenic Cu-Zn massive sulfide (Ural type)	4861
287	04322	Nomint		Occur.	45	45	50	95	07	15	Cu		Volcanogenic Cu-Zn massive sulfide (Ural type)	4861
288	04324	Khoizyn uul /XXIV-83-V-14/		Occur.	45	45	0	95	01	25	Cu		Volcanogenic Cu-Zn massive sulfide (Ural type)	4861
289	04325	Ovgon owoo /XXIV-84-G-21/		Occur.	45	43	30	95	45	40	Cu		Volcanogenic Cu-Zn massive sulfide (Ural type)	4861
290	03603	Dunkhat uul /XXIV-84-A-12/		Occur.	45	41	40	95	34	30	asbestos		Serpentine-hosted asbestos	4861
291	00692	Guranz tolgoi		Occur.	45	40	0	95	36	0	garnet		Metamorphic garnet	4236
292	03599	Khovol khashaat		Occur.	45	39	10	95	47	00	Be		Be pegmatite	4861
293	00695	Bayan gol		Occur.	45	36	0	95	31	0	garnet		Placer garnet	4236
294	03606	Amfibol-asbestyn occurrence /XXIV-96-A-16/		Occur.	45	36	0	95	44	20	amphibole-asbestos		Serpentine-hosted asbestos	4861
295	00694	Seeriin khudag		Occur.	45	35	0	95	37	0	garnet		Placer garnet	4236
296	04450	Bor uzuur /seeriin khar uul/		Occur.	45	33	20	95	38	10	Fe	Mn, Zn, Cu	Fe skarn	4861
297	03463	Gun jalga		Occur.	45	32	50	95	42	00	W		W skarn	4861
298	00697	Khuryin del 3		Occur.	45	35	30	95	52	30	garnet		Placer garnet	1863
299	00705	Tsagaan tolgoi		Occur.	45	34	0	95	53	0	garnet		Placer garnet	1863
300		Khuryin del 1		Occur.	45	32	0	95	54	0	garnet		Placer garnet	1863
301		Khuryin del 2		Occur.	45	31	40	95	54	30	garnet		Placer garnet	1863
302	03459	Olon sairyn khudag		Occur.	45	31	0	95	51	50	sillimanite, disten	andalusite	Metamorphic disten-sillimanite-andalusite	4861
303		Altan khudag		Occur.	45	30	30	95	52	45	garnet		Metamorphic garnet	2039, 3577, 4861
304	213	Altan khudag	Dep.**		45	30	30	95	52	45	garnet		Placer garnet	2039, 3577, 4861

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
305	03581	Derstei		Occur.	45	25	0	95	15	0	garnet		Metamorphic garnet	1900
306		Salbastou		Occur.	45	19	0	90	50	0	asbestos		Serpentine-hosted asbestos	1422
307	03457	Ereen uul		Occur.	45	18	30	91	58	00	Au, Ag	Pb, Zn	Regional metamorphism related quartz-(carbonate) vein Au	4865
308	03705	Khaltar uul-2		Occur.	45	18	0	91	54	0	Au	Ag	Regional metamorphism related quartz-(carbonate) vein Au	966, 1404, 4865
309	03703	Khaltar uul-1		Occur.	45	17	0	91	53	0	Au	Zn, Ag, Cu	Regional metamorphism related quartz-(carbonate) vein Au	966, 1404, 4865
310		Olon bulgiin baruun		Occur.	45	12	0	91	12	30	Sb	Au, Ag	Au-Ag-Sb-As vein/replacements	4865
311		Olon bulag		Occur.	45	10	0	91	15	0	Sb	Au, Ag	Au-Ag-Sb-As vein/replacements	966, 4865
312	01756	Khavtag		Occur.	45	04	0	91	39	0	Fe		Volcanogenic-sedimentary Fe	4865
313	03456	Sukhait		Occur.	45	18	08	92	07	15	Ag, Pb	Zn, Au	Volcanogenic-hydrothermal-sedimentary Pb-Zn(Cu, Ag)	4865
314	03458	Olon tolgoi		Occur.	45	15	50	92	15	11	Ag, Pb	Zn, Au	Volcanogenic-hydrothermal-sedimentary Pb-Zn(Cu, Ag)	4865
315		Suul tolgoi		Occur.	45	14	40	92	00	40	Au	Ag, Fe	Regional metamorphism related quartz-(carbonate) vein Au	4865
316	03717	Nukhnii nuruu		Occur.	45	12	40	92	17	00	Ag, Pb	Zn, Au	Volcanogenic-hydrothermal-sedimentary Pb-Zn(Cu, Ag)	966, 1404, 4865
317	04195	Khuren bogdyn nuruu		Occur.	45	03	30	93	05	10	Au		Regional metamorphism related quartz-(carbonate) vein Au	4865, 5129
318	03510, 04194	Ukher chuluut uul		Occur.	45	01	0	93	10	0	Au		Regional metamorphism related quartz-(carbonate) vein Au	4865
319	04193	Khar dukh uul		Occur.	44	50	0	93	58	0	Au		Regional metamorphism related quartz-(carbonate) vein Au	5129
320	04182	Aj bogd		Occur.	44	50	0	94	58	0	Au		Regional metamorphism related quartz-(carbonate) vein Au	5129
321		Aj bogd		Occur.	44	50	0	95	30	0	morion		Miarolitic and abyssal pegmatite	1517
322		lkh gol		Occur.	44	48	0	95	07	0	crystal		Mountain crystal bearing veins	1517, 1696
323		Yamaan us		Occur.	44	43	0	95	37	0	crystal		Miarolitic and abyssal pegmatite	1696
324		Zuslan gol		Occur.	44	41	0	95	24	0	morion		Miarolitic and abyssal pegmatite	1696
325	00698	Derst		Occur.	44	37	56	95	40	20	garnet		Placer garnet	1863
326	00699	Maltush		Occur.	44	34	10	95	58	50	garnet		Placer garnet	1863

Explanation: \*\*\*- Deposits in operation; \*\*- Deposits mined out, but there is small amount of reserves; \*- Deposits mined out; \*- Occurrences with small ancient openpits on surface.

### Mineral Deposits and Occurrences in the Sheet L - 46

(Fuel Resources, Gemstones, Silica Resources, Continental Lake Evaporates, Mineral Pigments,  
Minerals and Rocks for Construction Uses)

1:200000 Scale sheet	No.	Number in L - 46	Passport number	Name of Deposit and Occurrence	Deposit	Occur- ence	Location						Major Mineral Resources	Minor Mineral Resources	Mineral Resources Group	Information Sorces (Open File Report number in GIC)
							latitude			longitude						
							deg.	min.	sec.	deg.	min.	sec.				
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
I	1	327	00265	Unnamed		Occur.	47	52	00	90	43	00	Clay		Minerals and Rocks for Construction Uses	4100
	2	328		Unnamed		Occur.	47	49	00	90	35	00	Hard coal		Fuel resources	4496;
	3	329	2024	Rashaantyn gil	Dep**		47	48	00	90	30	00	Hard coal		Fuel resources	3032; 4496;
	4	330	00264	Unnamed I - II - 4-1		Occur.	47	45	00	90	57	00	Clay		Minerals and Rocks for Construction Uses	4100
	5	331		Unnamed		Occur.	47	38	40	90	40	50	Gravel		Minerals and Rocks for Construction Uses	5381
II	6	332	00263	Unnamed II-I-II-1		Occur.	47	59	30	91	23	20	Decorative stone (marble)		Minerals and Rocks for Construction Uses	4100
	7	333	00798	Buyant gol	Dep		47	59	35	91	35	35	Gravel and Sand		Minerals and Rocks for Construction Uses	2349, 4496;
	8	334	836	Maihan uul	Dep		47	57	00	91	43	00	Grashed stone (diorite)		Minerals and Rocks for Construction Uses	3292, 4669,
	9	335		Khovd gol	Dep		47	57	00	91	46	00	Limestone		Minerals and Rocks for Construction Uses	2081; 2349; 4496
	10	336	00347	Unnamed, VIII		Occur.	47	34	00	91	46	00	Limestone		Minerals and Rocks for Construction Uses	2081
	11	337	00346	Unnamed, VII		Occur.	47	21	00	91	54	00	Limestone		Minerals and Rocks for Construction Uses	2081
	12	338	00685	Khoit tsenheriin agui		Occur.	47	20	00	91	52	00	Decorative stone (marble)		Minerals and Rocks for Construction Uses	1863
III	13	339	354	Unnamed L-46-IX		Occur.	47	57	00	92	32	00	Limestone		Minerals and Rocks for Construction Uses	2081
III	14	340	03763	Chandmany		Occur.	47	43	20	92	47	30	Hard coal		Fuel resources	2081; 2767, 3681; 4496
	15	341		Uush uul		Occur.	47	38	00	92	18	00	Brown coal		Fuel resources	1765; 4496
	16	342		Jargalant	Dep**		47	29	40	92	33	00	Brown coal		Fuel resources	53, 54, 120, 392, 4942

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
III	17	343	2006	Zulegt	Dep***		47	29	10	92	36	00	Brown coal		Fuel resources	1514, 2767, 3681, 4496, 4942
	18	344	03590	Zost tolgoi (III-18-Г-7)		Occur.	47	28	45	92	44	45	Pigments, Iron Oxide		Mineral Pigments	4942
IV	19	345	936	Ikh san nuur	Dep		47	57	23	93	21	30	Salt	Sodium Sulfate Resources	Continental Lake Evaporate	3884
	20	346	05220	Ulaan san nuur		Occur.	47	57	00	93	22	00	Sodium sulfate resources		Continental Lake Evaporate	3884
	21	347	05221	Baga nuur		Occur.	47	45	00	93	42	00	Soda Ash		Continental Lake Evaporate	3884
	22	348	935	Tsoohor nuur	Dep		47	37	22	93	48	35	Salt	Sodium Sulfate Resources	Continental Lake Evaporate	2584, 4496
IX	23	349		Khuurai tsenheriin gol		Occur.	47	09	30	92	07	30	Limestone		Minerals and Rocks for Construction Uses	4942
	24	350	2039	Gants mod	Dep**		47	03	00	92	31	00	Hard coal		Fuel resources	1804, 2767, 3681, 4496, 4942
	25	351	04539	Rashaany urd hamar		Occur.	47	02	50	92	34	10	Hard coal		Fuel resources	4942
	26	352		Zereg		Occur.	47	03	45	92	46	00	Limestone		Minerals and Rocks for Construction Uses	4942
	27	353	05057	Tsagaan had		Occur.	46	59	30	92	38	30	Hard coal		Fuel resources	3881, 4496, 4942
	28	354		Baataryn havtsal		Occur.	47	00	00	92	50	00	Hard coal		Fuel resources	4496
	29	355		Khoeh hamar (Moest)		Occur.	46	57	00	92	34	00	Hard coal		Fuel resources	1514, 4496
IX	30	356	04540	Nuerstein am		Occur.	46	54	30	92	53	30	Hard coal		Fuel resources	4942
	31	357	932	Davst nuur	Dep***		46	46	30	92	18	29	Salt		Continental Lake Evaporate	3958, 4669
	32	358		Tsagaan hooloi (Tsagaantolgoi)		Occur*.	46	48	00	92	48	00	Clay		Minerals and Rocks for Construction Uses	4942
	33	359	03609	Zost tolgoi		Occur.	47	16	30	93	43	00	Colored Pigments Clay		Minerals and Rocks for Construction Uses	4861
	34	360	05053	Baataryn nuruu		Occur.	46	50	00	93	17	00	Hard coal		Fuel resources	963, 3151, 4496
	35	361		Tsagaanchuluut		Occur.	46	53	00	93	18	00	Hard coal		Fuel resources	963, 3151

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
X	36	362	2008	Khoeshoet	Dep***		46	48	48	93	19	20	Hard coal		Fuel resources	2993, 3151, 4496, 4861
	37	363	04541	Tsagaan aryn davaa		Occur.	46	49	10	93	21	45	Hard coal		Fuel resources	4861
	38	364	04622	Khoeshoetiin gol		Occur.	46	44	30	93	26	40	Hard coal		Fuel resources	4861
	39	365	03762	Dariv		Occur.	46	46	00	93	43	00	Hard coal		Fuel resources	2767,3151, 4496,4861
	40	366	928	Tsetseg	Dep		46	42	00	93	14	40	Sodium sulfate resources	Epsomite	Continental Lake Evaporate	1936, 4496
XI	41	367	03610	Khilengiin tolgod		Occur.	47	18	55	94	44	10	Nephrite		Gemstone	4861
XII	42	368	02643	Doeroe nuur		Occur*.	47	16	50	95	42	10	Salt		Continental Lake Evaporate	4861
	43	369	04566	Oeliin davaa		Occur.	47	08	00	95	17	00	Limestone		Minerals and Rocks for Construction Uses	4861
	44	370	102	Bayan uul	Dep		46	56	00	95	15	00	Clay		Minerals and Rocks for Construction Uses	4861
	45	371	04594	Alag shoroot		Occur.	46	55	35	95	13	10	Brown coal		Fuel resources	4861
	46	372	05055	Yalaat hudag		Occur.	46	53	18	95	24	25	Brown coal		Fuel resources	3151, 4496
	47	373	03614	Unnamed ( L-46-A-1 )		Occur.	46	58	00	95	40	00	Agate		Gemstone	4861
	48	374	2025	Tsahiurt urt	Dep**		46	57	55	95	40	35	Brown coal		Fuel resources	1363, 4496, 4861
XII	49	375	03608	Alag shoroot		Occur.	46	55	40	95	42	50	Colored Pigments Clay		Mineral Pigments	4861
	50	376	04591	lkh bulgiin oroi uul		Occur.	46	43	50	95	42	50	Peat		Fuel resources	4861
XIV	51	377		Ar tsahir		Occur.	46	28	20	91	59	31	Listvenite		Gemstone	5158
XIV	52	378	987, 099	Us nuurn am	Dep**		46	08	00	91	25	00	Gravel and sand		Minerals and Rocks for Construction Uses	4669
	53	379		Burenhairhan		Occur.	46	07	00	92	35	00	Sand		Minerals and Rocks for Construction Uses	3504, 4669
	54	380		Zagiin ulaan		Occur.	46	04	00	91	36	00	Sand		Minerals and Rocks for Construction Uses	3504, 4669
	55	381	05625	Kharuulyn ovoo		Occur.	46	08	50	91	46	56	46	Limestone		Minerals and Rocks for Construction Uses
	56	382		Unnamed (53-B-39)		Occur.	46	26	20	92	00	10	Limestone		Minerals and Rocks for Construction Uses	5158

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
XV	57	383		Bayan am		Occur.	46	23	55	92	27	00	Serpentenite		Minerals and Rocks for Construction Uses	<b>5158</b>
	58	384	107	Tsagaan cnuluut	Dep		46	09	55	92	16	30	Limestone		Minerals and Rocks for Construction Uses	4669
	59	385		Shavryn us		Occur.	46	07	00	92	23	35	Almandine (Placer and Hard Rock)		Gemstone	<b>4918</b>
XVI	60	386	04538	Sutai uul		Occur.	46	38	30	93	35	00	Hard coal		Fuel resources	<b>4861</b>
	61	387		Shovgor tsahir		Occur.	46	21	50	93	51	00	Serpentenite		Gemstone	<b>4861</b>
	62	388	05105	Khulmyn nuur		Occur.	46	11	25	93	33	50	Salt	Sodium Sulfate Resources	Continental Lake Evaporate	<b>4861</b>
	63	389	03607	Tonhil nuur		Occur.	46	12	00	93	54	00	Salt	Epsomite and Sodium Sulfate Resources	Continental Lake Evaporate	<b>1936, 4861</b>
XVII	64	390		Bayantsagaan uul		Occur.	46	32	00	94	41	00	Decorative stone (marble)		Minerals and Rocks for Construction Uses	<b>2584</b>
	65	391		Argalt tolgoi		Occur.	46	38	50	94	50	50	Agate		Gemstone	<b>4861</b>
	66	392	05056	Khar tolgoiin hudag		Occur.	46	38	30	94	49	40	Brown coal		Fuel resources	<b>1556, 3151, 4496, 4861</b>
XVII	67	393		Otsongiin hudag		Occur.	46	36	00	94	56	00	Decorative stone (granite)		Minerals and Rocks for Construction Uses	2584
XVIII	68	394	04624	Khulih		Occur.	46	34	40	95	09	30	Brown coal		Fuel resources	<b>4861</b>
	69	395	03612	Khoit shargyn gol		Occur.	46	31	40	95	29	30	Marble onyx		Gemstone	<b>4861</b>
	70	396	05059	Shargyn govi		Occur.	46	31	40	95	33	10	Brown coal		Fuel resources	<b>1556, 3151, 4496, 4861</b>
XVIII	71	397		Dund shargyn gol		Occur.	46	34	00	95	40	00	Decorative stone (marble)		Minerals and Rocks for Construction Uses	<b>2584</b>
	72	398		Dund shargyn gol		Occur.	46	31	00	95	42	00	Peat		Fuel resources	<b>2584</b>
	73	399	04567	Shargyn gol		Occur.	46	30	00	95	56	00	Limestone		Minerals and Rocks for Construction Uses	<b>4861</b>
	74	400		Bayan gol		Occur.	46	22	00	95	20	00	Peat		Fuel resources	<b>2584, 4496</b>
	75	401	05370	Shargyn tsagaan nuur		Occur.	46	16	00	95	01	30	Sodium sulfate resources	Epsomite and Salt	Continental Lake Evaporate	<b>1936, 4861</b>
	76	402		Bayan gol	Dep		46	18	00	95	05	00	Clay		Minerals and Rocks for Construction Uses	<b>4861</b>
	77	403	809	Urtyn huruu	Dep		46	21	00	95	32	00	Sand		Minerals and Rocks for Construction Uses	<b>3504, 4669</b>

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	78	404		Shargyn gol		Occur.	46	09	30	95	30	15	Salt		Continental Lake Evaporate	4861
XX	79	405	599, 108	Tsagaan tunge	Dep		45	51	45	91	47	40	Clay		Minerals and Rocks for Construction Uses	3504
XXII	80	406	931	Yolhon nuur	Dep		45	35	24	92	18	50	Salt		Continental Lake Evaporate	4861
	81	407		Unnamed 36	XXII	Occur.	45	26	00	93	55	00	Colored Pigments	Clay	Эрдсийн будаг	4942
XXIII	82	408		Amttai nuur		Occur.	45	55	10	94	01	00	Salt		Continental Lake Evaporate	4861
	83	409		Iher uul		Occur.	45	55	15	94	19	50	Quartzic sandstone		Silica Resources	4861, 5306
XXIII	84	410		Tsagaanhairhan		Occur.	45	53	00	94	31	00	Limestone		Minerals and Rocks for Construction Uses	2584
	85	411	04577	Dalan tuerue		Occur.	45	58	40	94	41	20	Clay		Minerals and Rocks for Construction Uses	4861
	86	412		Maanit	Dep***		45	47	00	94	44	00	Hard coal		Fuel resources	2001, 3151, 4496
	87	413	04556	Naihantolgoi		Occur.	45	40	50	94	49	50	Tremolite		Gemstone	4861
	88	414	04557	Ulaanhairhan		Occur.	45	34	40	94	42	50	Decorative stone (granite)		Minerals and Rocks for Construction Uses	4861
XXIV	89	415	04569	Mandalyn ovoo		Occur.	45	58	00	95	15	00	Decorative stone (marble)		Minerals and Rocks for Construction Uses	4222
	90	416	05104	Tsahir hudag		Occur.	45	51	00	95	20	00	Hard coal		Fuel resources	2584.4496
	91	417	04546	Tsangilahyn am		Occur.	45	51	55	95	23	50	Hard coal		Fuel resources	4861
	92	418	03611	Bor gol		Occur.	45	56	20	95	39	00	Agate		Gemstone	4861
	93	419	05058	Uertiin gol		Occur.	45	49	00	95	06	00	Hard coal		Fuel resources	1420
XXIV	94	420	2007	Khuren gol	Dep***		45	46	50	95	17	45	Hard coal		Fuel resources	3151, 3687, 4496, 4861
	95	421	04545	Toenboej uul		Occur.	45	43	00	95	19	50	Hard coal		Fuel resources	4861
	96	422	04544	Khueshiin bulag		Occur.	45	45	10	95	31	40	Hard coal		Fuel resources	4861
	97	423	04623	Khujirtyn gol		Occur.	45	42	40	95	34	00	Hard coal		Fuel resources	4861
	98	424	04543	Salaa gol		Occur.	45	48	10	95	52	30	Hard coal		Fuel resources	4861
	99	425	04542	Tsagaan chuluutyn am		Occur.	45	49	00	95	58	10	Hard coal		Fuel resources	4861
	100	426	00705	Tsagaantolgoi		Occur.	45	34	00	95	53	00	AlmandOne (Placer)		Gemstone	1863
	101	427		Altan hudag		Occur.	45	30	30	95	52	45	Almandine (Hard Rock)		Gemstone	1863, 2039, 3577, 4861

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	102	428	213	Altan hudag	Dep		45	30	00	95	52	00	Almandine (Placer )		Gemstone	1863, 2039, 3577, 4861
	103	429		Ongots tolgoi	Dep*		45	30	00	95	52	30	Precious Epidote		Gemstone	2039, 3577, 4496, 4669
XXVI	104	430	2075	Olonbulag	Dep***		45	10	00	91	18	00	Hard coal		Fuel resources	3002, 3151,4496
XXVII	105	431		Gurvan tungiin hudag		Occur.	45	06	00	93	42	00	Hard coal		Fuel resources	4752
XXIX	106	432	933	Alag nuur	Dep		45	09	56	94	26	10	Salt		Continental Lake Evaporate	3884, 3958, 4669
XXX	107	433	934	Leg toehoem nuur	Dep		45	08	45	95	30	19	Sodium sulfate resources	Epsomite	Continental Lake Evaporate	4669
	108	434		Toliin am		Occur.	44	45	00	95	07	00	Brown coal		Fuel resources	4752
XXXVI	109	435		Kharyn shand		Occur.	44	25	00	95	41	00	Brown coal		Fuel resources	4752

Explanation: Dep\* - Deposit is exploited  
 Dep\*\*- Deposit has been exploited, but the are estimated Reserves  
 Dep\*\*\* - Deposit is in operation  
 Occur\* - Occurrence without estimated Reserves, but is exploited from the Surface.  
 Passport No: 394 - Deposit passport,  
 04544 - Occurrence passport

Numbers of Deposits and Occurrences are red in the "Distribution Map of Mineral Deposits and Occurrences in Mongolia" at the Scale of 1:1,000,000.



# MINERAL DEPOSITS AND OCCURRENCES OF MONGOLIA

L-47  
 Scale 1:1 000 000

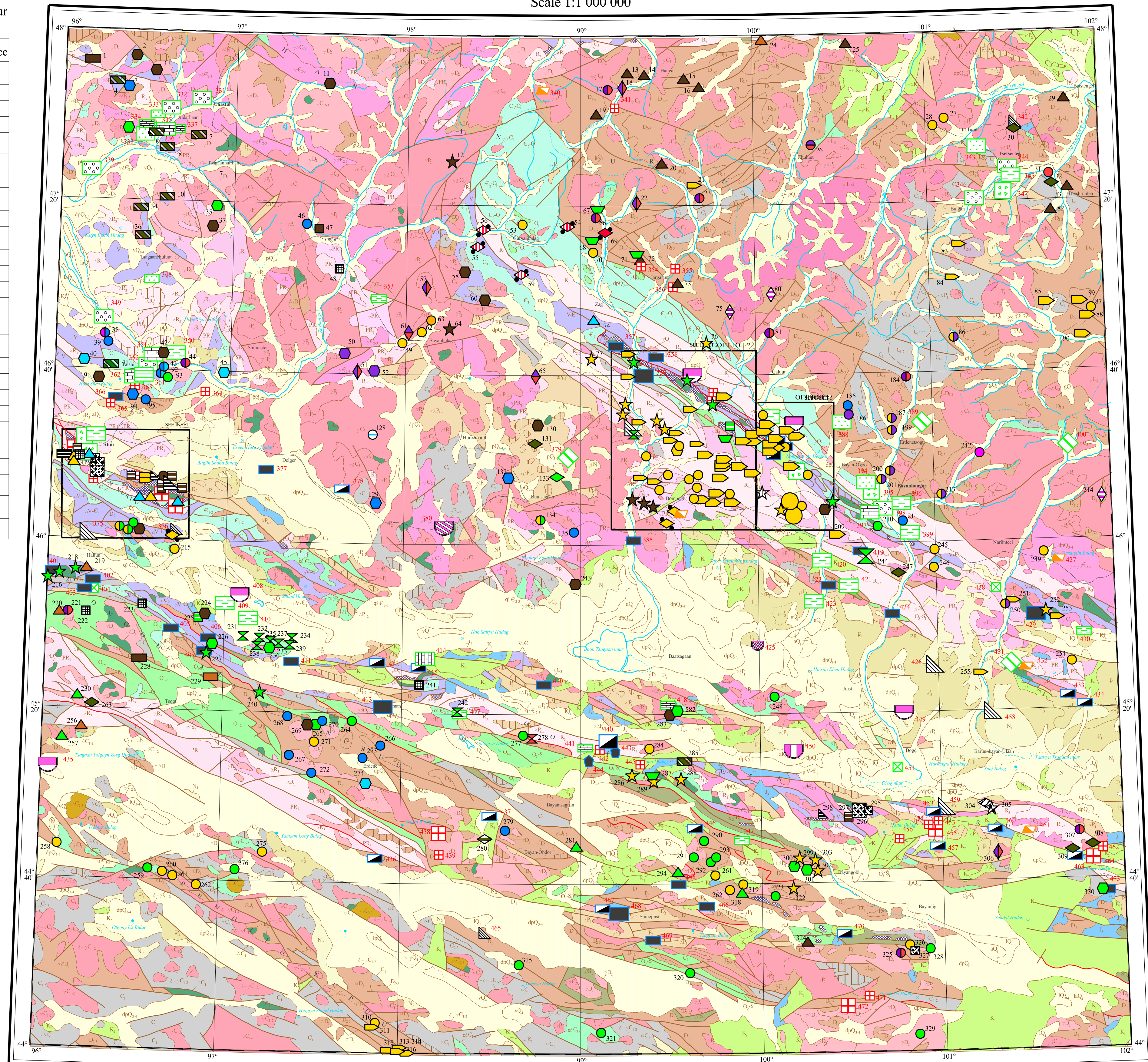
LEGEND  
 L-47

A. Metals, Asbestos, Talk, Barite, Fluorite, Pyrophyllite, Phosphate, Gypsum, Graphite, Sillimanite, Magnesite

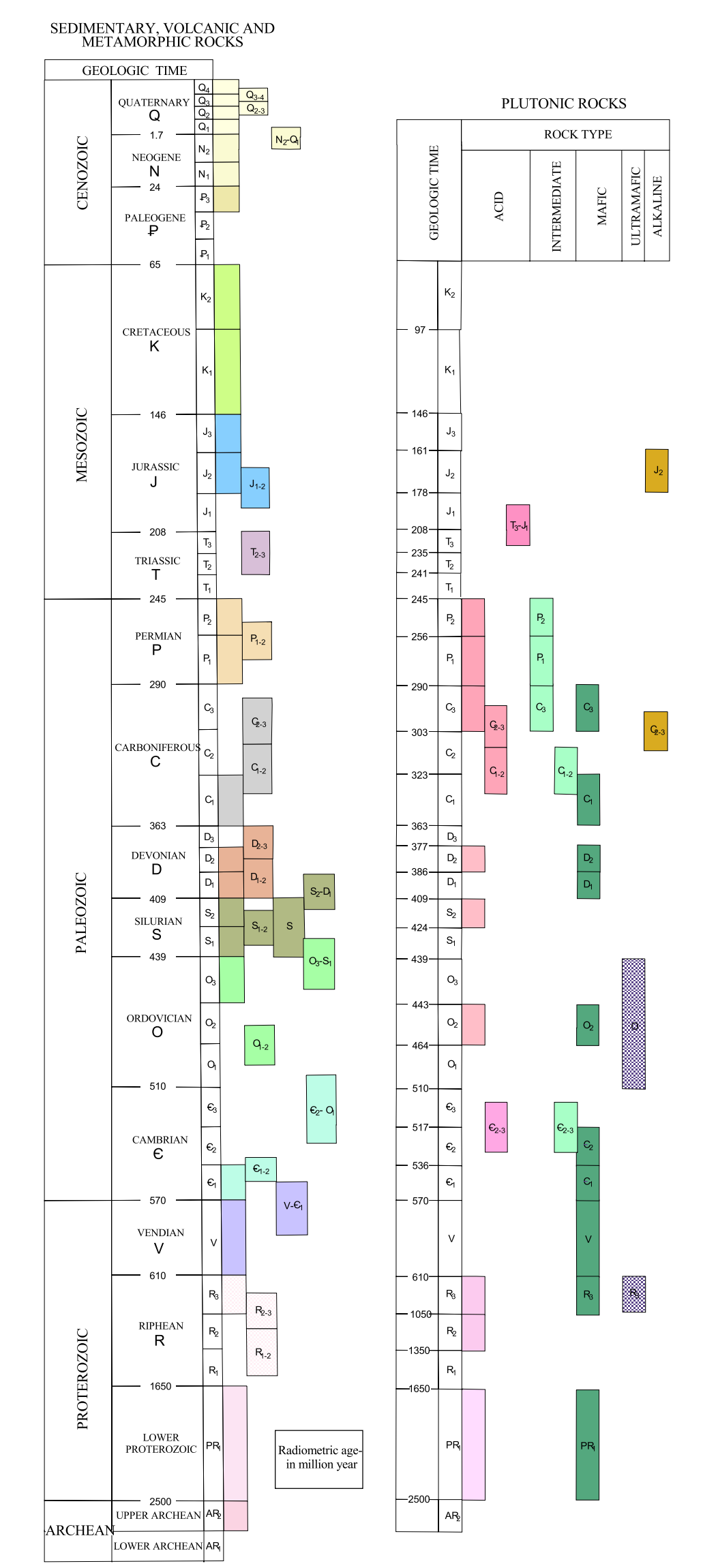
Deposit Type	Deposit	Occurrence
<b>1. Deposits related to Mafic and Ultramafic Rocks</b>		
1 Zoned mafic-ultramafic Ti-Fe		
2 Magmatic podiform Cr		
3 Cu-Ni-(PGE) sulfide mafic-ultramafic related		
4 Serpentine-hosted asbestos		
5 Ultramafic hosted talk metamattite		
<b>2. Deposits related to Marine Felsic-Mafic Extrusive Rocks</b>		
6 Cyprus type Cu-Zn massive sulfide		
7 Volcanogenic Cu-Zn massive sulfide (Ural type)		
8 Volcanogenic-sedimentary Fe		
9 Volcanogenic-sedimentary Mn		
10 Volcanogenic-associated massive sulfide Au		
<b>3. Deposits related to Subaerial Extrusive Rocks &amp; Dyke Complexes</b>		
11 Epithermal kaolinite-alunite type Au		
12 Classic sediment-hosted Hg		
13 Classic sediment-hosted Sb		
14 Epithermal vein-replacement fluorite		
15 Barite veins		
16 Basaltic Cu		
17 Volcanogenic metamattite pyrophyllite		
<b>4. Stratiform &amp; Stratabound Deposits in sedimentary rocks</b>		
18 Sandstone-hosted Cu		
<b>5. Deposits related to Calc-Alkaline &amp; Alkaline Granitic Intrusions</b>		
<b>5.1. Pegmatite, Greisen &amp; Alkaline metamattite Deposits</b>		
19 Sn pegmatite		
20 W-Mo-Be greisen		
21 W-Mo greisen		
<b>5.2. Skam Deposits</b>		
22 Fe(Cu, Au, W, Sn) skam		
23 Fe-Zn skam		
24 Cu(Fe, Au, Ag, Mo) skam		
25 Pb-Zn(Ag, Cu, W, Fe) skam		
26 W(Mo, Fe, Cu) skam		
27 Au(Cu, Ag, Fe) skam		
<b>5.3. Porphyry &amp; Granitic Pluton-hosted Deposits</b>		
28 Porphyry Mo(Cu, W, Sn, Bi, Ag)		
29 Porphyry Cu(Au, Ag)		
<b>5.4. Granitoid Related vein, stockwork, metamattite deposits</b>		
30 Granitoid related Au		
31 Granitoid related Au-Ag-Cu		
32 Granitoid related Au-W-Mo		
33 Granitoid related stockwork/metamattite Cu		
34 W(Mo) veins and stockwork		
35 Mo(W) veins and stockwork		
36 W(Mo) veins and stockwork		
37 W-Mo-Be veins and stockwork		
38 Sn(W) veins		
39 Sn-polymetallic veins		
40 Vein/replacement Ag-Pb-Zn		
41 Vein/replacement Pb-Zn		
42 Tantalite granite		
43 Granitoid related vein/stockwork Bi		
44 Granitoid related vein/metamattite Fe		
<b>7. Sedimentary Mineral Deposits</b>		
45 Sedimentary Fe (Mn)		
46 Sedimentary Mn (Fe)		
47 Sedimentary phosphate		
48 Sedimentary gypsum		
<b>8. Deposits Related to Metamorphosed Rocks</b>		
49 Banded iron formation (BIF)		
50 Quartz-(carbonate) vein Au		
51 Vein Cu-Au		
52 Metamorphic graphite		
53 Metamorphic distep-(staurolite) andalusite-sillimanite		
<b>9. Deposits Related to Surficial Process</b>		
54 Placer Au		
55 Placer chromate		
56 Weathering crust magnesite		

B. Fuel Resources, Gemstones, Silica Resources, Continental Lake Evaporates, Mineral Pigments, Sulfur Resources, Minerals and Rocks for Construction uses

Mineal Resources	Deposit	Occurrence
<b>1. Fuel Resources</b>		
1 Brown coal		
2 Hard coal		
3 Oil shale		
<b>2. Gemstones</b>		
4 Amethyst, nephrite, jadeite, colored quartz, chalcedony, agate, jasper, serpentine, colored maric		
<b>3. Silica Resources</b>		
5 Silica Specialty Materials (vein Quartz, Quartzic sand stone)		
<b>4. Continental Lake Evaporates</b>		
6 Salt or Halite		
7 Halite and Sodium Sulfate Resources		
8 Sodium Sulfate Resources		
<b>5. Mineral Pigments</b>		
9 Pigments, different colored clays		
<b>6. Minerals and Rocks for Construction uses:</b>		
10 Clays		
11 Sand		
12 Sand and gravel		
13 Clayey shale		
14 Limestone		
15 Dolomite		
16 Chalk		
17 Volcanic cinders and Pumice		
18 Stone Decorative (granite, syenite, marble, plagioclastic)		
19 Crushed Stones (sandstone, basalt, granitic, pyroxenite)		



## LEGEND FOR GEOLOGY



**GENETIC TYPES OF QUATERNARY DEPOSITS**

a- alluvial p- proluvial  
 l- lake dp- proluvial-talus  
 al- alluvial-lake v- collum  
 g- lake-alluvial la- lake-alluvial

**VOLCANIC AND SUBVOLCANIC ROCKS**

Mafic: β - basalt, ββ - diabase, dolerite, τβ - trachybasalt  
 Intermediate: αβ - andesitebasalt, ταβ - andesite  
 Felsic: λ - dacite, rhyolite, quartz porphyry, τλ - andesiodacite, trachyhydacite, τλ - trachydacite, trachyhyolite

**PLUTONIC ROCKS AND COMPLEXES**

Ultramafic: δ - dunite, peridotite, serpentinite melange  
 Mafic: δδδ - ultrabasic-basaltic layered series, γ - gabbro-gabbroanorthite, γγ - gabbrodiorite  
 Intermediate: δγ - dioritic, αδβ - quartz diorite  
 Felsic: δγ - dioritic-granitic complex, γδγ - granodiorite, tonalite, plagiogranite, granite, leucogranite, γγ - granosyenitic, quartz syenite, subalkaline granite, γγ - granite-granosyenitic complex, γγ - syenite, Alkaline: δγγ - alkaline granite

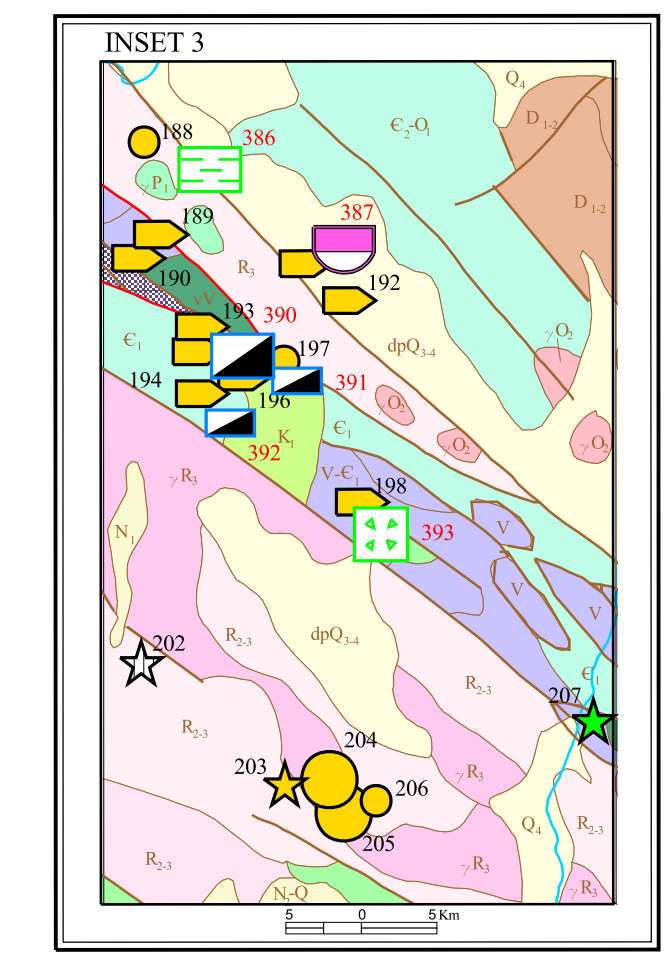
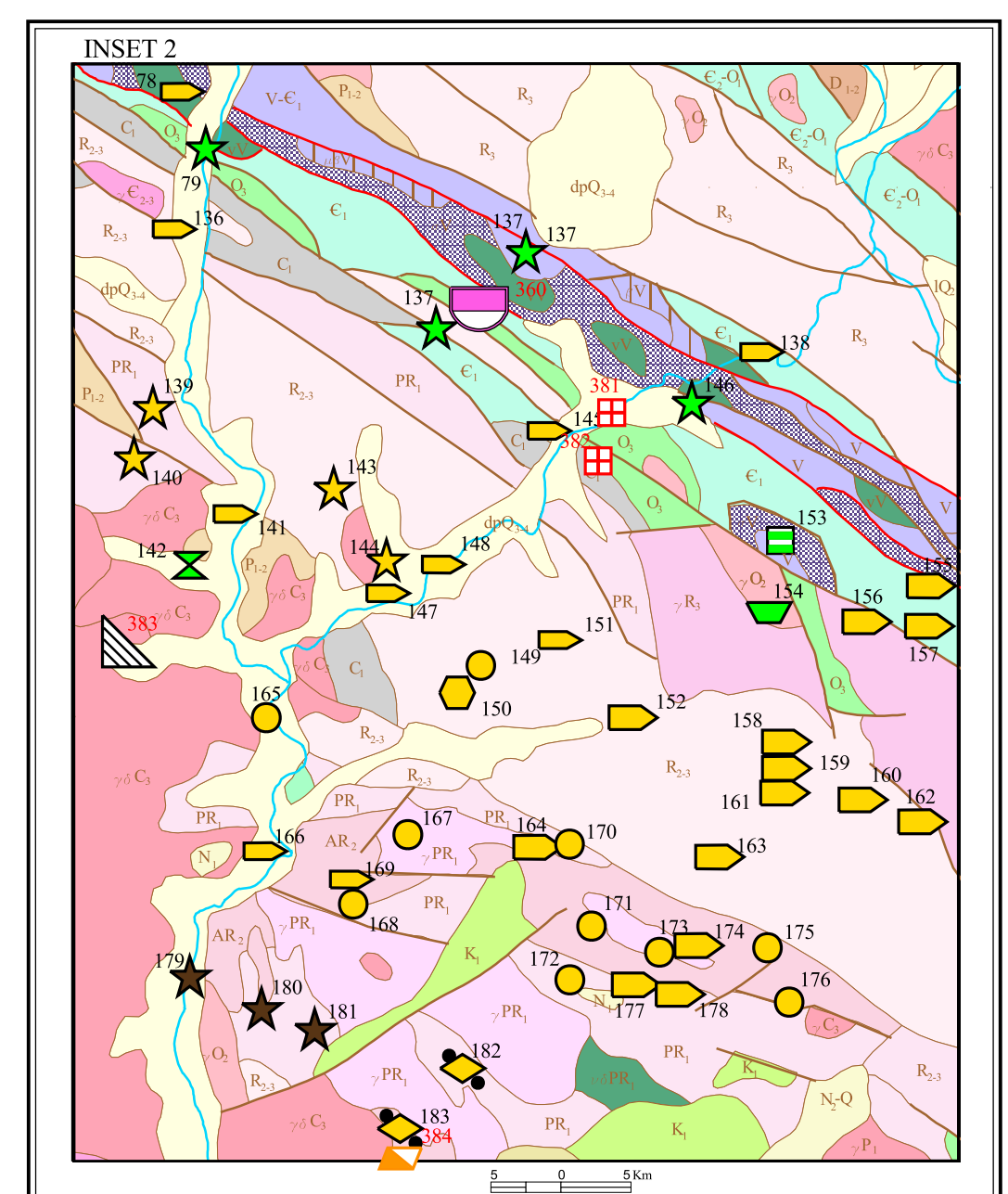
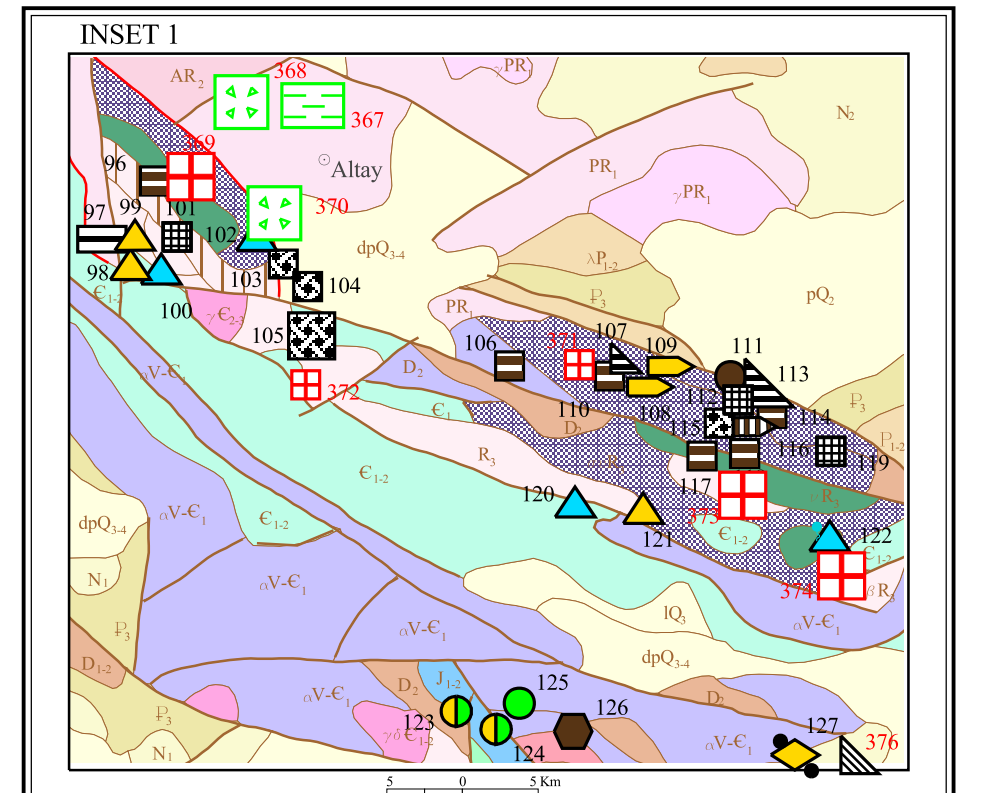
**OTHER SYMBOLS**

Subvolcanic bodies  
 Faults (normal, strike-slip and of an undetermined genesis)  
 Important thrusts  
 Geologic boundary  
 Facies boundary  
 Volcanic cone  
 provincial capital  
 villages  
 lakes  
 rivers  
 road

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Projection: Transverse Mercator  
 Spheroid: Kravosky

Mineral deposits and occurrences compiled from Open File Reports of the Geological Information Center of MRRAM, by **Batlogoh Enhtuya**,  
 Digital cartography by Bold Zai Geological Information Center, MRRAM 2001.  
 Geology from Geological Map of Mongolia at scale 1:1,000,000 compiled in 1999 by: G. Badarch, Ts. Makhbador, D. Orolmaa, P. Khosbayar, O. Tomartogoo; Institute of Geology and Mineral Resources, Academy of Sciences of the Mongolia.  
 Printed by Geological Information Center of MRRAM in 2002. Ulaanbaatar



**Metals & Industrial Minerals Deposits & Occurrences in the Sheet L-47**  
*Compiled by Battogtohin Enkhtuya*

Number in the L-47 sheet	Passport number in GIC	Deposit and occurrence name	Dep.	Occur.	Location						Major commodity	Minor commodity	Deposit type	Data source: Open File Report number in GIC, Mongolia
					Latitude			Longitude						
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1		Tsakhir Uul		Occur.	47	52	40	96	10	00	Fe	Mn, Cu, Ag	Sedimentary Fe	3576
2		Uliastai		Occur.	47	54	00	96	24	00	Fe		Fe skarn	3576
3	01420	Uushgiin davaa		Occur.	47	51	00	96	32	00	Fe	Sn	Fe skarn	3576
4		Alagyn davaa		Occur.	47	48	00	96	19	00	Phosphorites		Sedimentary phosphate	4669
5		Nergui		Occur.	47	47	00	96	22	00	Zn, Pb	Cu, Cd, Ag	Zn-Pb skarn	3576
6	01418	Bogdyn gol		Occur.	47	37	00	96	34	00	Phosphorites		Sedimentary phosphate	4747
7		Ilrel		Occur.	46	39	00	96	49	00	Phosphorites		Sedimentary phosphate	4669
8		Nergui (Aldarhaan)		Occur.	47	37	00	96	22	00	Cu	Ag, Zn, Pb	Cu skarn	1420, 3576
9		Buural Uul		Occur.	47	33	00	96	37	00	Phosphorites		Sedimentary phosphate	4669
10		Nergui		Occur.	47	21	00	96	37	00	Phosphorites		Sedimentary phosphate	3557
11	01418	Bogdyn Arshaan		Occur.	48	48	00	97	32	00	Fe	Sn	Fe skarn	1755, 4747
12	01415	Bayanbulag		Occur.	47	30	45	98	15	10	Fe	Mn	Banded iron formation (BIF)	2674
13	05675	Delgerengui Uul		Occur.	47	51	00	99	16	5	Fe	Mn	Volcanogenic-sedimentary Fe	4421
14	01416	Knangai		Occur.	47	51	00	99	22	00	Fe	Mn	Volcanogenic-sedimentary Fe	1755
15	00777	Zoogiin		Occur.	47	50	00	99	36	00	Fe		Volcanogenic-sedimentary Fe	4421
16	01417	Buduun		Occur.	47	48	00	99	41	00	Fe		Volcanogenic-sedimentary Fe	1755, 4421
17	03687	Khets dorolj		Occur.	47	47	30	99	9	5	W	Mo	W-Mo veins	4421
18		Knets dorolj		Occur.	47	48	00	99	14	0	W		W-Mo greisen	4421
19	01414	Jalga Uul		Occur.	47	41	30	99	5	30	Fe	Mn	Volcanogenic-sedimentary Fe	4421
20	03503	Khoh davaany gol		Occur.	47	29	40	99	28	00	Fe	Mn	Volcanogenic-sedimentary Fe	4421
21	00779	Boorogiin davaa		Occur.	47	25	00	99	39	00	Au		Placer Au	4421
22	01214	Khoh nuur		Occur.	47	20	10	99	19	05	W	Mo	W-Mo greisen	4421
23	00776	Ulaan uul		Occur.	47	22	00	99	40	00	W	Mo	W-Mo veins	4421
24	05676	Daakhyn gol		Occur.	47	59	00	100	3	00	Mn	Fe	Volcanogenic-sedimentary Mn	4417

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
25	01413	Khalzangiin davaa		Occur.	47	58	00	100	33	00	Fe	Mn	Volcanogenic-sedimentary Fe	4417
26	05677	Bargintolgoi		Occur.	47	34	10	100	19	30	Be	Mo, Au, W	W-Mo-Be veins and stockworks	4417
27	05568	Mongot 1		Occur.	47	39	36	101	6	00	Au	Ag, Bi, As, Sb	Granitoid related Au	4417
28		Mongot 2		Occur.	47	38	00	101	2	00	Au	Ag, Bi, As, Sb	Granitoid related Au	4417
29	01410	Mongon Uhmал		Occur.	47	44	4	101	48	30	Fe	Mn	Volcanogenic-sedimentary Fe	4415, 4752
30	03518	Shivert Rashaan		Occur.	47	37	00	101	31	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	655
31	01349	Ondor Ulaan		Occur.	47	26	00	101	42	00	Mo	Pb	Mo veins and stockworks	655
32	04704	Ondor Ulaan Omnot		Occur.	47	24	00	101	43	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	655
33	01411	Tomortolgoi		Occur.	47	23	00	101	48	00	Fe	Mn	Volcanogenic-sedimentary Fe	1831
34		Baruun-Arts		Occur.	47	18	00	96	28	00	Phosphorites		Sedimentary phosphate	1420, 4186
35		Tomortoin khondii		Occur.	47	19	00	96	54	00	Cu	Zn, Pb, Ag	Cu skarn	3572
36		Zuun Arts		Occur.	47	12	00	96	29	00	Phosphorites		Sedimentary phosphate	4186
37		Tomortoin khondii		Occur.	47	14	20	96	53	00	Fe		Fe skarn	4186
38	05663	Chavgants Ovoo		Occur.	46	48	00	96	16	00	Pb	Sn, Ag, Zn, Cd	Sn-polymetallic veins	4186
39		Chavgants Ovoo		Occur.	46	47	00	96	17	00	Zn	Pb, Ag, Cd	Granitoid related vein/replacement Pb-Zn	4186
40	03667	Sharbulag		Occur.	46	42	00	96	10	00	Fe	Zn	Fe-Zn skarn	1420
41		Bayangol		Occur.	46	41	00	96	19	00	Phosphorites		Sedimentary phosphate	4669
42	01408	Zabhan		Occur.	46	44	00	96	37	00	Fe		Fe skarn	4186
43	01503	Taishir		Occur.	46	41	00	96	37	00	Ag, Pb, Zn	Cd, Mo	Granitoid related vein/replacement Ag-Pb-Zn	4186
44	01368	Ulaan Khadan Nuruu		Occur.	46	42	00	96	44	00	W, Mo		W-Mo veins and stockworks	4186
45		Nergui		Occur.	46	40	00	97	0	00	Fe-Zn	Pb, Ag	Fe-Zn skarn	4186
46		Nergui		Occur.	47	15	00	97	25	00	Pb		Granitoid related vein/replacement Pb-Zn	4186
47	05603	Yamaat		Occur.	47	16	00	0	30	00	Fe, Ti, V		Zoned mafic-ultramafic Ti-Fe	4313
48		Tansagiin		Occur.	47	5	00	97	36	00	Talc		Ultramafic-hosted talc metasomatite	1752
49	05669	Unegtiin		Occur.	46	48	00	98	0	00	Au		Granitoid related Au	1752, 4313
50		Baldanishiin khonkhor		Occur.	46	45	00	97	38	00	W	Mo	W skarn	4313
51	01364	Zadgaibulag		Occur.	46	41	00	97	43	00	W	Mo	W-Mo greisen	4313
52		Zadgaibulag		Occur.	46	41	00	97	49	00	W	Cu	W skarn	4313
53	05670	Khudriin ilrel 1-7-26		Occur.	47	15	40	98	39	21	Au	Ag	Granitoid related Au	4313

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
54	01406	Metegiin owoo		Occur.	47	15	00	98	56	00	Sb		Clastic sediment-hosted Sb	4313
55	03697	Arhoviin Am		Occur.	47	10	00	98	25	00	Sb		Clastic sediment-hosted Sb	4313
56	05679	Urt Am		Occur.	47	14	00	98	27	00	Sb		Clastic sediment-hosted Sb	4313
57		Bayanhairhan		Occur.	47	1	00	98	6	00	W, Mo	Ta, Nb	W-Mo greisen	4313
58		Biluutiingol		Occur.	47	5	00	98	20	00	Fe	Sn, W, Cu	Fe skarn	4313
59	05670	Ilrel II-7-67		Occur.	47	4	00	98	40	00	Sb		Clastic sediment-hosted Sb	4313
60	01405	Asgat Uul		Occur.	46	58	00	98	27	00	Fe		Fe skarn	1633, 4313
61	03689	Beliin bulag		Occur.	46	49	30	97	58	30	W	Be, Mo	W-Mo-Be greisen	4313
62	05674	№ III-Y-88		Occur.	46	50	00	98	5	00	Au	Ag	Granitoid related Au	4313
63	03695	Ovoot Ondor		Occur.	46	53	00	98	8	00	Ta, Nb		Tantalite granite	4313
64	01403	Bayanbulag		Occur.	46	51	00	98	15	00	Fe		Banded iron formation (BIF)	2674, 4313
65		Salhit Khudag		Occur.	46	40	00	98	44	00	W, Be, Mo	Sn, Ag, Cd	W-Mo-Be greisen	4186
66	03690	Nergui		Occur.	47	17	45	99	4	40	W, Mo		W-Mo veins and stockworks	4421
67	03391	Gert Uul		Occur.	47	18	20	99	4	45	Cu		Sandstone-hosted Cu	4421
68	05603	Nergui(Yamaat)		Occur.	47	11	50	99	5	00	Cu		Sandstone-hosted Cu	4421
69		Zagiin gol		Occur.	47	13	00	99	6	00	Hg		Clastic sediment-hosted Hg	4421
70	05602	Zagiin gol		Occur.	47	9	00	99	3	20	Au	W	Granitoid related Au	4421
71	05604	Nergui 40		Occur.	47	8	15	99	18	20	Cu		Sandstone-hosted Cu	4421
72	01402	Monhot		Occur.	47	7	00	99	20	00	Fe	Mn	Volcanogenic-sedimentary Fe	1753, 1761, 4421
73	01509	Baidragiin		Occur.	47	2	00	99	33	00	Fe		Volcanogenic-sedimentary Fe	1753, 3062, 4421
74	05661	Zag		Occur.	46	53	00	99	4	00	Cu	Pb, Fe, Zn	Cyprus type Cu-Zn massive sulfide	1633, 4421
75	03694	Yolyngol		Occur.	46	55	00	100	0	45	Sn		Sn pegmatite	1753, 1761, 4421
76	05671	Bor Khairhan		Occur.	46	48	00	99	43	00	Au		Quartz-(carbonate) vein Au	1620, 4421, 5232
77	05673	Shorvogt gol		Occur.	46	44	10	99	3	30	Au		Quartz-(carbonate) vein Au	4421
78	05672	Rashaan bulag		Occur.	46	45	00	99	17	00	Au		Placer Au	1620
79	05662	Kheseg №29		Occur.	46	43	00	99	18	00	Cu		Vein Cu-Ag	2844, 3062, 5232
80	00782	Ikh Ust		Occur.	46	59	00	100	5	00	Sn		Sn pegmatite	4415
81	01365	Ovoot uul		Occur.	46	50	00	100	4	00	W, Mo		W-Mo veins and stockworks	4415
82	01399	Tsenheriin gol		Occur.	47	18	00	101	43	00	Fe		Volcanogenic-sedimentary Fe	1831, 4417

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
83	04160	Baishint Uul		Occur.	47	10	00	101	10	36	Au		Placer Au	5040
84	04159	Khoit Khoshigtiin ilrel		Occur.	47	2	22	101	8	00	Au		Placer Au	5040
85	04694	Olziit teel	Dep.***		46	56	00	101	40	00	Au		Placer Au	4976
86	01363	Tamgiin gol(Deed Jargalant)		Occur.	46	48	00	101	8	00	W, Au		Granitoid related Au-W-Mo	4417
87	03580	Shar khad ilrel		Occur.	46	54	10	101	55	10	Au		Granitoid related Au	5015
88		Shar had	Dep.		46	54	00	101	55	00	Au		Placer Au	5015
89	03664	Burgast zuun sodot	Dep.***		46	55	42	101	53	40	Au		Placer Au	4417
90		Khongilt	Dep.***		46	48	00	101	52	00	Au		Placer Au	4417
91	03367	Sharbulag		Occur.	46	38	00	96	15	00	Fe	Zn, Cu	Fe skarn	4417
92		Nergui		Occur.	46	39	00	96	36	00	Pb, Zn	Cu, Ag, Cd, Ag	Granitoid related vein/replacement Ag-Pb-Zn	4186
93	03659	Tsagaan Olom		Occur.	46	38	00	96	38	00	Cu	Ag	Granitoid related Cu	2344, 3062, 4186
94		Bor Nuruu		Occur.	46	34	00	96	27	00	Zn, Pb, Ag	W, Mo, Cd	Zn-Pb skarn	4186
95		Khar tolgoi		Occur.	46	33	00	96	31	00	Pb	Zn, Ag, Au	Granitoid related vein/replacement Pb-Zn	4186
96	01376	Nogoon tolgoi		Occur.	46	21	00	96	8	00	Cr		Magmatic podiform Cr	1420, 1422, 4186
97		Tsagaan Otog		Occur.	46	19	10	96	4	50	Gypsum		Sedimentary gypsum	5161
98		Jugantyn gol		Occur.	46	18	30	96	7	20	Au		Volcanic-associated massive sulfide Au	5161
99		Khets Uul		Occur.	46	18	50	96	7	00	Au		Volcanic-associated massive sulfide Au	5161
100	03655	Rashaan bulag		Occur.	46	18	00	96	8	00	Cu		Cyprus type Cu-Zn massive sulfide	1556
101		Bayangiin nuruu		Occur.	46	19	10	96	9	10	Talc		Ultramafic-hosted talc metasomatite	5161
102		Bayangol		Occur.	46	19	20	96	13	00	Cu	Au, Ti	Cyprus type Cu-Zn massive sulfide	5161
103		Iltel 61-A-17		Occur.	46	18	30	96	14	25	Asbestos		Serpentine-hosted asbestos	5161
104		Ilrel 61-B-1		Occur.	46	17	40	96	15	40	Asbestos		Serpentine-hosted asbestos	5161
105	01503	Taishir	Dep.		46	16	00	96	16	00	Asbestos		Serpentine-hosted asbestos	1420, 1422, 1466, 2373, 5161
106		Ilrel 53,54		Occur.	46	14	50	96	26	20	Cr		Magmatic podiform Cr	5161
107	01504	Moron hudag		Occur.	46	15	00	96	32	00	Magnesite		Weathering crust magnesite	3432
108		Shavariingol		Occur.	46	14	18	96	32	41	Au		Placer Au	5161
109		Modot am		Occur.	46	15	00	96	34	00	Au		Placer Au	5161
110		Ilrel 5		Occur.	46	14	32	96	32	00	Cr		Magmatic podiform Cr	5161
111		Morsiin khar tolgoi		Occur.	46	14	10	96	37	50	Fe	Cr, Ti	Granitoid related stockwork/metasomatite Fe	5161

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
112		Ilrel 47		Occur.	46	13	30	96	38	00	Talc		Ultramafic-hosted talc metasomatite	5161
113		Bideriin gol	Dep.		46	13	40	96	39	00	Magnesite		Weathering crust magnesite	3432, 4186, 5161
114		Narangiin buleg ilrel		Occur.	46	13	25	96	40	5	Cr		Magmatic podiform Cr	5161
115		Ilrel		Occur.	46	13	00	96	37	00	Asbestos		Serpentine-hosted asbestos	4186
116		Khromitiin shoroon ilrel		Occur.	46	13	00	96	39	00	Cr		Placer chromate	5161
117	00047	Jongiin golyn ilrel		Occur.	46	12	00	96	36	30	Cr		Magmatic podiform Cr	5161
118		Ilrel		Occur.	46	12	00	96	38	40	Cr		Magmatic podiform Cr	5161
119		Ilrel 54		Occur.	46	12	30	96	43	30	Talc		Ultramafic-hosted talc metasomatite	5161
120		Naran Davaa		Occur.	46	10	00	96	30	00	Cu	Ag	Cyprus type Cu-Zn massive sulfide	4186, 5161
121		Urd khujirtiin gol		Occur.	46	10	00	96	33	20	Au	Ag, Cu, Ba	Volcanic-associated massive sulfide Au	5161
122		Ilrel (62-B-43)		Occur.	46	9	00	96	42	55	Cu	Au, Ag	Cyprus type Cu-Zn massive sulfide	4186
123		Ulaan Uul		Occur.	46	2	30	96	24	00	Au	Ag, Cu	Granitoid related Au-Ag-Cu	4186, 5161
124		Satir khudag 1		Occur.	46	2	00	96	26	00	Au	Ag, Cu	Granitoid related Au-Ag-Cu	4186
125	03647	Satir khudag 2		Occur.	46	3	00	96	27	00	Cu	Au, Ag	Granitoid related Cu	4186
126		Satir khudag 3(Ulaagchin)		Occur.	46	2	00	96	30	00	Fe	Au, Cu, Ag, Zn, Pb	Fe skarn	4186, 5161
127		Tsamtsatyn sair		Occur.	46	1	10	96	41	30	Au		Epithermal kaolinite-alunite type Au	5161
128		XIY-52-G-1		Occur.	46	26	00	97	48	00	Bi	Ag, Zn, Cu	Granitoid related vein/stockwork Bi	4186
129		Nergui		Occur.	46	10	00	97	50	00	Zn, Pb	Au, Ag	Pb-Zn skarn	4186
130	01395	Burd Nuur		Occur.	46	28	00	98	45	00	Fe	Cu	Fe skarn	4186
131	01254	Nomort Uul		Occur.	46	24	00	98	45	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	1633
132	01394	Shiveet Uul		Occur.	46	16	00	98	35	01	Zn	Fe, Cu, Bi	Zn-Pb skarn	1401
133	03650	Magnai Uul		Occur.	46	16	00	98	52	00	Cu	Ag	Basaltic Cu	1633, 4186
134	03671	Buutsagaan		Occur.	46	6	00	98	46	00	Cu-Au	Fe, Zn, Ag	Granitoid related Au-Ag-Cu	1633, 4186
135	03360	Gunhudag		Occur.	46	3	00	98	57	00	Pb, Zn	Au, Ag, Cu	Granitoid related vein/replacement Pb-Zn	4186
136		Artsagaan		Occur.	46	40	00	99	16	00	Au		Placer Au	1620
137		Jargalant		Occur.	46	39	00	99	36	00	Cu	Ag	Vein Cu-Ag	2344, 3062
138	01694	Olsiit gol		Occur.	46	35	00	99	49	00	Au		Placer Au	331, 1577, 5232, 1646, 1895
139	01695	Khoit 1		Occur.	46	33	00	99	15	00	Au	As	Quartz-(carbonate) vein Au	1620, 3062
140	01693	Khoit 2		Occur.	46	31	00	99	14	00	Au		Quartz-(carbonate) vein Au	1620, 3062

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
141	01696	Urt		Occur.	46	29	00	99	19	30	Au		Placer Au	1620
142	01697	Omnod		Occur.	46	27	00	99	17	00	Cu	Au, Ag, As	Porphyry Cu	2344, 3062
143		Gashuunii hondii		Occur.	46	30	00	99	25	00	Au		Quartz-(carbonate) vein Au	1620, 5232
144		Baga khundii		Occur.	46	27	00	99	28	00	Au		Quartz-(carbonate) vein Au	1620, 3062
145		Ulaan Saiiriin Khondii		Occur.	46	32	00	99	37	00	Au		Placer Au	4280
146		Bayantsagaan		Occur.	46	33	00	99	45	00	Cu	W	Vein Cu-Ag	2344, 3062
147		Gunhudag		Occur.	46	26	00	99	28	00	Au		Placer Au	1620
148		Daltiin Khondii	Dep.***		46	27	0	99	31	00	Au	Au	Placer Au	1577,1646, 1895, 4629
149		Daltiin Khondii		Occur.	46	23	00	99	33	00	Au		Granitoid related Au	1895
150	01887	Khokh bulagiin khondii	Dep.		46	22	00	99	32	00	Au		Au skarn	1895, 4280
151		Gunii Am	Dep.		46	24	00	99	38	00	Au		Placer Au	331, 1895
152		Khokh bulagiin khondii	Dep.		46	21	00	99	42	00	Au		Placer Au	331, 1895, 3502
153	01698	Ulaan Bulagiin Khondii		Occur.	46	28	00	99	50	00	Ni		Cu-Ni-(PGE) sulfide mafic-ultramafic related	331, 1895, 2313, 5232
154	1889	Dalangiin Suujiin khudag		Occur.	46	25	00	99	49	00	Cu		Sandstone-hosted Cu	1577, 331, 1895, 3062, 5232
155		Altan Am	Dep.		46	26	00	99	59	00	Au		Placer Au	1646, 1895, 3848, 4629
156		Ulaanbulag	Dep.		46	24	30	99	55	00	Au		Placer Au	1646, 1895, 3848
157		Gun khondii	Dep.		46	24	20	99	59	00	Au		Placer Au	3502
158	0254	Tsanhir jalga	Dep.		46	20	00	99	50	00	Au		Placer Au	4265
159	0219	Ar gashuuny am	Dep.		46	19	00	99	50	00	Au		Placer Au	4652
160	0128	Orgihiin am	Dep.***		46	18	00	99	54	00	Au		Placer Au	4652
161	0220	Bumbatiin gol	Dep.		46	18	00	99	50	00	Au		Placer Au	1895, 4652
162	0214	Togoot	Dep.		46	17	00	99	58	00	Au		Placer Au	1895, 2899, 4652
163	0175	Sairyn khondii	Dep.		46	15	40	99	46	30	Au		Placer Au	1577, 1895, 331
164		Khashaatyn sair	Dep.		46	16	00	99	36	54	Au		Placer Au	4280
165		Nergui		Occur.	46	21	00	99	21	00	Au	As	Granitoid related Au	331
166		Baidragiingol		Occur.	46	16	00	99	21	00	Au		Placer Au	331, 1620, 4280
167	01890	Kharaat Uul		Occur.	46	16	30	99	29	00	Au		Granitoid related Au	1895, 4652
168		Builstyn Khudag I		Occur.	46	14	00	99	26	00	Au		Granitoid related Au	1895
169		Builstyn Khudag		Occur.	46	14	30	99	25	40	Au		Placer Au	331, 1895

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
170		Khoit Bombogor		Occur.	46	16	00	99	38	00	Au		Granitoid related Au	1895
171		Bombogoriin group I		Occur.	46	13	00	99	39	00	Au		Granitoid related Au	1895
172		Bombogoriin group II		Occur.	46	11	00	99	38	00	Au		Granitoid related Au	1895
173		Bombogoriin group III		Occur.	46	12	00	99	43	00	Au		Granitoid related Au	1895
174	05073	Khargany Am	Dep.		46	12	08	99	45	00	Au		Placer Au	4280, 4648
175	03665	Bombogoriin group IY		Occur.	46	12	00	99	49	00	Au		Granitoid related Au	1895
176		Bombogoriin group Y		Occur.	46	10	00	99	50	00	Au		Granitoid related Au	1895
177		Gunii sair	Dep.		46	10	36	99	41	30	Au		Placer Au	4280, 4648
178		Ugdain khondii	Dep.		46	10	25	99	43	25	Au		Placer Au	4280, 4648
179	01401	Baidragiingol I		Occur.	46	11	00	99	17	00	Fe		Banded iron formation (BIF)	1895, 2312
180		Baidragiingol II		Occur.	46	10	00	99	21	00	Fe		Banded iron formation (BIF)	1895, 2312
181		Baidragiingol III		Occur.	46	9	00	99	24	00	Fe		Banded iron formation (BIF)	1895, 2312
182		Tahilga Uul		Occur.	46	7	30	99	32	00	Au		Epithermal kaolinite-alunite type Au	1895
183		Tahilga Uul		Occur.	46	5	00	99	28	30	Au		Epithermal kaolinite-alunite type Au	1895
184	01307	Deed Jargalant		Occur.	46	39	00	100	51	00	W	Mo, Au	W-Mo veins and stockworks	4415
185	01893	Muhar mod gol		Occur.	46	32	30	100	30	30	Pb, Zn	Cu, W, Zn	Granitoid related vein/replacement Pb-Zn	1761
186	01359	Gurvan ekht		Occur.	46	30	20	100	31	10	W	Ag, Mo, Cu	W veins and stockworks	4415
187	00780	Nariin gol		Occur.	46	29	20	100	45	40	Au	W, Mo, Ag	Granitoid related Au-W-Mo	4415
188	01894	Daltyn		Occur.	46	30	40	100	2	00	Au		Granitoid related Au	1646, 1895
189		Bayan Am	Dep.		46	27	30	100	2	00	Au		Placer Au	4629
190		Khooloi khudag	Dep.		46	27	00	100	1	30	Au		Placer Au	1646, 1895, 3848, 4629
191		Buht	Dep.		46	26	30	100	10	20	Au		Placer Au	1577, 1646, 1895, 4630
192		Ar Chuluut	Dep.***		46	25	10	100	12	30	Au		Placer Au	1577, 1646, 1895, 2899, 4630
193		Sairyn khudag	Dep.***		46	24	20	100	4	50	Au		Placer Au	1646, 1577, 3313, 3647, 3998
194		Tsagaan jalga	Dep.		46	23	30	100	4	00	Au		Placer Au	1646, 1895, 3647, 3807
195		Muhar -Ereg	Dep.***		46	22	00	100	5	00	Au		Placer Au	1577, 1646, 1895, 3647, 3998, 4415
196		Ovor-Chuluut	Dep.***		46	22	30	100	7	00	Au		Placer Au	1577, 1646, 1895, 3313, 3647, 3998
197		Jargalantyn nuruu		Occur.	46	23	00	100	9	00	Au		Granitoid related Au	4018



0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
198		Jargalant	Dep.***		46	18	00	100	13	00	Au		Placer Au	1577,1646, 2899, 4415, 4629
199	01306	Erdenetsogt		Occur.	46	26	20	100	45	40	Au	W, Mo, Ag	Granitoid related Au-W-Mo	4415
200	01304	Nomgon Uul		Occur.	46	17	00	100	45	00	Au	W, Mo, Ag	Granitoid related Au-W-Mo	4415
201	01305	Khurentolgoi		Occur.	46	15	00	100	42	00	Au	W, Mo, Ag	Granitoid related Au-W-Mo	4415
202	01215	Guchingol		Occur.	46	12	20	100	1	30	Sillimanite		Metamorphic disten-sillimanite-andalusite	4415, 5232
203		Guchingol		Occur.	46	8	00	100	9	00	Au		Quartz-(carbonate) vein Au	1895
204		Tsagaan tsahir uul	Dep.		46	8	00	100	11	00	Au		Granitoid related Au	1895, 4415, 5232, 4652
205		Tsagaan tsahir uul	Dep.		46	7	00	100	12	00	Au		Granitoid related Au	1895, 4415, 5232
206		Khavchig hudag		Occur.	46	7	00	100	13	00	Au		Granitoid related Au	1895
207	05224	Burdyn gol		Occur.	46	10	00	100	25	00	Cu		Vein Cu	4415
208	01400	Ykhegiin gol		Occur.	46	42	00	100	17	00	Fe	Mn	Volcanogenic-sedimentary Fe	1691, 1895, 3062
209	03578	Altan usny sair	Dep.		46	2	16	100	27	3	Au		Placer Au	5007
210		Tsahir Khormoi Uul		Occur.	46	4	0	100	40	00	Cu		Granitoid related Cu	1619
211		Baruun Olziit		Occur.	46	4	56	100	49	00	Pb	Cu	Granitoid related vein/replacement Pb-Zn	3062
212		Shargaljuut		Occur.	46	20	53	101	14	45	Sn	W	Sn veins	1619, 1761
213		Shargaljuutyngol		Occur.	46	11	00	101	2	00	Ag	Au, W	Granitoid related Au-W-Mo	1619
214	01339	Barchin Uul		Occur.	46	10	00	101	56	00	Sn	W	Sn pegmatite	4415
215		Tul-Khyar		Occur.	45	58	00	96	42	00	Au	Ag	Granitoid related Au	4186
216		Nergui		Occur.	45	51	00	96	0	00	Cu	Ag	Vein Cu-Ag	4186
217	01941	Ar Zuun gol		Occur.	45	52	00	96	2	00	Cu	Ag, Au	Vein Cu-Ag	4186
218	01900	Ondor Tsoohor Uul		Occur.	45	53	00	96	9	00	Cu	Au, Ag	Vein Cu-Ag	4186
219		Ondor Tsoohor Uul		Occur.	46	53	00	96	13	00	Mn	Ag, Co	Volcanogenic-sedimentary Mn	4186
220		Takhilgat Uul		Occur.	45	43	00	96	5	00	Mn	Fe, Co, Cu	Volcanogenic-sedimentary Mn	4186
221		Takhilgat Uul		Occur.	45	43	00	96	6	00	W	Bi, Mo	W-Mo veins and stockworks	4186
222	01942	Tsagaan gol		Occur.	45	43	00	96	13	00	Talc		Ultramafic-hosted talc metasomatite	2373, 4186
223		Nergui		Occur.	45	45	00	96	32	00	Talc		Ultramafic-hosted talc metasomatite	2373, 4186
224		Gants modot		Occur.	45	43	00	96	53	00	Fe	Zn, Cu	Fe skarn	4186
225		Bituut		Occur.	45	43	00	96	53	00	Cu	Au, Ag	Cu-Ni-(PGE) sulfide mafic-ultramafic related	4186
226		Togootyn gol		Occur.	45	36	00	96	56	00	Cu	Au, Ag	Cu skarn	4186

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
227	01944	Nergui		Occur.	45	34	00	96	54	00	Cu	Ag	Vein Cu-Ag	4186
228		Ukhin Ovoo		Occur.	45	32	00	96	32	00	Fe	Cu, Mn	Sedimentary Fe	4186
229		Shar Turuutiin gol		Occur.	45	28	00	96	56	00	Mn	Ba	Sedimentary Mn	4186
230	01948	Shar tal		Occur.	45	23	00	96	11	00	Cu	Zn	Volcanogenic Cu-Zn massive sulfide (Ural type)	2585, 4186, 4496
231	01949	Altan-Khad		Occur.	45	38	00	97	6	00	Cu	Ag	Porphyry Cu	4186
232	01963	Nergui(Beger I)		Occur.	45	37	00	97	12	00	Cu	Ag	Porphyry Cu	4186
233	01951	Nergui(Beger 2)		Occur.	45	36	00	97	17	00	Cu	Ag	Porphyry Cu	4186
234	01953	Nergui(Beger 3)		Occur.	45	37	00	97	22	00	Cu	Ag	Porphyry Cu	4186
235	01966	Nergui(Beger 4)		Occur.	45	36	00	97	15	00	Cu	Ag, Mo	Porphyry Cu	4186
236	01964	Omnod(Beger skarn)		Occur.	45	35	00	97	15	00	Cu	Ag	Cu skarn	4186
237	01961	Nergui(Beger 5)		Occur.	45	37	00	97	18	00	Cu	Ag, Mo	Porphyry Cu	4186
238	01962	Nergui(Beger 6)		Occur.	45	36	00	97	12	00	Cu	Ag	Porphyry Cu	4186
239	04371	Mogoinshand		Occur.	45	36	00	97	21	00	Cu	Ag	Porphyry Cu	4186
240		Shargotgol		Occur.	45	25	00	97	12	00	Cu	Zn	Vein Cu-Ag	4186
241		Nergui		Occur.	45	27	00	98	5	00	Talc		Ultramafic-hosted talc metasomatite	2373, 4186
242	05223	Chandmani		Occur.	45	21	00	98	18	00	Cu	Ag	Porphyry Cu	2079
243	03672	Skarn		Occur.	45	51	10	99	0	30	Fe	Cu, Ag	Fe skarn	2313, 4276
244	01972	Saran Uul	Dep.		45	57	00	100	36	00	Cu	Mo, Au, Ag	Porphyry Cu	3173, 4000, 4276, 5232
245	01971	Baruun-Hargana		Occur.	45	58	00	100	59	00	Au, Ag		Granitoid related Au	3702
246		Tuingol		Occur.	45	54	00	100	59	00	Au		Granitoid related Au	1895
247	01259	Bor khot		Occur.	45	53	00	100	47	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	1895, 2007
248	01345	Nariin khar		Occur.	45	24	40	100	4	30	Cu	Mo	Granitoid related stockwork/metasomatite Cu	4276
249		Nergui		Occur.	45	57	00	101	36	00	Au		Granitoid related Au	4276
250	03575	Kharaat Yagaan Tolgoi		Occur.	45	45	00	101	23	00	W	Au	Granitoid related Au-W-Mo	4276, 5009
251		Kharaat Yagaan Tolgoi		Occur.	45	46	00	101	26	00	Au		Placer Au	5009
252	00998	Khan Uul		Occur.	45	43	00	101	36	00	Au		Quartz-(carbonate) vein Au	4276, 4544
253		Khan Uul		Occur.	45	42	00	101	38	00	Au		Placer Au	4544
254		Nergui		Occur.	45	31	8	101	44	20	Au		Granitoid related Au	4623
255	00997	Taatsyn gol		Occur.	45	28	30	101	14	30	Au		Placer Au	4276

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
256		Olgiin bulag		Occur.	45	16	00	96	13	00	Mn	Ag, Co	Volcanogenic-sedimentary Mn	4186
257	01973	Olgi Nuur		Occur.	45	13	00	96	6	00	Cu	Ag, Au	Volcanogenic Cu-Zn massive sulfide (Ural type)	4186
258	01974	Senjitiin khyar		Occur.	44	48	00	96	6	00	Au	Ag	Granitoid related Au	2585, 2869, 4186
259		Khuistolgoi		Occur.	44	43	00	96	36	00	Cu	Mo, Ag	Granitoid related Cu	4186
260		Nergui		Occur.	44	42	00	96	41	00	Au	Cu, Ag	Granitoid related Au	4186
261		Khokh Del Shavaany Uul		Occur.	44	42	00	99	44	00	Au		Granitoid related Au	4186
262		Nergui(Shuutiin Khudag)		Occur.	44	39	00	99	53	00	Au		Granitoid related Au	4186
263		Togrog gol		Occur.	45	21	00	96	16	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4186
264		Moson Turyytiingol		Occur.	45	18	00	97	43	00	Cu	Ag	Granitoid related Cu	4186
265		Khushin Ondor Uul		Occur.	45	18	00	97	33	00	Zn, Pb	Cu, Ag, Cd	Granitoid related vein/replacement Pb-Zn	4186
266		Chandmani		Occur.	45	13	00	97	53	00	Zn, Pb	Cu, Cd, Ag	Granitoid related vein/replacement Pb-Zn	4186
267		Tsahir Uul		Occur.	45	10	00	97	22	00	Zn	Pb, Ag	Granitoid related vein/replacement Pb-Zn	4186
268		Nergui		Occur.	45	19	00	97	22	00	Zn	Pb, Ag	Granitoid related vein/replacement Pb-Zn	4186
269	01978	Shirtbulag		Occur.	45	18	00	97	30	00	Fe		Fe skarn	4186
270	01353	Shirtbulag		Occur.	45	18	00	97	30	00	Cu	Zn, Ag, Fe	Cu skarn	4186
271	03666	Shirtbulagiin ilrel		Occur.	45	13	00	97	30	00	Au	Ag, Cu, Pb, Zn	Granitoid related Au	4186
272		Erdene		Occur.	45	6	00	97	30	00	Zn, Pb	Ag, Cu	Granitoid related vein/replacement Pb-Zn	4186
273		Khushin Ondor Nuruu		Occur.	45	10	00	97	47	00	Cu	Pb, Zn, Ag	Granitoid related vein/replacement Pb-Zn	4186
274		Nergui		Occur.	45	3	00	97	48	30	Fe, Zn	Cu, Pb, Ag	Fe-Zn skarn	4186
275	00995	Shiver Uul		Occur.	44	47	00	97	14	00	Au		Granitoid related Au	4186
276		Nergui		Occur.	44	43	00	97	5	00	Cu		Granitoid related Cu	4186
277		Nergui		Occur.	45	15	00	98	40	00	Cu	Zn, Pb, Nb, Bi, As	Granitoid related Cu	4186
278	01344	Delger Ovoo		Occur.	45	14	00	98	43	00	Mo	Cu	Porphyry Mo(Cu)	4186, 4940
279		Sudal		Occur.	44	53	00	98	34	00	Zn, Pb		Granitoid related vein/replacement Pb-Zn	4186
280	01246	Bayan-Ondor		Occur.	44	51	00	98	28	00	Barite		Barite veins	1466
281	01982	Bayantsagaan		Occur.	44	49	00	98	58	00	Cu	Au	Volcanogenic Cu-Zn massive sulfide (Ural type)	4186
282		Ulaan Argalant Uul		Occur.	45	21	00	99	31	00	Cu	Fe, Au	Cu skarn	4186
283		Ulaan Argalant Uul		Occur.	45	20	00	99	29	00	Fe	Cu, Au, Ag	Fe skarn	4186
284		Ilrel 103-B-6		Occur.	45	12	00	99	22	10	Au	Ag, Bi, Mo	Granitoid related Au	4276

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
285		Khatuu Suuj		Occur.	45	9	00	99	34	00	Phosphorites		Sedimentary phosphate	4276
286		Tsenher khadny		Occur.	45	5	30	99	16	30	Au	Ag	Quartz-(carbonate) vein Au	4940
287	03652	Tsakir Khudag		Occur.	45	5	00	99	24	00	Cu	Zn, As	Sandstone-hosted Cu	4276
288		Ilrel 103-Г-12		Occur.	45	4	35	99	33	00	Au	Ag, Cu	Quartz-(carbonate) vein Au	4940
289		Khojor khudag		Occur.	45	4	0	99	24	00	Au	Ag	Quartz-(carbonate) vein Au	4940
290	01988	Nud khudag		Occur.	44	50	00	99	40	00	Cu	Zn	Granitoid related Cu	4276, 4939
291	01989	Khalzanbulag III		Occur.	44	46	00	99	37	00	Cu	Zn, Ag	Granitoid related Cu	4276, 4939
292	01990	Khalzanbulag I		Occur.	44	45	00	99	42	00	Cu		Granitoid related Cu	4276, 4939
293	01991	Khalzanbulag II		Occur.	44	46	00	99	44	00	Cu	Ag	Granitoid related Cu	4276, 4939
294	01992	Dohom(Navtogar)		Occur.	44	43	00	99	31	30	Cu	Zn, Pb, Ag	Volcanogenic Cu-Zn massive sulfide (Ural type)	4276
295	01287	Yamaan us		Occur.	44	57	00	100	33	00	Asbestos		Serpentine-hosted asbestos	1973, 2079
296	01285	Gegeen-Ovoo-Uul	Dep.		44	56	00	100	30	00	Asbestos		Serpentine-hosted asbestos	1973, 4276
297		Gegeen-Ovoo-Uul		Occur.	44	56	00	100	31	00	Cr		Magmatic podiform Cr	4276
298	01227	Nergui(Bogd-Uul)		Occur.	44	55	00	100	20	00	Magnesite		Weathering crust magnesite	4276
299	05251	Bituugiin Khar Uul		Occur.	44	46	31	100	12	18	Au		Quartz-(carbonate) vein Au	4623
300	01994	Shirt I		Occur.	44	44	30	100	10	00	Cu	Zn, Pb	Cu skarn	4276, 4623
301	01995	Shirt II		Occur.	44	43	45	100	14	46	Cu	Fe	Cu skarn	4276, 4623
302	00991	Bayangovi I		Occur.	44	43	40	100	18	00	Au		Quartz-(carbonate) vein Au	4276, 4623
303	05253	Bayangovi II		Occur.	44	45	12	100	17	17	Au		Quartz-(carbonate) vein Au	4276, 4623
304	03676	Nergui (Khurmen Uul)		Occur.	44	58	00	101	14	00	Pyrophyllite		Volcanogenic metasomatic pyrophyllite	2007
305	01292	Nergui (Khurmen Uul)		Occur.	44	57	00	101	16	00	Graphite		Metamorphic graphite	4276
306	01342	Khatan bulag		Occur.	44	46	00	101	18	00	Mo	Sn, Bi, Mo, W	W-Mo greisen	4276
307	01343	Baga-Bogd		Occur.	44	51	00	101	45	00	Mo	Bi, W	W-Mo veins and stockworks	4276
308		Khohohtiin		Occur.	44	48	00	101	49	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4276
309		Zuun Bogd		Occur.	44	47	00	101	43	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4276
310		Khadat Gunii Khondii		Occur.	44	7	00	97	52	00	Au	Ag	Granitoid related Au	1683
311		Nergui		Occur.	44	7	00	97	52	00	Au		Placer Au	1683
312		Khoshoot		Occur.	44	1	15	97	58	30	Au		Placer Au	1683
313		Khuree Uul		Occur.	44	1	00	97	59	00	Au		Placer Au	1683

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
314		Khar Uul		Occur.	44	0	5	97	59	45	Au		Placer Au	1683
315	01983	Chandmani Uul		Occur.	44	21	00	98	39	00	Cu	Zn	Granitoid related Cu	2079
316		Khuurai khondii		Occur.	44	0	20	98	1	15	Au		Placer Au	1683
317		Ondor Khar Khondii		Occur.	44	0	5	98	0	15	Au		Placer Au	1683
318	01997	Khondloi		Occur.	44	38	30	99	49	00	Cu	Zn, Pb, Ag	Volcanogenic Cu-Zn massive sulfide (Ural type)	4276, 4623
319	05252	XXIY-128-B-I		Occur.	44	38	30	99	53	5	Au	Ag	Granitoid related Au	4623
320		Jinst Uul		Occur.	44	19	00	99	36	00	Cu	Pb, As, Ag	Granitoid related Cu	2869, 4276
321		Khubiin khar		Occur.	44	5	00	99	6	00	Cu	Ag	Granitoid related Cu	4276
322	00992	Oortsog		Occur.	44	39	00	100	10	00	Au		Quartz-(carbonate) vein Au	4276, 4623
323	01998	Khotol Tsakhir		Occur.	44	37	00	100	4	00	Cu	Pb, Fe	Granitoid related Cu	2079, 4276
324	03680	Shavag Uul		Occur.	44	26	00	100	14	00	Fe	Mn, Ti	Volcanogenic-sedimentary Fe	1754
325	01352	Khoh tolgoi		Occur.	44	23	15	100	44	35	W		W-Mo veins and stockworks	4276
326	01999	Nergui(Khoh tolgoi)		Occur.	44	25	00	100	48	00	Au		Granitoid related Au	4276
327	01286	Khulsan Khudag		Occur.	44	24	00	100	49	00	Asbestos		Serpentine-hosted asbestos	1754
328	02000	Khulsan		Occur.	44	24	00	100	55	00	Cu	Zn, Pb	Granitoid related Cu	4276
329	03654	Gun Khudag		Occur.	44	4	00	100	51	00	Cu	Pb, Ag	Granitoid related Cu	1754, 4276
330	02300	Nergui		Occur.	44	37	00	101	53	00	Cu	Ag, Sb	Cu skarn	4276

Explanation: \*\*\*- Deposits in operation; \*\*- Deposits mined out, but there is small amount of reserves; \*- Deposits mined out; \*- Occurrences with small ancient openpits on surface.

### Mineral Deposits and Occurrences in the Sheet L-47

(Fuel Resources, Gemstones, Silica Resources, Continental Lake Evaporates, Mineral Pigments, Minerals and Rocks for Construction Uses)

1:200000 scale sheet	No.	Number in L-47	Number passport	Name of Deposit and Occurrence	Dep.	Occur.	Location						Major Resources	Minor Resources	Mineral Resources Group	Information Sources (Open File Report number in GIC)
							Latitude			Longitude						
							deg	min	cek	deg	min	cek				
0	1	2	3	6	4	5	7	8	9	10	11	12	13	14	15	16
I	1	331	804	<b>Uliastai</b>	Dep***		47	44	0	96	48	0	Sand and gravel		Rocks for Construction Uses	2038
I	2	332	799	<b>Zeg</b>	Dep***		47	41	30	96	37	00	Sand and gravel		Rocks for Construction Uses	2164
I	3	333		Aldarhaan		Occur.	47	39	45	96	33	00	Sand		Rocks for Construction Uses	2164
I	4	334		Aldar-Ovoo		Occur.	47	37	28	96	29	27	Dolomite		Rocks for Construction Uses	2164
I	5	335	814	Yamaat khondii		Occur.	47	37	00	96	32	00	Sand and gravel		Rocks for Construction Uses	3576
I	6	336	786	<b>Aldarhaan</b>	Dep***		47	36	55	96	35	25	Limestone		Rocks for Construction Uses	2164, 3576
I	7	337		Buural uul		Occur.	47	36	40	96	38	50	Dolomite		Rocks for Construction Uses	3576
I	8	338		<b>Povron tolgoi</b>	Dep		47	36	30	96	30	20	Sand		Rocks for Construction Uses	4390
I	9	339	989	<b>Shar tal</b>	Dep		47	27	0	96	10	0	Sand and gravel		Rocks for Construction Uses	2164
III	10	340		Tsahir		Occur.	47	47	00	98	47	00	Quartz Veins		Quartz veins	1641
IV	11	341		Khokh davaany		Occur.	47	43	00	99	12	00	Jasper		Gemstone	1755
VI	12	342	04691	Shivertiin rashaan		Occur.	47	37	25	101	31	10	Different Colored Clay pigments		Mineral pigments	4864
VI	13	343	04164	<b>Elstiin gol</b>	Dep		47	33	00	101	18	00	Sand		Rocks for Construction Uses	2712, 3231
VI	14	344	802	<b>Tamir gol</b>	Dep		47	27	00	101	29	00	Sand and gravel		Rocks for Construction Uses	1635
VI	15	345	769	<b>Arhangai</b>	Dep		47	26	00	101	29	00	Clays		Rocks for Construction Uses	1635
VI	16	346	803	<b>Avhain bulag</b>	Dep		47	21	00	101	17	00	Sand and gravel		Rocks for Construction Uses	3232

0	1	2	3	6	4	5	7	8	9	10	11	12	13	14	15	16
VI	17	347	835	<b>Sain eriin ovoo</b>	Dep		47	22	00	101	27	00	Structural Stones		Rocks for Construction Uses	3234
VII	18	348	997	Gurvan khudag		Occur.	47	01	12	96	32	26	Sand		Rocks for Construction Uses	1548
VII	19	349	801	<b>Zavhan gol</b>	Dep		46	52	0	96	16	0	Sand and gravel		Rocks for Construction Uses	1676
VII	20	350		<b>Tsagaan-Olom I</b>	Dep		46	44	0	96	41	0	Clays		Rocks for Construction Uses	1420
VII	21	351		<b>Tsagaan-Olom 4</b>	Dep		46	43	0	96	34	0	Limestone		Rocks for Construction Uses	1590, 4186
VII	22	352		<b>Taishir</b>	Dep		46	41	0	96	32	0	Sand and gravel		Rocks for Construction Uses	3800
VIII	23	353		Shavar tolgoi		Occur.	46	57	40	97	50	10	Clays		Rocks for Construction Uses	5343
X	24	354		Monhtiin		Occur.	47	06	00	99	21	00	Jasper		<b>Gemstone</b>	1863
X	25	355		Khyargasyn gol		Occur.	47	05	00	99	33	00	Jasper		<b>Gemstone</b>	1753, 1863
X	26	356		Baidrag		Occur.	47	01	00	99	32	00	Jasper		<b>Gemstone</b>	1863
X	27	357		Urtyн gol		Occur.	46	47	00	99	13	00	Hard coal		<b>Fuel Resources</b>	1633
X	28	358		Aartsagiin-Khoit-Salaa		Occur.	46	44	00	99	26	00	Hard coal		<b>Gemstone</b>	1401
X	29	359		<b>Shargiin nuruu</b>	Dep		46	40	00	99	22	00	Hard coal		<b>Fuel Resources</b>	1401, 3031
X	30	360	938	<b>Bayantsagaan</b>	Dep***		46	40	00	99	38	00	Halite and Sodium Sulfide Resources		Continental Lake Evaporates	1936
XIII	31	361		<b>Tsagaan-Olom 6</b>	Dep		46	38	30	96	29	00	Clay shale		Rocks for Construction Uses	1548
XIII	32	362		<b>Doervoljin-I</b>	Dep		46	38	15	96	28	55	Limestone		Rocks for Construction Uses	4767
XIII	33	363		Barim bulag		Occur.	46	36	00	96	28	00	Chalcedony		<b>Gemstone</b>	4186
XIII	34	364		Tsagaan tolgoi		Occur.	46	35	00	96	52	00	Chalcedony		<b>Gemstone</b>	4186
XIII	35	365		Altan gadas		Occur.	46	32	00	96	20	00	Agat		<b>Gemstone</b>	4186
XIII	36	366		Altan gadas		Occur.	46	33	0	96	21	0	Hard coal		<b>Fuel Resources</b>	2190, 4186,
XIII	37	367	1024	<b>Suhiin khooloi</b>	Dep***		46	24	0	96	15	0	Clays		Rocks for Construction Uses	2663, 3473
XIII	38	368	832	<b>Govi-Altai</b>	Dep		46	24	00	96	11	00	Structural Stones (granite)		Rocks for Construction Uses	1676
XIII	39	369		<b>Naran</b>	Dep		46	21	00	96	08	00	Serpentinite		<b>Gemstone</b>	5161

0	1	2	3	6	4	5	7	8	9	10	11	12	13	14	15	16
XIII	40	370	833	<b>Khadaasan</b>	Dep		46	20	0	96	13	0	Structural Stones (pyroxenite)		Rocks for Construction Uses	2518
XIII	41	371		Bayan-Am		Occur.	46	15	00	96	29	00	Serpentinite		<b>Gemstone</b>	4186
XIII	42	372		Davaany		Occur.	46	14	00	96	15	00	Jasper		<b>Gemstone</b>	2755
XIII	43	373	00681	<b>Khujirtiin gol</b>	Dep		46	10	53	96	38	00	Colored marbl		Gemstone	4236
XIII	44	374	00683	<b>Aryn bulag</b>	Dep		46	08	00	96	43	00	Colored marbl		Gemstone	4236
XIII	45	375		<b>Guu bariach</b>	Dep		46	01	00	96	13	00	Different Colored Clay pigments		Mineral pigments	1590, 4186
XIII	46	376		Tsahir bulag		Occur.	46	01	35	96	43	36	Different Colored Clay pigments		Mineral pigments	5161
XIV	47	377		Khuv bulag		Occur.	46	17	0	97	13	0	Hard coal		<b>Fuel Resources</b>	1805, 2190
XIV	48	378		Bumbat khudag		Occur.	46	13	0	97	39	0	Brown Coal		<b>Fuel Resources</b>	2190, 4186
XV	49	379		<b>Khoeh burd</b>	Dep***		46	21	0	98	56	0	Volcanic cinders		Rocks for Construction Uses	3233
XV	50	380		<b>Borvi nuur</b>	Dep***		46	04	00	98	14	00	Salt or Halite		Continental Lake Evaporates	2313, 4186
XVI	51	381		Khyaryn-Oendor		Occur.	46	35	45	99	45	26	Jadeite		<b>Gemstone</b>	4787
XVI	52	382	00768	Olziit gol		Occur.	46	34	00	99	45	00	Nephrite		<b>Gemstone</b>	3289, 4787
XVI	53	383	1017	<b>Shar bugach</b>	Dep		46	26	52	99	18	02	Different Colored Clay pigments		Mineral pigments	3750
XVI	54	384		Botgon tsagaan		Occur.	46	07	11	99	33	19	Quartz Veins		Quartz veins	4787
XVI	55	385		Oortsog-tavan-tolgoi		Occur.	46	01	00	99	18	00	Hard coal		<b>Fuel Resources</b>	1620
XVII	56	386		<b>Ued</b>	Dep		46	30	00	100	05	00	Clay		Rocks for Construction Uses	4602
XVII	57	387	929	<b>Khoit uul</b>	Dep		46	27	00	100	12	00	Halite		Continental Lake Evaporates	1936
XVII	58	388	998	<b>Bayan-ovoo</b>	Dep		46	28	35	100	29	40	Sand		Rocks for Construction Uses	4323
XVII	59	389	831	<b>Doesh tolgoi</b>	Dep***		46	28	00	100	56	00	Volcanic cinders		Rocks for Construction Uses	2117
XVII	60	390	2077	<b>Oevor chuluut</b>	Dep***		46	23	00	100	07	00	Brown Coal		<b>Fuel Resources</b>	3140
XVII	61	391		Zuun kheseq		Occur.	46	23	00	100	09	00	Brown Coal		<b>Fuel Resources</b>	3410
XVII	62	392		Baruun-uemnod kheseq		Occur.	46	21	00	100	06	00	Brown Coal		<b>Fuel Resources</b>	3240



0	1	2	3	6	4	5	7	8	9	10	11	12	13	14	15	16
XVII	63	393		<b>Nergui oendorlog</b>	Dep		46	17	00	100	14	00	Structural Stones		Rocks for Construction Uses	1872
XVII	64	394	817	<b>Duursahyn khoendii</b>	Dep***		46	14	00	100	37	00	Sand		Rocks for Construction Uses	1872
XVII	65	395	830	<b>Duursah uul</b>	Dep***		46	12	00	100	39	00	Structural Stones		Rocks for Construction Uses	1872
XVII	66	396		<b>Bayanhoengor</b>	Dep***		46	09	00	100	49	00	Clays		Rocks for Construction Uses	1509
XVII	67	397	705	<b>Maihan Tsahir</b>	Dep***		46	07	00	100	39	00	Limestone		Rocks for Construction Uses	3197
XVII	68	398	805	<b>Khay-khudag</b>	Dep***		46	08	00	100	43	00	Sand and gravel		Rocks for Construction Uses	1872
XVII	69	399	773	<b>Bayanhongor heseg 3</b>	Dep		46	02	00	100	52	00	Clays		Rocks for Construction Uses	1509
XVIII	70	400	829	<b>Taatsyn gol</b>	Dep***		46	22	00	101	46	00	Volcanic cinders		Rocks for Construction Uses	2500
XIX	71	401		Ar zuun gol		Occur.	45	52	00	96	02	00	Hard coal		<b>Fuel Resources</b>	4186
XIX	72	402		Khuurai sair		Occur.	45	50	00	96	16	00	Hard coal		<b>Fuel Resources</b>	4186
XIX	73	403		Tsagaan gol		Occur.	45	48	00	96	15	00	Hard coal		<b>Fuel Resources</b>	1420, 2577, 4186
XIX	74	404		Ulaan chuluut		Occur.**	45	48	00	96	16	00	Listvenite		Rocks for Construction Uses	3577
XIX	75	405		Ilrel		Occur.	45	39	00	96	43	00	Hard coal		<b>Fuel Resources</b>	4186
XIX	76	406		Togootyn gol		Occur.	45	37	00	96	55	00	Hard coal		<b>Fuel Resources</b>	4186
XIX	77	407		Ilrel		Occur.	45	34	00	96	54	00	Hard coal		<b>Fuel Resources</b>	4186
XX	78	408	939	<b>Biger</b>	Dep		45	47	00	97	05	00	Halite and Sodium Sulfide Resources		Continental Lake Evaporates	1936
XX	79	409	03402	<b>Oevgon shavart</b>	Dep		45	45	00	97	00	00	Clays		Rocks for Construction Uses	4585
XX	80	410		<b>Biger</b>	Dep		45	42	00	97	08	00	Clays		Rocks for Construction Uses	4585
XX	81	411		Suejiin bulag		Occur.	45	32	00	97	23	00	Hard coal		<b>Fuel Resources</b>	4186
XX	82	412		Shar sairyn shand		Occur.	45	32	00	97	52	00	Brown Coal		<b>Fuel Resources</b>	4186
XX	83	413	2058	<b>Zeegt</b>	Dep***		45	22	00	97	54	00	Hard coal		<b>Fuel Resources</b>	4186
XXI	84	414		<b>Chanadmani</b>	Dep		45	32	00	98	07	00	Marl		Rocks for Construction Uses	3601
XXI	85	415		Erdene-Uul		Occur.	45	31	00	98	06	00	Brown Coal		<b>Fuel Resources</b>	4186

0	1	2	3	6	4	5	7	8	9	10	11	12	13	14	15	16
XXI	86	416		Khar Argalantyn		Occur.	45	27	00	98	48	00	Hard coal		Fuel Resources	1633, 2313
XXI	87	417	03403	Khuslentei		Occur	45	20	00	98	20	00	Clays		Rocks for Construction Uses	4580
XXII	88	418	04568	Soegsoo tsahir		Occur.	45	22	15	99	29	30	Limestone		Rocks for Construction Uses	4940
XXIII	89	419		Tsagaan-Buht-Khudag		Occur.	45	58	00	100	35	00	Hard coal		Fuel Resources	1619, 2312
XXIII	90	420		<b>Urankairkan</b>	Dep***		45	55	30	100	22	00	Clay shale		Rocks for Construction Uses	4883
XXIII	91	421		<b>Alag</b>	Dep		45	50	00	100	30	00	Clay		Rocks for Construction Uses	4602
XXIII	92	422		Aman-Uus-khudag		Occur.	45	50	00	100	24	00	Hard coal		Fuel Resources	4276
XXIII	93	423		<b>Burd nuur</b>	Dep		45	46	20	100	19	00	Clay		Rocks for Construction Uses	4883
XXIII	94	424		Tuin gol		Occur.	45	43	00	100	45	00	Hard coal		Fuel Resources	1619, 2312
XXIII	95	425		Tsagaan nuur		Occur.**	45	36	00	100	00	00	Salt orHalite		Continental Lake Evaporates	2312
XXIII	96	426		<b>Shiiriin shand</b>	Dep		45	30	24	100	58	30	Different Colored Clay pigments		Mineral pigments	3750
XXIV	97	427		Taatsyn gol		Occur.	45	55	00	101	42	00	Quartz Veins		Quartz veins	939, 1696, 5012
XXIV	98	428	03401	Shargiin khad		Occur.	45	48	25	101	20	35	Crushed stone		Rocks for Construction Uses	4626
XXIV	99	429	2053	<b>Bayanteeg</b>	Dep***		45	42	00	101	34	00	Hard coal		Fuel Resources	2705, 4276
XXIV	100	430		Ilrel		Occur.	45	38	00	101	49	20	Clays		Rocks for Construction Uses	4276
XXIV	101	431		<b>Tahilt</b>	Dep		45	30	45	101	25	00	Volcanic cinders		Rocks for Construction Uses	4879
XXIV	102	432	05256	Shargiin gol		Occur.	45	30	00	101	30	00	Quartz Veins		Quartz veins	1895, 4580,5012
XXIV	103	433		<b>Ilrel</b>		Occur.	45	23	00	101	43	00	Brown Coal		Fuel Resources	2007
XXIV	104	434		<b>Ilrel</b>		Occur.	45	21	00	101	49	00	Brown Coal		Fuel Resources	2007
XXV	105	435		<b>Buuri nuur</b>	Dep***		45	06	00	96	03	00	Halite andSodium Sulfude Resources		Continental Lake Evaporates	1936, 2585,4186
XXVI	106	436		Ilrel		Occur.	44	46	00	97	52	00	Brown Coal		Fuel Resources	2585
XXVII	107	437		Aman gol		Occur.	44	56	00	98	30	00	Brown Coal		Fuel Resources	4186
XXVII	108	438		<b>Bayan-Oendor</b>	Dep		44	52	00	98	13	00	Amethyst		Gemstone	1863.3457

0	1	2	3	6	4	5	7	8	9	10	11	12	13	14	15	16
XXVII	109	439	00764	Gurvan angalag		Occur.	44	47	00	98	13	00	Amethyst		Gemstone	1863
XXVIII	110	440	2060	<b>Alag-Tsahir</b>	<b>Dep</b>		<b>45</b>	<b>13</b>	<b>00</b>	<b>99</b>	<b>09</b>	<b>00</b>	<b>Brown Coal</b>		Fuel Resources	<b>1765, 2313</b>
XXVIII	111	441		Ilrel		Occur.	45	12	10	99	02	00	Limestone		<b>Rocks for Construction Uses</b>	4940
XXVIII	112	442	03586	Atsyn khar uul		Occur.	45	12	00	99	07	00	Chalcedony		Gemstone	4940
XXVIII	113	443		Khoit-Ulaan-Bulag		Occur.	45	11	00	99	12	00	Oil shale		Fuel Resources	4276
XXVIII	114	444		Kholvoo gol		Occur.	45	09	00	99	03	00	Oil shale		Fuel Resources	4276
XXVIII	115	445	03584	Khoeshoot		Occur.	45	08	15	99	20	10	Chalcedony		Gemstone	4940
XXVIII	116	446		Nud khudag		Occur.	44	53	00	99	38	00	Brown Coal		Fuel Resources	4276
XXVIII	117	447	00759	Yagaan-Amny khudag		Occur.	44	50	00	99	54	00	Clays		<b>Rocks for Construction Uses</b>	1754, 4276
XXVIII	118	448		Ilrel 11		Occur.	44	40	00	99	32	00	Hard coal		Fuel Resources	1619, 2312
XXIX	119	449		<b>Kholvoo nuur</b>	<b>Dep</b>		<b>45</b>	<b>20</b>	<b>00</b>	<b>100</b>	<b>48</b>	<b>00</b>	<b>Halite and Sodium Sulfide Resources</b>		<b>Continental Lake Evaporates</b>	<b>1936, 4276</b>
XXIX	120	450	1034	<b>Khoenogt nuur</b>	<b>Dep***</b>		<b>45</b>	<b>11</b>	<b>00</b>	<b>100</b>	<b>11</b>	<b>00</b>	<b>Sodium Sulfide Resources</b>		<b>Continental Lake Evaporates</b>	<b>4276</b>
XXIX	121	451		Bogd uul		Occur.	45	07	00	100	46	00	Crushed stone			4222
XXIX	122	452		Ihk Bogd		Occur.	44	56	00	100	58	00	Brown Coal		Fuel Resources	92, 4276
XXIX	123	453		Sheveen khudag		Occur.	44	54	00	100	59	00	Agat		Gemstone	1863, 4276
XXIX	124	454		Devsger khudag		Occur.	44	53	00	100	56	00	Amethyst		Gemstone	Заботкин
XXIX	125	455		<b>Toromkhon-Am</b>	<b>Dep</b>		<b>44</b>	<b>52</b>	<b>00</b>	<b>100</b>	<b>58</b>	<b>00</b>	<b>Agat</b>		<b>Gemstone</b>	<b>4276, 4186</b>
XXIX	126	456		Dombon khuren		Occur.	44	50	00	100	46	00	Agat		Gemstone	1863
XXIX	127	457		Ihk bulag		Occur.	44	48	00	100	59	00	Brown Coal		Fuel Resources	2711, 4276
XXX	128	458		<b>Luugaryn khudag</b>	<b>Dep</b>		<b>45</b>	<b>19</b>	<b>00</b>	<b>101</b>	<b>17</b>	<b>00</b>	<b>Different Colored Clay pigments</b>		<b>Mineral pigments</b>	<b>3750</b>
XXX	129	459	1014	<b>Toromhon</b>	<b>Dep</b>		<b>44</b>	<b>57</b>	<b>00</b>	<b>101</b>	<b>01</b>	<b>00</b>	<b>Different Colored Clay pigments</b>		<b>Mineral pigments</b>	<b>3750</b>
XXX	130	460		Tseel khudag		Occur.	44	52	00	101	18	00	Brown Coal		Fuel Resources	2017, 2711
XXX	131	461	01222	Ilrel		Occur.	44	51	10	101	28	50	Quartz Veins		Quartz veins	4276

0	1	2	3	6	4	5	7	8	9	10	11	12	13	14	15	16
XXX	132	462		Shavart		Occur.	44	47	00	101	53	00	Chalcedony		Gemstone	2039
XXX	133	463		Toli bulag		Occur.	44	45	00	101	44	00	Brown Coal		Fuel Resources	4276
XXX	134	464	00774	<b>Maanit tolgoi</b>	<b>Dep</b>		<b>44</b>	<b>45</b>	<b>00</b>	<b>101</b>	<b>50</b>	<b>00</b>	<b>Amethyst</b>		<b>Gemstone</b>	<b>1900</b>
XXXIII	135	465		Shonh tolgoi		Occur.	44	28	00	98	28	00	Different Colored Clay pigments		Mineral pigments	1705
XXXIV	136	466		Bayan-ovoo		Occur.	44	35	00	99	42	00	Hard coal		Fuel Resources	4276
XXXIV	137	467		Doeroljiin khudag		Occur.	44	34	00	99	07	30	Brown Coal		Fuel Resources	4276
XXXIV	138	468		<b>Khotgor</b>	<b>Dep***</b>		<b>44</b>	<b>33</b>	<b>00</b>	<b>99</b>	<b>13</b>	<b>00</b>	<b>Hard coal</b>		<b>Fuel Resources</b>	<b>2711, 4276</b>
XXXIV	139	469		Ilrel 10		Occur.	44	27	00	99	24	00	Hard coal		Fuel Resources	1619.2312
XXXV	140	470		Alag-Shand		Occur.	44	28	00	100	27	00	Brown Coal		Fuel Resources	2079, 2711
XXXV	141	471	00771	Chandmani khairhan		Occur.	44	13	00	100	35	00	Amethyst		Gemstone	3710
XXXV	142	472		Toli khudag		Occur.	44	11	00	100	28	00	Amethyst		Gemstone	4276
XXVI	143	473		Ilrel		Occur.	44	37	00	101	54	00	Hard coal		Fuel Resources	4276

Explanation: Dep\*\*\*-Deposit is in operation

Occur\*\*-Occurrence without estimated Reserves

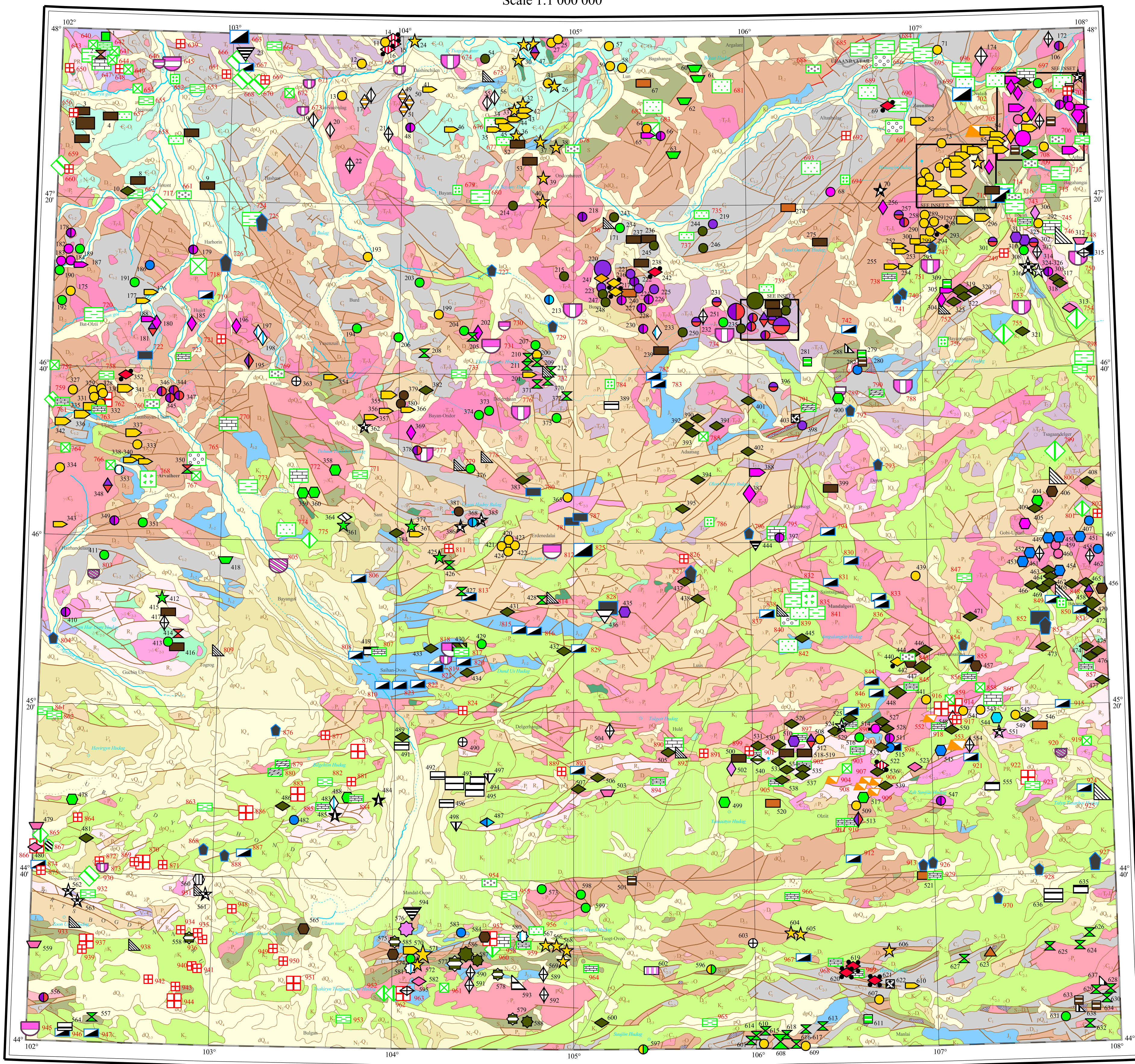
Passport No: 989-Deposit passport,

00768-Occurrence passport

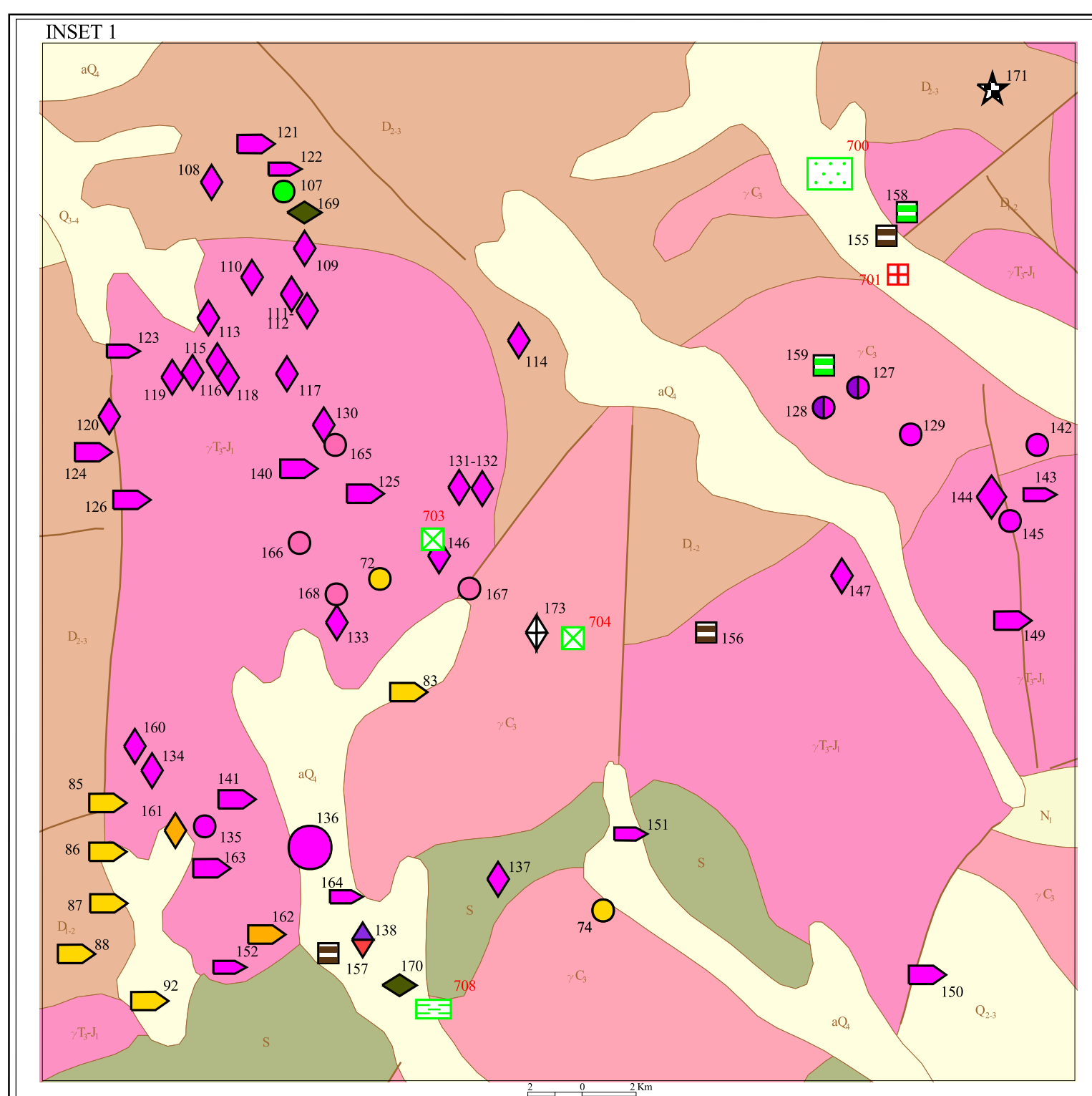
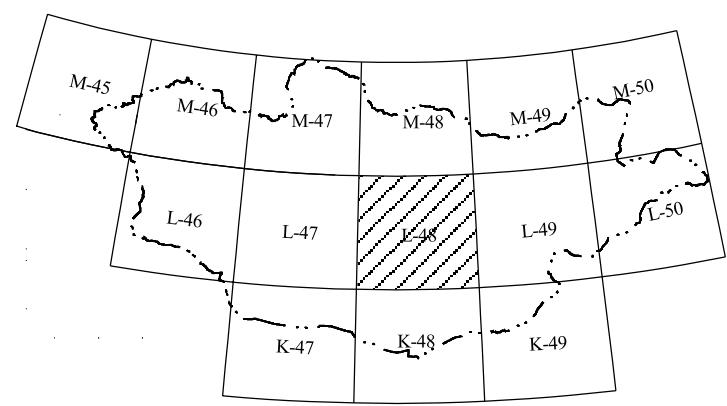
Numbers of Deposits and Occurrences are red in the "Distribution Map of Mineral Deposits and Occurrences in Mongolia" at the Scale of 1:1,000,000

MINERAL DEPOSITS AND OCCURRENCES OF MONGOLIA

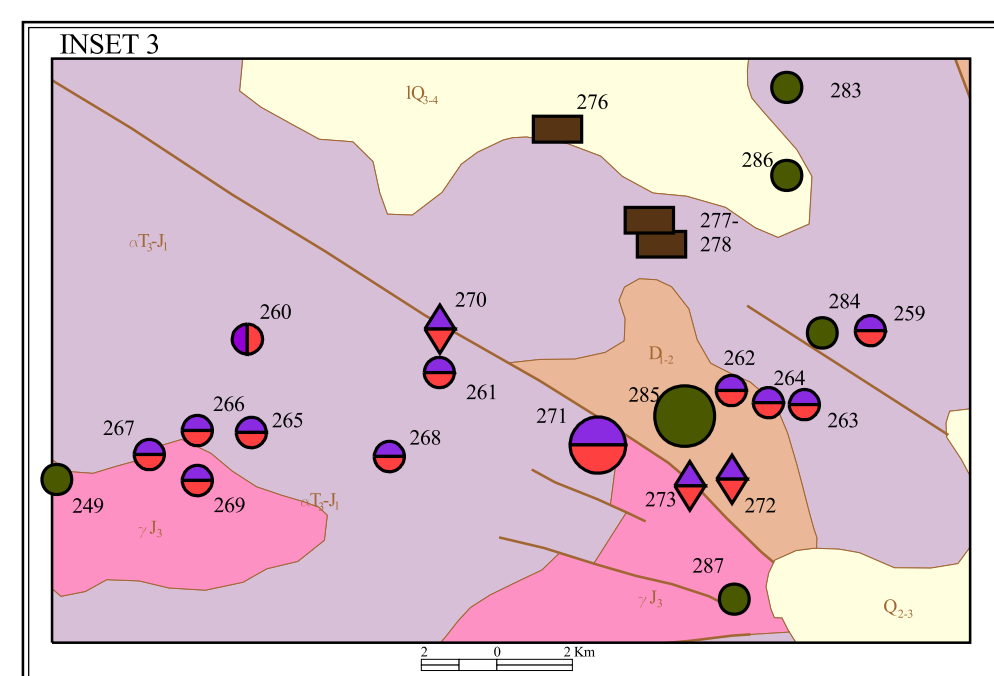
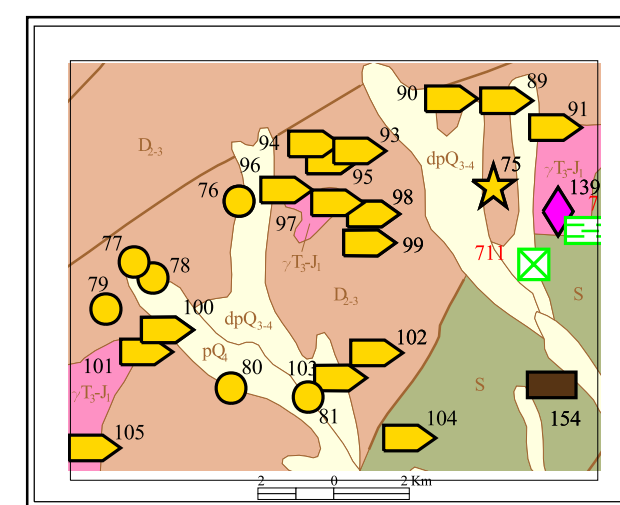
L-48  
Scale 1:1 000 000



kilometers 10 0 10 20 30 40 kilometers  
Projection: Transverse Mercator  
Spheroid: Krasovsky



Mineral deposits and occurrences compiled from Open File Reports of the Geological Information Center of MRAM, by **Boijir Bujinham**  
Digital cartography by Bold Zui; Geological Information Center, MRAM 2001.  
Geology from Geological Map of Mongolia at scale 1:1,000,000 compiled in 1999 by: G. Badarch, Ts. Makhbador, D. Orolmaa, P. Khosbayar, O. Tomarogov, Institute of Geology and Mineral Resources, Academy of Sciences of the Mongolia.  
Printed by Geological Information Center of MRAM in 2002. Ulaanbaatar



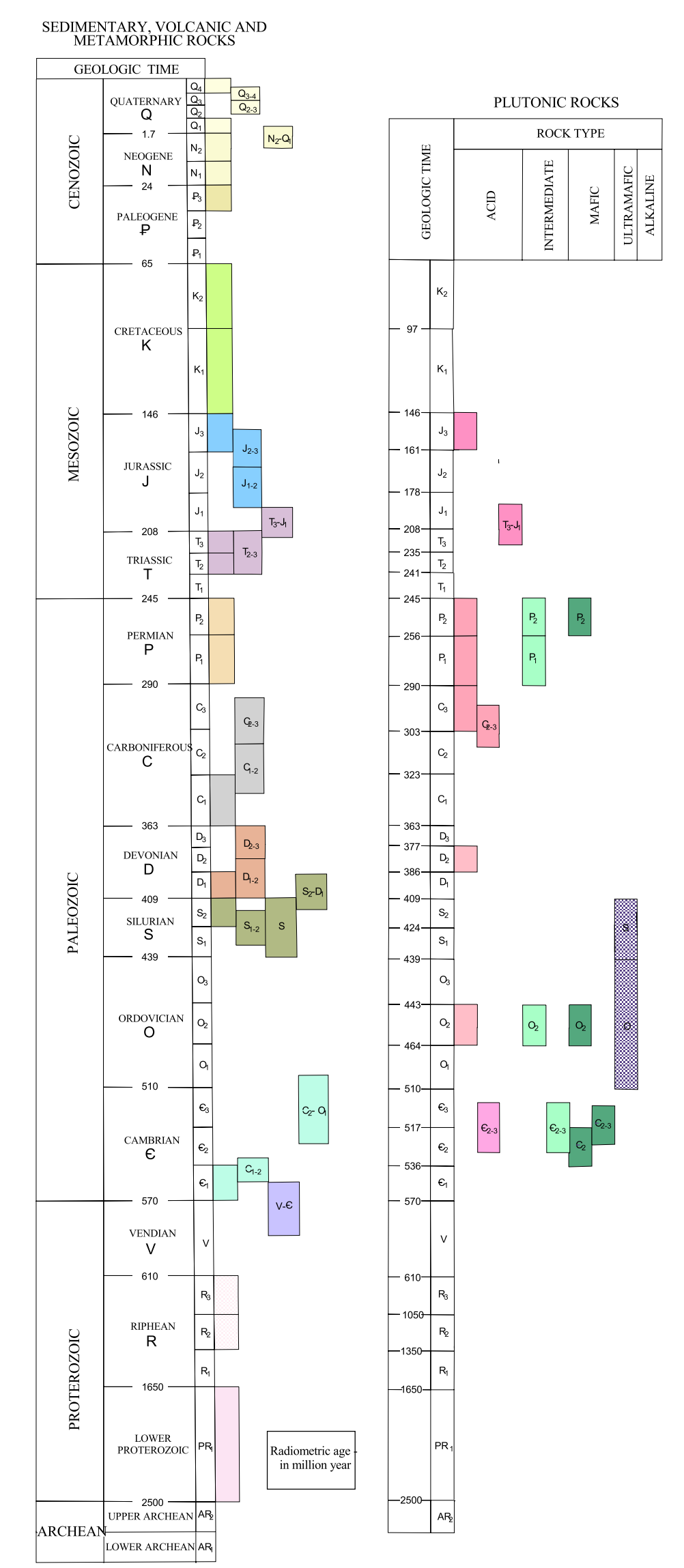
A. Metals, Asbestos, Graphite, Fluorite, Zeolite, Kaolinite, Alunite, Gypsum, Phosphate, Strontium Minerals, Optical Quartz, Mica, Sillimanite Group

Mineral Resources	Deposit	Occurrence
1. Deposits related to Mafic and Ultramafic Rocks		
1 Zoned mafic-ultramafic Ti-Fe		
2 Magmatic podiform Cr		
3 Cu-Ni-(PGE) sulfide mafic-ultramafic related		
4 Gabbroic Cu-Ni-(PGE)		
5 Serpentine-hosted asbestos		
2. Deposits related to Marine Felsic-Mafic Extrusive Rocks		
6 Volcanogenic-sedimentary Mn		
3. Deposits related to Subaerial Extrusive Rocks & Dyke Complexes		
7 Epithermal adularia-sericite type Au		
8 Clastic sediment-hosted Hg		
9 Clastic sediment-hosted Sb		
10 Silica-carbonate (listvenite) Hg		
11 Volcanic-associated Sb		
12 Epithermal vein/replacement fluorite		
13 Barite veins		
14 Volcanic-hosted breccia/replacement Ag-Pb-Zn-Cu (Au, Cu, Au)		
15 Volcanic-hosted U		
16 Basaltic Cu		
17 Ongonite-hosted Ta		
18 Volcanic-hosted zeolite		
19 Volcanogenic metasomatic kaolinite		
4. Stratiform & Stratabound Deposits in sedimentary rocks		
20 Sandstone-hosted Cu		
21 Sandstone-hosted U		
5. Deposits related to Calc-Alkaline & Alkaline Granitic Intrusions		
5.1. Pegmatite, Greisen & Alkaline metasomatic Deposits		
22 Li pegmatite		
23 Be pegmatite		
24 Ta-Nb-(REE) pegmatite		
25 Muscovite pegmatite		
26 Miarolitic & abyssal pegmatite		
27 W-Mo-Be greisen		
28 W-Mo greisen		
29 W-Sn greisen		
30 Nb-(Ta)-Zr-REE alkaline metasomatics		
31 Ta-Nb-REE alkaline metasomatics		
5.2. Skarn Deposits		
32 Fe (Cu, Au, W, Sn) skarn		
33 Fe-Zn skarn		
34 Cu (Fe, Au, Ag, Mo) skarn		
35 Pb-Zn (Ag, Cu, W, Fe) skarn		
36 W (Mo, Fe, Cu) skarn		
37 Sn (Fe) skarn		
38 Magnesite skarn		
5.3. Porphyry & Granitic Pluton-hosted Deposits		
39 Porphyry Mo (Cu, W, Sn, Bi, Ag)		
40 Porphyry Mo (Ag, Re)		
41 Porphyry Cu (Au, Ag)		
5.4. Granitoid Related vein, stockwork, metasomatic deposits		
42 Granitoid related Au		
43 Granitoid related Au-Ag-Cu		
44 Granitoid related stockwork/metasomatic Cu		
45 W (Mo) veins and stockwork		
46 W (Mo) veins and stockwork		
47 W-Mo-Be veins and stockwork		
48 Cassiterite-sulfide veins		
49 Sn (W) veins		
50 W (Sn) veins		
51 W-Sn veins		
52 Vein/replacement Ag-Pb-Zn		
53 Vein/replacement Pb-Zn		
54 Granitoid related U		
55 Tantalite granite		
56 Granitoid related vein/stockwork Bi		
57 Granitoid related stockwork/metasomatic Fe		
58 Mountain crystal bearing veins		
59 Granitoid related fluorite veins		
6. Deposits related to Alkaline Magmatic Rocks		
60 REE carbonatite		
61 Barite-celestite-strontite veins/breccia		
62 Be tuff		
63 Vein/replacement fluorite		
7. Sedimentary Mineral Deposits		
64 Sedimentary Fe (Mn)		
65 Sedimentary Mn (Fe)		
66 Sedimentary phosphate		
67 Sedimentary gypsum		
68 Sedimentary celestite		
8. Deposits Related to Metamorphosed Rocks		
69 Quartz-(carbonate) vein Au		
70 Vein Cu-Au		
71 Metamorphic magnesite replacement		
72 Metamorphic graphite		
73 Metamorphic disten-sillimanite-andalusite-kyanite		
9. Deposits Related to Surficial Process		
74 Placer		
75 Placer Sn (W)		
76 Placer columbite-tantalite		
77 Sedimentary kaolinite		
78 Sedimentary alunite		
79 Weathering crust magnesite		
80 Weathering crust kaolinite		

B. Fuel Resources, Gemstones, Silica Resources, Industrial Diamond, Continental Lake Evaporates, Mineral Pigments, Minerals and Rocks for Construction uses

Mineral Resources	Deposit	Occurrence
1. Fuel Resources		
1 Brown coal		
2 Hard coal		
3 Oil shale		
2. Gemstones		
4 Amethyst, Garnet, Chryzotile, Pyrope, Tourmaline, Chalcedony, Chalcidony, Agate, Onyx, Nephrite, Jadeite, Jemolite, Jasper, Coloured marble, Firestone, Opalized wood, Listvenite, Obsidian		
3. Silica Resources		
5 Silica Specialty Materials (vein Quartz, Quartzic sand stone)		
4. Continental Lake Evaporates		
6 Salt or Halite		
7 Halite and Sodium Sulfate Resources		
8 Sodium Sulfate Resources		
9 Soda Ash		
10 Epsomite		
5. Mineral Pigments		
11 Pigments, different colored clays		
6. Minerals and Rocks for Construction uses:		
12 Bitumen		
13 Clays (Fire clay, common clay)		
14 Sand (Quartz-fieldsparic)		
15 Sand and gravel		
16 Limestone		
17 Dolomite		
18 Perlite		
19 Volcanic cinders and pumice		
20 Stone Decorative (granite, gabbrodiortite, marble, granodiorite, pegmatite stock, granosyenite, felsite, dacite)		
21 Crushed Stones (sandstone, granite, andesite-porphyrite, basalt)		

LEGEND FOR GEOLOGY



**GENETIC TYPES OF QUATERNARY DEPOSITS**  
 a- alluvial d- talus  
 l- lake p- proluvial  
 la- lake-alluvial qp- proluvial-talus  
 v- colian

**OTHER SYMBOLS**  
 Subvolcanic bodies  
 Faults (normal, strike-slip and of an undetermined genesis)  
 Important thrusts  
 Geologic boundary  
 Facies boundary

**VOLCANIC AND SUBVOLCANIC ROCKS**  
 Mafic: b- basalt  
 Intermediate: a- andesite  
 Felsic: λ- dacite, rhyolite, quartz porphyry

**PLUTONIC ROCKS AND COMPLEXES**  
 Ultramafic: σ- dunite, peridotite, serpentinite melange  
 Mafic: v- gabbro, gabbroiorite v/s- gabbrodiortite  
 Intermediate: g- diorite  
 Felsic: γ-γ- granodiorite, tonalite, plagiogranite  
 γ- granite, leucogranite, γ-ε- granosyenite, quartz syenite, subalkaline granite, ε- syenite, nepheline-syenite, alkaline syenite

**ULAAABAATAR**  
 Zuumuud Provincial center  
 Aftast Villages  
 Lakes  
 Rivers  
 Road  
 Railway

**Metals & Industrial Minerals Deposits & Occurrences in the Sheet L-48**  
*Compiled by Boijiryn Bujinlkham*

Number in the L-48 sheet	Passport number in GIC	Deposit and occurrence name	Dep.	Occur.	Location						Major commodity	Minor commodity	Deposit type	Data source: Open File Report number in GIC, Mongolia
					Latitude			Longitude						
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1		Oortsog ovoo		Occur.	47	58	0	102	15	0	Cu	Ni, PGE	Gabbroic Cu-Ni-(PGE)	4812
2	02605	Honog		Occur.	47	53	39	102	13	37	Cu		Porphyry Cu	4135
3	02408	Budagt		Occur.	47	40	7	102	8	20	Fe		Sedimentary Fe(Mn)	4135
4	02409	Mongon tseej		Occur.	47	39	0	102	17	30	Fe		Sedimentary Fe(Mn)	4135
5	3-7	Tamir gol	Dep.		47	37	30	102	9	35	Fe		Sedimentary Fe(Mn)	666, 2374, 2477, 3003, 1635
6	02319	Hudag ovoo		Occur.	47	36	0	102	47	0	Fe		Sedimentary Fe(Mn)	2215
7	02410	Tsagaan nuur		Occur.	47	33	25	102	7	42	Fe		Sedimentary Fe(Mn)	4135
8	02411	Hotont		Occur.	47	24	0	102	28	15	Fe		Sedimentary Fe(Mn)	4135
9	02321	Lun		Occur.	47	23	30	102	53	0	Fe		Sedimentary Fe(Mn)	2215
10	02322	Jonsh tolgoi		Occur.	47	21	30	102	24	30	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	2215
11		Bayan har uul		Occur.	47	58	11	103	53	40	Au	Ag, As, Zn	Granitoid related Au	5030
12	04126	Baishint tolgoi		Occur.	47	53	10	103	45	25	Au	As, Ba	Granitoid related Au	5030
13		Ulaan khaalga uul		Occur.	47	46	0	103	39	0	Au	Ag	Granitoid related Au	5030
14	04458	Khuts ondor		Occur.	47	59	15	103	56	15	Sb	As, Zn, Sr	Clastic sediment-hosted Sb	5030
15	04457	Tsagaan uzuur		Occur.	47	58	20	103	58	0	Sb	As, Zn, Sr	Clastic sediment-hosted Sb	5030
16	04456	Bosgiin ukhaa		Occur.	47	56	38	103	54	0	Sb	As	Clastic sediment-hosted Sb	5030
17		Unnamed		Occur.	47	40	0	103	50	0	Nb		Ta-Nb-(REE) pegmatite	2040
18		Aguit uul		Occur.	47	46	0	103	49	0	muscovite		Muscovite pegmatite	5030
19	02829	Tsagaan khoshuu		Occur.	47	40	0	103	29	0	muscovite		Muscovite pegmatite	1046, 1500
20	02830	Tsagaan ondor		Occur.	47	37	38	103	34	46	muscovite		Muscovite pegmatite	1516
21	02612	Batuin gol		Occur.	47	37	10	103	55	35	Mountain crystal		Miarolitic and abyssal pegmatite	1500
22		Tsetserleg uul		Occur.	47	29	30	103	42	30	Mountain crystal		Miarolitic and abyssal pegmatite	1500, 1569
23		Tsagaan khotgor	Dep.		47	55	0	103	4	0	kaolinite		Sedimentary kaolinite	4135

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
24	00450	Dorgont uul		Occur.	47	59	15	104	4	0	Au		Regional metamorphism related quartz-(carbonate) vein Au	2575
25		Occurrence number 15		Occur.	47	58	50	104	53	45	Au		Granitoid related Au	3979, 1939
26		Occurrence number 16		Occur.	47	58	40	104	53	10	Au		Regional metamorphism related quartz-(carbonate) vein Au	3979, 1939
27		Occurrence number 17		Occur.	47	58	36	104	53	20	Au		Granitoid related Au	3979, 1939
28		Agit		Occur.	47	57	50	104	44	0	Au, Ag		Regional metamorphism related quartz-(carbonate) vein Au	3979
29		Occurrence number 12		Occur.	47	57	45	104	45	0	Au		Regional metamorphism related quartz-(carbonate) vein Au	3979
30	03906	Ondor ulaan uul		Occur.	47	54	22	104	40	30	Au	Mo, Cu, Sn	Regional metamorphism related quartz-(carbonate) vein Au	4749
31		Occurrence number 14		Occur.	47	49	0	104	51	30	Au		Granitoid related Au	3979, 1939
32	03909	Tavan khooloi		Occur.	47	43	30	104	42	22	Au		Regional metamorphism related quartz-(carbonate) vein Au	4749
33	02996	Sant uul		Occur.	47	42	20	104	39	57	Au		Regional metamorphism related quartz-(carbonate) vein Au	1939, 4713
34	03796	Suvraa-1		Occur.	47	40	0	104	36	30	Au		Placer Au	4713
35	03797	Suvraa-2		Occur.	47	38	20	104	32	4	Au		Placer Au	4713
36	03795	Busiin gozgor		Occur.	47	36	20	104	39	50	Au		Regional metamorphism related quartz-(carbonate) vein Au	4713
37	03473	Taliin ulaan uul		Occur.	47	35	30	104	48	50	Au		Regional metamorphism related quartz-(carbonate) vein Au	4974
38		Nomgon		Occur.	47	34	0	104	54	0	Au		Regional metamorphism related quartz-(carbonate) vein Au	4974
39		Unnamed II-6-27		Occur.	47	27	0	104	50	0	Au		Regional metamorphism related quartz-(carbonate) vein Au	1894
40	03798	Khondlon		Occur.	47	21	11	104	49	18	Au	Ag, Mo, Zn	Regional metamorphism related quartz-(carbonate) vein Au	4713
41		Budagt uul		Occur.	47	47	13	104	8	44	Au		Placer Au	4771
42		Gozgor uulyn zuun am		Occur.	47	43	0	104	42	0	Au		Placer Au	4974
43	03472	Khuushiin am		Occur.	47	42	0	104	42	0	Au		Placer Au	4979, 4974
44	03468	Mondoliin ar khooloi		Occur.	47	41	0	104	40	0	Au		Placer Au	4974
45	03471	Emeel tolgoiin am	Dep.		47	39	0	104	36	0	Au		Placer Au	4979, 4974
46	03469	Zuun suvraa		Occur.	47	38	0	104	17	0	Au		Placer Au	4974
47	02605	Occurrence number 19		Occur.	47	56	15	104	46	20	W	Cu, Pb, Zn, Bi, Ag	W-Mo-Be greisen	3979
48		Baga orkhtei uul		Occur.	47	39	0	104	2	0	W		W-Sn veins	4771
49		Unnamed		Occur.	47	49	30	104	1	20	Nb		Ta-Nb-(REE) pegmatite	2040

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
50		Unnamed		Occur.	47	44	40	104	3	0	Nb		Ta-Nb-(REE) pegmatite	2040
51		Unnamed		Occur.	47	42	40	104	5	0	Nb		Ta-Nb-(REE) pegmatite	2040
52	03799	Khavtsal uul		Occur.	47	35	40	104	40	1	Fe	Cu, Mo, Au	Sedimentary Fe	4713
53	03794	Uyanga		Occur.	47	30	40	104	45	1	Fe	Ti, Mn, Au	Sedimentary Fe	4713
54	05197	Bayan ulaan uul		Occur.	47	55	0	104	29	0	CaF <sub>2</sub>		Granitoid related fluorite veins	1438, 1939
55	02832	Khar chuluut		Occur.	47	45	9	104	31	46	muscovite		Muscovite pegmatite	1516
56	02831	Tsagaan tolgoi		Occur.	47	45	0	104	30	9	muscovite		Muscovite pegmatite	1516
57		Gyalangar		Occur.	47	58	0	105	12	15	Au, Ag		Granitoid related Au	3979
58		Berst-1		Occur.	47	53	0	105	17	0	Au		Granitoid related Au	4717
59		Gyalalzakh		Occur.	47	53	0	105	14	0	Au		Granitoid related Au	4717
60		Kharmagtai		Occur.	47	52	30	105	42	30	Cu		Sandstone-hosted Cu	1803
61	02616	Khar yamaat		Occur.	47	50	15	105	43	30	Cu		Sandstone-hosted Cu	1803, 2991
62		Unnamed		Occur.	47	44	45	105	39	30	Cu		Sandstone-hosted Cu	1803
63		Unnamed		Occur.	47	32	30	105	35	30	Cu		Sandstone-hosted Cu	1803
64		Avdar		Occur.*	47	38	0	105	26	0	Ta-Nb		Tantalitic granite	1881
65		Avdaryn buleg ilrel		Occur.	47	38	0	105	26	0	Sn	Ta-Nb, W, Zr	Placer Sn	1881
66		Unnamed		Occur.	47	37	0	105	30	40	W-Sn	Sn, Bi, Ag, Cu, Pb, Zn, Li	W-Sn veins	2475
67	02514	Unnamed		Occur.	47	49	15	105	26	0	Mn		Sedimentary Mn	1657
68	02517	Ivgelt uul		Occur.	47	23	0	106	30	0	Sn	W, Be	Sn(W) veins	1940, 3936
69	02516	Takhilt		Occur.	47	43	0	106	50	0	Hg		Clastic sediment-hosted Hg	1940
70	02619	Unnamed		Occur.	47	22	50	106	47	0	graphite		Metamorphic graphite	3904
71	02620	Gachuurt gol		Occur.	47	56	0	107	8	0	Au		Granitoid related Au	1488, 939, 444
72		Ulaan ereg №62		Occur.	47	39	18	107	38	17	Au, Ag		Granitoid related Au	3042
73	03908	Salkhit uul		Occur.	47	33	40	107	9	0	Au		Granitoid related Au	4749, 5208
74	02385	Ih bulag		Occur.	47	32	30	107	44	35	Au-Ag	As	Granitoid related Au	3042, 3469
75		Khatsaryn ukhaa		Occur.	47	29	0	107	22	0	Au		Regional metamorphism related quartz-(carbonate) vein Au	1845
76	04664	Deliin uzuur tolgoi		Occur.	47	28	35	107	8	45	Au		Granitoid related Au	5208
77	04665	Khatuu khankhai		Occur.	47	26	25	107	3	20	Au		Granitoid related Au	5208
78	04663	Maanit uul		Occur.	47	26	0	107	4	0	Au		Granitoid related Au	5208



0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
79	04666	Khajuu ukhaa tolgoi		Occur.	47	25	0	107	1	45	Au		Granitoid related Au	5208
80	04667	Tsagaan owoo		Occur.	47	22	0	107	8	0	Au		Granitoid related Au	5208
81	04660	Unegt uul		Occur.	47	21	45	107	12	20	Au		Granitoid related Au	5208
82		Ih noyon gol	Dep.		47	39	0	107	1	0	Au		Placer Au	4792
83		Baruun urt baruun deed kheseg	Dep.***		47	37	0	107	39	0	Au		Placer Au	5329
84		Baruun urt	Dep.***		47	36	0	107	25	0	Au		Placer Au	3690, 3762, 4776
85		Bongiin am	Dep.**		47	35	0	107	30	0	Au		Placer Au	576
86		Buural khangain khooloi	Dep.**		47	34	0	107	30	0	Au		Placer Au	576
87		Nariin am	Dep.		47	33	0	107	30	0	Au		Placer Au	576
88		Airagiin enger dood kheseg	Dep.		47	32	0	107	29	0	Au		Placer Au	576
89		Khokh khadny bulag	Dep.		47	32	0	107	22	0	Au		Placer Au	576
90		Bor talyn ekh	Dep.**		47	32	0	107	21	0	Au		Placer Au	576
91		Baruun urt deed kheseg	Dep.***		47	31	0	107	26	0	Au		Placer Au	576
92		Urtyn golyn ekh	Dep.		47	31	0	107	31	0	Au		Placer Au	576
93		Khuts uul	Dep.		47	30	20	107	14	15	Au		Placer Au	3469, 5208
94	03908	Salkhit	Dep.***		47	30	10	107	12	25	Au		Placer Au	5208
95	02383	Khoshuu uul	Dep.***		47	30	0	107	13	0	Au		Placer Au	3469, 3762
96	05154	Nalgar	Dep.**		47	29	0	107	10	30	Au		Placer Au	4631, 5208
97		Ih bulagiin khondii	Dep.		47	28	20	107	14	0	Au		Placer Au	5208
98		Ih bulag	Dep.		47	28	10	107	14	30	Au		Placer Au	5208
99		Salhityn baruun deed jalga	Dep.		47	27	0	107	15	0	Au		Placer Au	5329
100	04672	Jargalantyn khondii	Dep.		47	24	0	107	4	0	Au		Placer Au	5208
101	04674	Bayan chuluutyn khondii	Dep.		47	23	20	107	3	0	Au		Placer Au	5208
102		Shine usny khudag	Dep.		47	23	0	107	15	0	Au		Placer Au	5329
103		Unegt	Dep.		47	22	0	107	12	45	Au		Placer Au	5208
104		Khooltyn baruun salaa	Dep.		47	20	0	107	17	0	Au		Placer Au	5329
105		Bayangolyn khondii	Dep.		47	20	0	107	0	0	Au		Placer Au	5208
106	02382	Sant uul		Occur.	47	55	30	107	51	30	W	Mo, Ag	W-Mo veins and stockworks	3762
107	02621	Bayan davaa		Occur.	47	46	50	107	36	30	Cu		Granitoid related Cu	3042

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
108	02676	Shine №31		Occur.	47	47	15	107	33	45	Sn	Zn	W-Sn greisen	3042
109		Bayan davaa №30		Occur.	47	45	55	107	36	25	Sn		W-Sn greisen	3042
110		Jaakhan elst		Occur.	47	45	18	107	34	50	Sn	W	W-Sn greisen	3042
111		Khadtai №28		Occur.	47	44	52	107	36	5	Sn	W	W-Sn greisen	3042
112		Elst uul №27		Occur.	47	44	47	107	36	14	Sn		W-Sn greisen	3042
113		Elstei-2		Occur.	47	44	35	107	33	30	Sn		W-Sn greisen	3042
114		Elstei-1		Occur.	47	43	55	107	42	40	Sn		W-Sn greisen	3042
115		Oromdlog №17		Occur.	47	43	42	107	33	45	Sn	As	W-Sn greisen	3042
116	02417	Elst		Occur.	47	43	30	107	33	0	Sn-W	CaF <sub>2</sub>	W-Sn greisen	1942, 2033
117		Oirkhog №29		Occur.	47	43	25	107	35	50	Sn	W	W-Sn greisen	3042
118		Oromdlog №25		Occur.	47	43	25	107	34	0	Sn		W-Sn greisen	3042
119		Elstiin urd gol		Occur.	47	43	25	107	32	30	Sn		W-Sn greisen	3042
120		Baruun elstei		Occur.	47	42	40	107	30	35	Sn	W	W-Sn greisen	3042
121	132	Bayan davaa	Dep.		47	48	0	107	35	0	Sn		Placer Sn(W)	3378, 639, 2075, 3657, 3202
122	110	Amfiteatr		Occur.	47	47	30	107	36	0	Sn		Placer Sn(W)	2278, 3657, 2075
123		Bayan tuul		Occur.	47	44	0	107	31	0	Sn		Placer Sn(W)	2692
124	177	Elstei	Dep.		47	42	0	107	30	0	Sn		Placer Sn(W)	3474, 2278, 3202
125	176	Zuun elstei	Dep.		47	41	0	107	38	0	Sn		Placer Sn(W)	2075
126		Urd elstei	Dep.		47	41	0	107	31	0	Sn		Placer Sn(W)	2692
127		Baruun dotluur		Occur.	47	42	45	107	52	40	W	Sn	W-Sn veins	3042
128		Art №50		Occur.	47	42	20	107	51	40	W	Sn	W-Sn veins	3042
129		Zuun dotluur		Occur.	47	41	45	107	54	10	Sn		Sn(W) veins	3042
130		Tuv №34		Occur.	47	42	5	107	37	0	Sn	W	W-Sn greisen	3042
131	00357	Ulaan burd		Occur.	47	41	0	107	41	0	Sn	W	W-Sn greisen	2427, 1942, 2158, 2033, 3042
132		Tamgan onдор №8		Occur.	47	41	0	107	40	50	Sn	Pb-Zn, Cu	W-Sn greisen	3042
133		Tsogt		Occur.	47	38	25	107	37	0	Sn	W	W-Sn greisen	3042
134		Urt		Occur.	47	35	33	107	31	28	Sn-W	Li, Cu	W-Sn greisen	2309
135		Urt gozgor		Occur.	47	34	30	107	33	0	Sn	CaF <sub>2</sub> , W, Cu, Pb	Sn(W) veins	619, 1658

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
136	02527, 13-62	Janchivlan	Dep.		47	34	0	107	36	0	Sn	W	Sn(W) veins	638, 1942, 2309, 3657
137	02421	Khavirgyn davaa		Occur.	47	33	10	107	41	28	Sn	W	W-Sn greisen	3042
138		Khailaast №43		Occur.	47	32	0	107	37	30	W	Sn, Be, Bi, Li, Pb, Ag, Zn, Cu	W-Mo-Be greisen	3042
139	02532	Baga khangai		Occur.	47	28	0	107	25	31	Sn		W-Sn greisen	3469
140	105	Baatar	Dep.		47	41	30	107	36	0	Sn		Placer Sn(W)	1942, 2075, 2278, 3657, 3202
141	13-62	Janchivlan	Dep.		47	35	0	107	34	0	Sn		Placer Sn(W)	639, 2075
142	13-10	Zuun avdarant		Occur.	47	41	28	107	58	0	Sn		Sn(W) veins	3042
143		Zuun avdarant		Occur.	47	40	28	107	58	0	Sn		Placer Sn(W)	3042
144		Jaakhan avdarant	Dep.		47	40	18	107	56	24	Sn		W-Sn greisen	1942
145		Avdarant uul	Dep.	Occur.	47	40	0	107	57	0	Sn	W	Sn(W) veins	3042
146		Ulaan burd №35	Dep.	Occur.	47	39	40	107	40	5	Sn	W	W-Sn greisen	3042
147	00356	Enger	Dep.	Occur.	47	39	0	107	52	0	Sn		W-Sn greisen	2158, 3042
148	193	Avdarant	Dep.		47	38	0	107	59	0	Sn		Placer Sn(W)	1563, 636, 2278, 3202
149	192, 13- 11	Baruun avdarant	Dep.		47	38	0	107	57	0	Sn		Placer Sn(W)	3202, 2078, 3378, 2075, 3202, 3657
150		Avdarantyn buleg ord	Dep.		47	31	0	107	54	0	Sn		Placer Sn(W)	2078, 2075, 3657
151	02527, 13-62	Yol khudag		Occur.	47	34	0	107	45	30	Sn		Placer Sn(W)	3223
152		Buural khangai uul		Occur.	47	31	40	107	33	30	Sn	Ta	Placer Sn(W)	1881, 3223
153	02419	Arkhusht №1		Occur.	47	36	25	107	58	40	Fe		Zoned mafic-ultramafic Ti-Fe	3042
154		Unnamed		Occur.	47	22	15	107	25	40	Fe		Sedimentary Fe	3042
155	02526	Khukh davaa		Occur.	47	45	41	107	53	51	Cr	Ni, Co	Magmatic podiform Cr	4443
156		Ikh enger		Occur.	47	38	0	107	48	0	Cr	Ni, Co, Cu	Magmatic podiform Cr	3042
157		Buural khangai №14		Occur.	47	31	50	107	36	30	Cr	Ni, Co, Cu	Magmatic podiform Cr	3042
158	02622	Khar uzuur		Occur.	47	46	8	107	54	21	Ni		Cu-Ni sulfide mafic-ultramafic related	3042
159	02623	Nogoon davaa		Occur.	47	43	10	107	51	42	Ni		Cu-Ni sulfide mafic-ultramafic related	3042
160		Urt №7		Occur.	47	36	0	107	31	0	Sn	Pb-Zn	W-Sn greisen	3042
161	02420	Urt gozgor		Occur.	47	34	30	107	32	15	Ta-Nb	Li, Sn, Be	Nb(Ta)-Zr-REE alkaline metasomatites	1881
162		Urt gozgor	Dep.		47	32	15	107	34	30	Ta-Nb	tantalite-columbite, monacite, Sn	Placer columbite-tantalite	1881

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
163		Urt gozgor	Dep.		47	33	40	107	33	0	Sn	Ti, Nb, Ta, Ce, La, Zr	Placer Sn	619, 1881, 3223, 3202
164	02530	Buural khantai		Occur.	47	33	0	107	37	0	Sn	Ta-Nb	Placer Sn	1881
165	00394	Elst (1308, 3 anomaly)		Occur.	47	42	0	107	37	0	U		Granitoid related U	2451
166	00396	Arshaan (1309 anomaly)		Occur.	47	40	0	107	36	0	U		Granitoid related U	2451
167	00393	Tamga (376 anomaly)		Occur.	47	39	0	107	41	0	U		Granitoid related U	2451
168	00392	Urt (376 anomaly)		Occur.	47	39	0	107	37	0	U		Granitoid related U	2451
169		Bayan davaa №72		Occur.	47	46	30	107	36	28	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	3042
170		Janchivlan		Occur.	47	31	10	107	38	30	CaF <sub>2</sub>	crystal	Epithermal vein/replacement fluorite	204, 1440
171		Unnamed		Occur.	47	48	33	107	56	53	graphite		Metamorphic graphite	939
172	00082	Zamt uul		Occur.	47	57	0	107	48	0	crystal		Miarolitic and abyssal pegmatite	1459
173		Unnamed		Occur.	47	38	0	107	43	0	crystal		Miarolitic and abyssal pegmatite	1407
174		Gorkhit	Dep.*		47	51	0	107	25	0	crystal		Miarolitic and abyssal pegmatite	1658, 1672
175		Unnamed №20		Occur.	46	58	0	102	6	0	Au	As	Granitoid related Au	1831
176	03466	Jargalantyn am		Occur.	46	58	40	102	32	10	Au		Placer Au	4946
177	03470	Nariiny		Occur.	46	57	15	102	20	25	Au		Placer Au	5015
178	02533	Tomor khairkhan		Occur.	47	11	45	102	5	15	W	Sn	W-Sn veins	2622, 1870
179		Unnamed		Occur.	47	8	20	102	48	20	W	Sn	W-Sn veins	2034
180	02537	Olon turuun		Occur.	46	51	0	102	36	0	W	Sn	W-Sn greisen	654, 1831, 3912
181	02538	Artsat		Occur.	46	49	38	102	35	42	W	CaF <sub>2</sub> , Sn, Be	W-Mo-Be greisen	4218
182		Ovoot tolgoi		Occur.	47	7	45	102	5	0	Sn		Sn(W) veins	5015
183	02535	Jargalant		Occur.	47	4	47	102	2	30	Sn		Sn(W) veins	2622, 1831, 5015
184	04278	Tsagaan sum		Occur.	47	4	3	102	8	20	Sn		Sn(W) veins	655
185	04277	Duut		Occur.	46	50	50	102	48	30	Sn	Cu, Pb, Zn, Bi, Ag	W-Sn greisen	4946
186		Occurrence number II		Occur.	47	4	50	102	33	10	Pb		Granitoid related vein/replacement Pb-Zn	2034
187	02534	Unnamed		Occur.	47	4	3	102	8	20	Sn		Placer Sn(W)	655
188	02536	Unnamed		Occur.	46	51	30	102	34	40	Sn		Placer Sn(W)	643
189	04377	Chandmani		Occur.	47	8	0	102	9	0	Cu	Sn, Zn, As	Granitoid related Cu	5015
190	04386	Artsat uul		Occur.	47	3	0	102	2	0	Cu	Sn, Be, Zn, Pb	Granitoid related Cu	5015
191	04378	Shuuvaa		Occur.	47	0	40	102	28	10	Cu	Au, W, Bi	Granitoid related Cu	5015

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
192	04376	Khadan khushuu		Occur.	46	55	47	102	3	40	Cu	As, Sn	Granitoid related Cu	5015
193		Occurrence number 22		Occur.	47	7	40	103	48	30	Au	Ag	Granitoid related Au	2040
194		Oyuut khonkhor		Occur.	46	51	0	103	45	0	Cu	Ag	Granitoid related Cu	1522
195		Occurrence number 24		Occur.	46	42	50	103	8	20	W-Mo	Cu	W-Mo greisen	2034
196	02539	Unnamed		Occur.	46	51	0	103	3	12	Sn	Cu	W-Sn greisen	630
197	02841, 02540	Dulaan ovoo		Occur.	46	48	50	103	11	40	Be	CaF <sub>2</sub>	Be pegmatite	2034, 2944
198		Unnamed-22		Occur.	46	48	10	103	12	0	Be		Be pegmatite	2034
199		Occurrence 26		Occur.	46	54	20	104	13	20	Au, Ag		Granitoid related Au	2040
200	04660	Unegtei uul		Occur.	46	44	20	104	46	50	Au, Ag		Granitoid related Au	1955
201		Targan		Occur.	46	40	0	104	44	30	Au		Placer Au	4804
202		Bayan-ondor		Occur.	46	49	15	104	26	20	Sn	W, Cu, Pb-Zn	W-Sn greisen	4804
203		Unnamed №23		Occur.	47	1	50	104	6	40	Cu		Granitoid related Cu	2040
204		Unnamed №8		Occur.	46	50	30	104	22	0	Cu	Ag	Granitoid related Cu	1955
205	02628	Tariat gol-2		Occur.	46	48	54	104	25	36	Cu		Porphyry Cu	632, 1955
206		Serten		Occur.	46	48	40	104	0	0	Cu		Granitoid related Cu	1522
207	02629	Ormogtei uul		Occur.	46	47	0	104	47	0	Cu		Granitoid related Cu	1955
208		Oyuut №27		Occur.	46	44	50	104	8	40	Cu	Ag	Porphyry Cu	632, 2991
209	02630	Unegtei ovoo-1		Occur.	46	43	30	104	46	45	Cu	Mo	Porphyry Cu	632, 1955, 3704
210		Unegtei ovoo-2		Occur.	46	43	45	104	45	15	Cu		Porphyry Cu	632, 1955, 3704
211	05571	Turmaliny khesege		Occur.	46	43	0	104	46	0	Cu	Mo	Porphyry Cu	632, 1955, 3704
212		Bayan uul		Occur.	46	41	0	104	52	45	Cu	Mo	Porphyry Cu	632, 1955, 3704
213	02627	Shand bulag		Occur.	46	58	0	104	51	30	Zn		Granitoid related vein/replacement Ag-Pb-Zn	1955
214		Unnamed		Occur.	47	19	50	104	39	10	CaF <sub>2</sub>		Granitoid related fluorite veins	1894
215	02843	Zurkh uul		Occur.	47	3	0	104	57	0	CaF <sub>2</sub>		Granitoid related fluorite veins	1894
216		Ondor tolgoi		Occur.	47	1	30	105	13	20	Ag		Epithermal adularia-sericite type Au-Ag	3709
217	02637	Ondor del		Occur.	46	59	10	105	15	45	Ag		Epithermal adularia-sericite type Au-Ag	3709
218	02542	Ar onjuul		Occur.	47	19	55	105	3	0	W		W(Sn) veins	3808
219	02541	Bayan ondor		Occur.	47	15	44	105	48	46	W	CaF <sub>2</sub>	W(Mo) veins and stockworks	1802, 1980, 3709
220	02433	Ongon khairkhan	Dep.**		47	3	0	105	10	0	W	CaF <sub>2</sub>	W(Mo) veins and stockworks	2013, 3709, 2818, 1799

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
221		Baruun onjuul №45		Occur.	47	3	40	105	19	22	W		W(Mo) veins and stockworks	1799
222	02431	Otson uul		Occur.	47	2	0	105	21	0	W		W(Sn) veins	1799, 1980
223		Kheseg №7		Occur.	47	0	56	105	9	50	W		W(Mo) veins and stockworks	1647
224	02435	1672,9 ondoorlog		Occur.	47	0	30	105	22	30	W		W(Mo) veins and stockworks	1799, 1980
225		Zuun ondor		Occur.	47	0	20	105	27	40	W		W(Mo) veins and stockworks	1799
226	00185	Tsagaan khoroot		Occur.	46	58	0	105	26	0	W	Sn, Zn, Pb, Be	W-Sn veins	3808, 3709
227	00184	Tsagaan khudag №46		Occur.	46	57	40	105	16	50	W		W-Sn veins	1799
228	00183	Oortsog ulaan №57		Occur.	46	56	0	105	23	30	W		W-Sn veins	1799, 3709
229	05040	Ikh khairkhan	Dep.**		46	54	45	105	55	45	W-Mo	Sn, Be, CaF <sub>2</sub>	W-Mo veins and stockworks	610, 2284
230	02543	Gishguur khudag		Occur.	46	51	0	105	24	0	W	Sn	W-Sn veins	1980
231	02444	Bumbat khudag		Occur.	46	57	10	105	50	0	Be	Mo	W-Mo-Be veins and stockworks	610
232		Unnamed №3092		Occur.	46	52	40	105	43	0	Be	Li, Bi	W-Mo-Be veins and stockworks	638
233	02441	Khavkhastai khudag		Occur.	46	50	21	105	29	10	Be		Be pegmatite	1799, 3808
234		Unnamed		Occur.	47	15	0	105	16	0	Cu		Granitoid related Cu	617
235	02639	Saran us khudag		Occur.	46	52	30	105	52	0	Cu		Granitoid related Cu	1799
236		Salkhit I, II, III		Occur.	47	12	0	105	26	0	Fe	Mn, Ag	Sedimentary Fe	3709
237	02428	Daagan del		Occur.	47	12	15	105	21	20	Fe		Sedimentary Fe	1802
238	02636	Erdene khangai		Occur.	47	6	0	105	24	0	Fe		Sedimentary Fe	1891, 3709
239	02544	Ar sertegiin shand khudag		Occur.	46	45	55	105	30	0	Fe		Sedimentary Fe	2027
240		Zuun ondor del		Occur.	46	59	20	105	17	30	Mn		Sedimentary Mn	3709
241		Ongon khairkhan		Occur.	47	4	0	105	10	0	Ta	Nb	Ongonite-hosted Ta	2167, 1956
242	02430	Sangiin ondor uul		Occur.	47	4	0	105	28	0	Hg		Clastic sediment-hosted Hg	1799
243	05044	Sudal uul		Occur.	47	17	40	105	14	25	CaF <sub>2</sub>		Granitoid related fluorite veins	414(1459)
244	02845	Bayan ondor uul		Occur.	47	14	0	105	45	20	CaF <sub>2</sub>		Granitoid related fluorite veins	1802, 3709
245	02846	Khar uul		Occur.	47	10	42	105	28	35	CaF <sub>2</sub>		Granitoid related fluorite veins	1802
246		Unnamed		Occur.	47	10	0	105	45	30	CaF <sub>2</sub>		Granitoid related fluorite veins	1802
247	02848	Buren		Occur.	46	59	25	105	10	30	CaF <sub>2</sub>		Granitoid related fluorite veins	647, 1564
248	02433	Ongon khairkhan		Occur.	46	58	0	105	11	0	CaF <sub>2</sub>		Granitoid related fluorite veins	1799
249	02850	Baga khairkhan		Occur.	46	51	0	105	58	0	CaF <sub>2</sub>		Granitoid related fluorite veins	610

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
250	02851	Zuun zaraa tolgoi uul		Occur.	46	50	0	105	38	0	CaF <sub>2</sub>		Granitoid related fluorite veins	1799
251		Khairkhan		Occur.	46	53	30	105	45	0	crystal		Miarolitic and abyssal pegmatite	1672
252	03944	Bor tolgoi		Occur.	47	9	40	106	52	45	Au		Placer Au	4776
253	05155	Amaryn rashaan		Occur.	47	8	30	106	53	30	Au		Placer Au	4631, 4776
254	03945	Kheree tordogiin		Occur.	47	5	0	106	51	30	Au		Placer Au	4776
255	03943	Aduunchuluu		Occur.	47	5	0	106	48	10	Au		Placer Au	4776
256	02545	Greizen №4		Occur.	47	18	40	106	47	35	Sn		W-Sn greisen	3904
257	02547	Avdar		Occur.	47	16	30	106	53	18	Mo		W-Mo-Be veins and stockworks	610, 3904
258	02546	Sheelit №1		Occur.	47	15	35	106	54	40	W		W-Mo veins and stockworks	3904
259	00064	Zuun khashaat khudag khoid		Occur.	46	53	0	106	15	0	W	CaF <sub>2</sub>	W-Mo-Be veins and stockworks	669, 1718
260	02445	Uchastok 1		Occur.	46	53	0	106	2	0	W		W-Mo veins and stockworks	1647, 640
261		Tsant uul		Occur.	46	52	30	106	6	0	W	Be	W-Mo-Be veins and stockworks	1987
262	00012	Shine		Occur.	46	52	10	106	12	0	W		W-Mo-Be veins and stockworks	1780
263		Zuun khashaat khudag baruun-1		Occur.	46	52	0	106	13	20	W	CaF <sub>2</sub>	W-Mo-Be veins and stockworks	619, 1718
264		Kheseg №4		Occur.	46	52	0	106	13	0	W		W-Mo-Be veins and stockworks	1647
265	<sup>00010,</sup> 02391, 14- 07	Ulaan uud		Occur.	46	51	40	106	2	8	W	CaF <sub>2</sub>	W-Mo-Be veins and stockworks	1718, 1815
266	02437	Ochiryn khudag		Occur.	46	51	40	106	1	0	W	CaF <sub>2</sub>	W-Mo-Be veins and stockworks	1718
267	02440	Perevalinoe		Occur.	46	51	20	106	0	0	W		W-Mo-Be veins and stockworks	1718
268	02390	Maikhan khudag		Occur.	46	51	15	106	5	0	W	CaF <sub>2</sub>	W-Mo-Be veins and stockworks	649, 1647, 1718
269	02389	Naadam		Occur.	46	51	0	106	1	0	W	CaF <sub>2</sub>	W-Mo-Be veins and stockworks	1718, 891
270	02446	Tov (khoid)		Occur.	46	53	2	106	6	0	W	CaF <sub>2</sub>	W-Mo-Be greisen	1891, 1815
271	00011, 14-08	Khar chuluut	Dep.**		46	51	27	106	9	15	W	CaF <sub>2</sub>	W-Mo-Be veins and stockworks	1718
272	02450	Uchastok 3		Occur.	46	51	0	106	12	0	W		W-Mo-Be greisen	1647
273		Bayan baraat		Occur.	46	51	16	106	11	0	W	CaF <sub>2</sub>	W-Mo-Be greisen	619
274	02518	Bor ondor		Occur.	47	19	2	106	15	0	Mn		Sedimentary Mn	939
275	02442	Khavtgai		Occur.	47	10	40	106	25	35	Fe		Sedimentary Fe	1802
276		Bambat khudag		Occur.	46	56	1	106	8	30	Fe		Sedimentary Fe	610
277		Uushigiin bulag-1		Occur.	46	54	20	106	10	40	Fe		Sedimentary Fe	638

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
278		Uushigiin bulag-2		Occur.	46	54	25	106	10	40	Fe		Sedimentary Fe	639
279		Onkh khudag		Occur.	46	43	33	106	39	46	Cr		Magmatic podiform Cr	1868
280		Onkh khudag		Occur.	46	42	54	106	39	46	Cu		Cu-Ni sulfide mafic-ultramafic related	1868
281	02661	Tshiryn jas		Occur.	46	43	0	106	21	0	Ni	Cr, Cu, Pb	Cu-Ni sulfide mafic-ultramafic related	1136
282		Khar khudag		Occur.	46	40	47	106	38	9	Pb		granitoid related vein/replacement Pb-Zn	1868
283		Bayan baraat-II		Occur.	46	56	30	106	13	20	CaF <sub>2</sub>		Granitoid related fluorite veins	619
284		Bayan baraat-I		Occur.	46	53	0	106	14	0	CaF <sub>2</sub>	W	Granitoid related fluorite veins	649, 1718
285	02854	Bayan baraat	Dep.		46	51	30	106	11	0	CaF <sub>2</sub>		Granitoid related fluorite veins	24, 1718, 610
286	05040	Uushigiin bulag		Occur.	46	55	15	106	13	15	CaF <sub>2</sub>		Granitoid related fluorite veins	2519
287	05000	Shavartyn khudag		Occur.	46	49	15	106	12	5	CaF <sub>2</sub>		Granitoid related fluorite veins	2519
288	02855	Tsegtser khudag		Occur.	46	45	27	106	35	0	magnesite		Weathering crust magnesite	1868
289	04668	Zulegt uul		Occur.	47	16	5	107	2	20	Au		Granitoid related Au	5208
290	04662	Ar bulag tolgoi		Occur.	47	15	10	107	2	20	Au		Granitoid related Au	5208
291	04661	Zurkh tolgoi		Occur.	47	15	10	107	4	50	Au		Granitoid related Au	5208
292	02392	Ondor ulaan №6		Occur.	47	14	15	107	41	40	Au	Ag	Granitoid related Au	1771
293	04671	Tashgai		Occur.	47	13	15	107	5	50	Au	W, As	Epithermal adularia-sericite type Au	5208
294	04670	Eevjiin bor uul		Occur.	47	12	40	107	3	40	Au		Granitoid related Au	5208
295	04669	Bumba salaa uul		Occur.	47	10	0	107	1	0	Au		Granitoid related Au	5208
296		Mandaliin bulag	Dep.***		47	16	0	107	21	0	Au		Placer Au	5208
297		Khurzhet	Dep.**		47	15	0	107	9	30	Au		Placer Au	5208
298		Zulegt	Dep.		47	14	25	107	7	10	Au		Placer Au	5208
299		Eevj	Dep.***		47	12	0	107	2	20	Au		Placer Au	5208
300	05156	Nomtyn khondii		Occur.	47	10	30	107	0	0	Au		Placer Au	4631, 4776
301	02394	Kharaat bulag		Occur.	47	10	15	107	25	40	W	Mo, Be, Ag, Cu, Pb-Zn, Sn	W-Mo-Be veins and stockworks	1771
302	02395	kharaat ovoo		Occur.	47	9	30	107	40	0	W	Mo, Be, Cu, Pb-Zn, Sn	W-Mo-Be veins and stockworks	1771
303	02452	Bayan ovoo		Occur.	47	2	30	107	45	0	W		W-Sn veins	1771
304	02456	Bayantsagaan		Occur.	46	57	0	107	7	40	Sn	Cu, Pb	W-Sn greisen	619, 3762
305	02458	Bayantsagaan		Occur.	46	58	45	107	8	30	Sn		Placer Sn	3762
306		Ondor		Occur.*	47	16	18	107	40	25	Zr		Nb(Ta)-Zr-REE alkaline metasomatites	2464



0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
307	02451	Bayan ovoo		Occur.	47	7	49	107	40	0	Be		Be pegmatite	619
308	02328	Asgat bulag		Occur.	47	8	0	107	37	0	Cu	Zn-Pb	Granitoid related Cu	1771
309	02454	Duut uul		Occur.	47	0	0	107	9	15	Ni	Cu, Co	Cu-Ni sulfide mafic-ultramafic related	1771, 3762
310	02548	Unnamed		Occur.	47	10	53	107	36	15	W	Cu, Sn, Au	W(Mo, Fe, Cu) skarn	1771, 2031
311	02326	Khadat bulag		Occur.	47	10	10	107	37	10	W	Fe, Cu	W(Mo, Fe, Cu) skarn	1771
312	00374	Naidal (703 anomaly)		Occur.	47	9	25	107	56	50	U		Sandstone-hosted U	2439, 2464
313		Oiriin		Occur.	46	54	0	107	52	0	U	Th, Y	Volcanic-hosted U	2464
314	02396	Bayan ovoo		Occur.	47	8	0	107	39	0	crystal		Miarolitic and abyssal pegmatite	1771
315		Magnai		Occur.	47	6	40	107	58	30	zeolite		Volcanic-hosted zeolite	3931
316	02400	Zulegtei	Dep.***		47	4	20	107	39	5	graphite		Metamorphic graphite	1771, 4115
317	02455	Zulegtiin bulag		Occur.	47	0	0	107	47	50	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	1771, 3316
318	02457	Maanit us		Occur.	46	59	45	107	48	5	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	1771, 3316
319		Chuluut tsagaan del	Dep.**		46	58	20	107	14	0	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	2494, 2617, 3675, 3927, 3568, 3762
320	02858	Burgediin uur 1		Occur.	46	58	20	107	18	30	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	2617, 3566
321	05021	Bumbat nuur		Occur.	46	48	25	107	35	0	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	1949
322		Dens nuur		Occur.	46	57	10	107	15	30	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	1771
323	02857	Borjin		Occur.	46	56	20	107	12	0	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	2617, 3566
324	2398	Sonduul-I, II (№50, 55)		Occur.	47	3	38	107	41	35	sillimanite		Metamorphic disten-sillimanite-andalusite	1771
325		Sonduul-IV (№15)		Occur.	47	11	0	107	37	0	sillimanite		Metamorphic disten-sillimanite-andalusite	1771
326		Sonduul-III, IV, V (№41, 42, 43)		Occur.	47	4	55	107	39	18	sillimanite		Metamorphic disten-sillimanite-andalusite	1771
327	03912	Olt-1		Occur.	46	34	30	102	8	0	Au, Ag		Granitoid related Au	4756
328	02645	Olt-2		Occur.	46	34	50	102	17	40	Au, Ag		Granitoid related Au	4756
329	03913	Burgetei-II-3-45		Occur.	46	34	30	102	15	5	Au	Cr	Granitoid related Au	4756
330	03914	Senjit		Occur.	46	33	50	102	18	20	Au, Ag		Granitoid related Au	4756
331		Unnamed		Occur.	46	32	0	102	16	45	Au		Granitoid related Au	1817
332		Khotol tolgoi-69		Occur.	46	31	40	102	17	20	Au		Granitoid related Au	4756
333		Khuree sair		Occur.	46	22	0	102	31	0	Au, Ag		Granitoid related Au	4756
334		Unnamed		Occur.	46	16	0	102	4	45	Au, Ag		Granitoid related Au	643, 1963, 2574, 3912
335	02645	Oltiin buleg ord	Dep.***		46	33	0	102	18	0	Au		Placer Au	1817, 4756

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
336		Burgedtein khyar	Dep.		46	31	0	102	15	3	Au		Placer Au	1831, 3912, 4756
337		Dood nariin jalga	Dep.		46	25	0	102	29	16	Au		Placer Au	4928
338		Olziit bulag		Occur.	46	22	0	102	31	0	Au		Placer Au	1817, 3912
339		Khuurai sair		Occur.	46	18	40	102	30	20	Au		Placer Au	1481, 1817, 2574, 3912
340		Sortiin am		Occur.	46	18	0	102	33	0	Au		Placer Au	1817, 3912
341		Zuun bayan ulaan, ortont, nariin jalga	Dep.***		46	35	0	102	26	0	Au		Placer Au	5329
342		Tsagaan gol	Dep.**		46	27	0	102	6	30	Au		Placer Au	4756
343	02659	Unnamed		Occur.	46	2	10	102	5	30	Au		Placer Au	1963
344		Unnamed		Occur.	46	34	45	102	42	30	W	Bi, Mo	W-Mo veins and stockworks	3912
345	02644	Bayan ulaan		Occur.	46	34	20	102	42	15	W	Mo	W-Mo veins and stockworks	3912, 4218
346	02550	Jargalant		Occur.	46	34	20	102	38	50	W	Mo	W-Mo veins and stockworks	4218
347	02551	Buduun guvee		Occur.	46	33	43	102	45	9	W	Mo	W-Mo veins and stockworks	4218
348	02553	Shiveet		Occur.	46	12	0	102	21	0	W	Sn, Bi, Cu, Pb, As, Ag	W-Mo-Be greisen	3912, 4098
349	02554	Olziit		Occur.	46	3	40	102	24	0	W		W-Sn veins	3912, 4098
350	02647, 02648	Arvaikheer (ulaan tolgoi)		Occur.	46	16	22	102	48	7	Cu, Mo		Porphyry Cu-Mo	1071, 2574, 3912
351		Oyuut		Occur.	46	3	40	102	34	0	Cu		Granitoid related Cu	4443
352		Unnamed №22		Occur.	46	38	0	102	26	0	Hg		Clastic sediment-hosted Hg	1831
353	02552	Unnamed		Occur.	46	16	0	102	25	0	Bi		Granitoid related vein/stockwork Bi	643
354	01624	Ekhen khudag		Occur.	46	39	0	103	37	0	Au		Placer Au	3918
355		Kharzat am, bagalzuurnyn khooloi	Dep.		46	35	0	103	57	0	Au		Placer Au	5329
356	01707	Deliin nuur		Occur.	46	31	15	103	55	30	Au		Placer Au	3918
357	01704	Khushuut khondii		Occur.	46	29	30	103	50	0	Au		Placer Au	3918
358	02022, 02648	Khuv khashaat		Occur.	46	16	58	103	38	28	Cu	Zn-Pb	Cu skarn	2574
359	02649	Tsagaan tolgoi		Occur.	46	11	30	103	31	0	Cu		Cu skarn	2574
360	02506	Occurrence number XIV-III-2-1		Occur.	46	11	30	103	29	30	Cu	Pb-Zn	Cu skarn	3912
361		Ongot khanan (khar ovoo)		Occur.	46	4	0	103	42	0	Cu		Regional metamorphism related vein Cu	2991
362	02861	Unnamed		Occur.	46	27	20	103	48	30	graphite		Metamorphic graphite	1963
363	02860	Tsagaankhairkhan		Occur.	46	38	0	103	25	0	Mountain crystal		Mountain crystal bearing veins	2008, 2034

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
364		Maikhan		Occur.	46	6	0	103	42	0	kaolinite		Volcanogenic metasomatitic kaolinite	4669
365	02344	Sharga ovoo		Occur.	46	10	49	104	57	52	Au	Ag	Granitoid related Au	2027, 4782
366	01685	Kharzat		Occur.	46	31	40	104	2	30	Au		Placer Au	3918
367		Zurkh uul		Occur.	46	2	10	104	5	30	Au		Placer Au	4782
368		Baga alag tolgoi		Occur.	46	4	23	104	26	10	Ag, Pb, Zn	Cu, Mn, Cr, Co, Mo, Bi	Granitoid related vein/replacement Ag-Pb-Zn	4782
369	02465	Shar bulag		Occur.	46	26	13	104	4	50	Sn		W-Sn greisen	1924
370	01628	Unnamed		Occur.	46	38	0	104	51	30	Cu	Zn, Sn, Au	Porphyry Cu	1955
371	02652	Gurvan ovoo		Occur.	46	38	0	104	48	0	Cu	Mo	Porphyry Cu	3704
372	05572	Khondlongiin ovoo		Occur.	46	35	0	104	58	0	Cu	Mo	Porphyry Cu	3704
373	01689	Nariin khudag		Occur.	46	31	30	104	32	0	Cu	W, Mo, Zn, Bi, Sn	Granitoid related Cu	1955
374	02655	Shar tal bulag		Occur.	46	30	33	104	27	55	Cu	Bi, Cr, Mo, Pb	Granitoid related Cu	1924
375		Argal		Occur.	46	30	0	104	55	0	Cu	Sb	Granitoid related Cu	492
376	03345	Ukhaa ovoo		Occur.	46	17	40	104	25	15	Cu	Zn-Pb	Granitoid related Cu	3918
377	02331, 03952, 02658	Zakhialga №31 (Zurkh tolgoi)		Occur.	46	2	30	104	5	0	Cu	Zn	Regional metamorphism related vein Cu	1452, 1963, 4782
378	02555, 02466	Ulaan khudag		Occur.	46	22	20	104	7	10	Mo		W-Mo veins and stockworks	732, 1924
379	01641, 02464	Unegt		Occur.	46	35	0	104	2	0	Fe		Granitoid related vein/stockwork Fe	1071
380	02463	Kharzatyngol		Occur.	46	33	0	104	1	5	Fe		Granitoid related vein/stockwork Fe	1924
381	02467	Kharaat		Occur.	46	7	30	104	21	0	Fe		Granitoid related vein/stockwork Fe	1511, 4782
382	02862	Bayan ondor		Occur.	46	36	22	104	9	30	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	632
383	01743	Delger khiid		Occur.	46	15	0	104	42	40	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	643, 2027, 4782
384	05185	Sainshand khudag		Occur.	46	2	0	104	0	0	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	1600, 1963
385		Kharaat tsagaan chuluut		Occur.	46	5	0	104	28	0	graphite		Metamorphic graphite	1511
386		Unnamed (Zakhialga №469)		Occur.	46	4	0	104	22	0	graphite		Metamorphic graphite	939
387		Baga gazar	Dep.		46	15	30	105	56	30	Sn-W	CaF <sub>2</sub>	W-Sn greisen	1794, 4115, 1702
388	228	Baga gazar	Dep.		46	15	0	106	1	0	Sn-W		Placer Sn(W)	635, 647, 1794, 1702
389	02556	Bayan khoovor		Occur.	46	33	0	105	13	0	gypsum		Sedimentary gypsum	2027
390	05181, 03021	Khuren urtyng khudag		Occur.	46	29	40	105	43	0	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	1868
391	03029	Elgen uul		Occur.	46	28	0	105	49	30	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	1868

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
392	03030	Unnamed		Occur.	46	27	10	105	40	30	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	1868
393	03037	Takhilga uul		Occur.	46	26	15	105	41	3	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	1989, шерхан
394		Delger khiid		Occur.	46	15	0	105	42	40	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	643, 2027
395	02666	Tsagaan ovoo		Occur.	46	8	30	105	37	32	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	2027
396	02951	Bor ondor		Occur.	46	36	53	106	8	47	W	Be, Mo	W-Mo-Be veins and stockworks	1868, 4171
397		Baruun khashaat khudag		Occur.	46	1	10	106	10	0	W		W-Sn veins	638
398		Tsakhir uul (khoid, baruun)		Occur.	46	28	0	106	18	0	Sn	W, Bi, Mo, Cu, Li, Pb-Zn	Sn(W) veins	4171
399	02443	Toin ondor		Occur.	46	12	35	106	28	0	Fe	Ti	Sedimentary Fe	1802
400	02999	Toidyn ovoo		Occur.	46	33	33	106	31	27	Cu	Pb-Zn	Cu skarn	1868
401	05037	Ikh adaatsag		Occur.	46	34	0	106	0	0	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	2027
402	01731	Adaatsag		Occur.	46	21	33	106	0	0	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	1868
403	03027	Tsakhir uul		Occur.	46	29	20	106	16	18	asbestos		Serpentine-hosted asbestos	1868, 4171
404	02666	Zuun toirom		Occur.	46	8	30	107	38	0	Cu	Ag, Au	Cu skarn	4002
405	02468, 03073	Ikh dulaan ovoo		Occur.	46	3	20	107	34	0	Sn		Sn skarn	2315
406		Occurrence number 4		Occur.	46	10	30	107	43	10	Fe	Cu	Fe skarn	4002
407		Occurrence number 13		Occur.	46	3	20	107	56	10	Zn	Cu, Pb	granitoid related vein/replacement Pb-Zn	4002
408	03083	Nuur		Occur.	46	12	55	107	55	50	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4443
409		Occurrence number 6a		Occur.	46	6	53	107	37	40	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4002
410	02558	Unnamed		Occur.	45	42	0	102	8	45	W	Bi	W-Sn veins	3912
411		Delkhad		Occur.	45	55	30	102	21	0	Cu	W, Ag	Granitoid related Cu	3912, 4098
412	02667	Mogoi khar uul		Occur.	45	45	57	102	41	7	Cu	Pb-Zn, Ag	Regional metamorphism related vein Cu	3912
413	02497	Unnamed (obn,332)		Occur.	45	35	0	102	44	0	Cu	Mo	Granitoid related Cu	1977
414	02559	Unnamed		Occur.	45	37	10	102	47	10	Mo, Cu		Porphyry Mo(Cu)	3912
415	02557	Unnamed		Occur.	45	42	30	102	43	0	Fe		Sedimentary Fe	3912
416		Occurrence number 6		Occur.	45	34	0	102	46	0	Fe	Cr, W, Mo, Ti, V, Ag	Sedimentary Fe	1977
417		Unnamed		Occur.	45	39	50	102	41	50	crystal		Miarolitic and abyssal pegmatite	1977
418	01317	Unnamed		Occur.	45	55	0	103	2	0	Cu	Fe	Sandstone-hosted Cu	3912
419	02561	Saikhan ovoo		Occur.	45	34	15	103	51	20	gypsum		Sedimentary gypsum	3912

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
420	02877	Tsagaan ovoo-1		Occur.	46	0	0	104	37	50	Au, Ag	Pb, Mo	Granitoid related Au	3676, 4782
421		Tsagaan ovoo-V		Occur.	45	59	45	104	36	15	Au, Ag		Granitoid related Au	3676, 4783
422	03159	Tsagaan ovoo-II		Occur.	45	59	35	104	38	40	Au		Granitoid related Au	3676, 4784
423	03277	Tsagaan ovoo-IV		Occur.	45	59	15	104	35	50	Au, Ag	Pb	Granitoid related Au	3676, 4785
424	01650	Tsagaan ovoo-III		Occur.	45	58	55	104	36	0	Au, Ag	Pb, As	Granitoid related Au	3676, 4786
425	01066	Zuun khar chikh uul		Occur.	45	56	40	104	14	30	Cu	Zn, Pb, Ag	Regional metamorphism related vein Cu	3676
426	02671	Budag tolgoi		Occur.	45	55	0	104	18	0	Cu	Mo	Porphyry Cu	2574
427	02672	Tsogtchandmani		Occur.	45	49	0	104	22	0	Cu	Mo	Porphyry Cu	4443
428	02343	Khokh ovoo		Occur.	45	46	44	104	49	46	Cu	Zn	Porphyry Cu	1600, 2006
429	03137	Khairkhan togrog uul		Occur.	45	36	25	104	29	15	Cu	Pb, Co, As, Cr	Granitoid related Cu	1957, 3676
430	03162	Unnamed		Occur.	45	35	0	104	21	0	Phosphorites		Sedimentary phosphate	3676
431	02347	Zeerd morit		Occur.	45	44	10	104	37	30	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	1957
432	03203, 05024	Yamaan govi		Occur.	45	34	30	104	56	20	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	2370
433	00368	Bumba		Occur.	45	35	0	104	11	38	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	2429
434	05222, 01667	Khairkhan togrog uul		Occur.	45	30	0	104	24	0	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	1957
435	03213	Oyuut ovoo		Occur.	45	43	50	105	18	30	W	Fe, Cu	W(Mo, Fe, Cu) skarn	3676
436		Elgen govi	Dep.		45	44	0	105	11	0	kaolinite		Sedimentary kaolinite	4669
437	05196	Khar tolgoi khudag		Occur.	45	51	15	105	38	5	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	2006, 3676
438	05195	Ovdogiin khyar		Occur.	45	47	30	105	42	20	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	2370, 3006, 3676
439	03034	Salkhit		Occur.	45	51	20	106	56	0	Au, Ag		Granitoid related Au	3676, 4377
440	02581	Deren		Occur.	45	30	45	106	50	30	Au	Ag	Epithermal adularia-sericite type Au	3676, 4727
441	02362	Morit		Occur.	45	22	0	106	58	30	Au, Ag		Granitoid related Au	3676, 4727
442	02563	Gurvansaikhan		Occur.	45	30	30	106	54	0	Fe		Fe skarn	451
443		Tevshiin govi		Occur.	45	59	40	106	1	50	kaolinite		Sedimentary kaolinite	4669
444	05198	Gurvansaikhan-I, II		Occur.	45	33	0	106	55	0	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	451
445	05046	Unnamed		Occur.	45	37	0	106	17	10	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	442
446	02356	Buyant uul		Occur.	45	33	54	106	58	7	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	451, 4543
447		Tsagaan tolgoi	Dep.		45	30	0	106	55	0	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	1504/453

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
448	00981	Bilgeh uul	Dep.		45	24	0	106	49	0	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	2053, 4543, 3676
449	02675	Khongor ovoo		Occur.	45	59	40	107	43	20	Zn	Fe, Mn, Cd, Be, Mo, Ag	Fe-Zn skarn	1724, 2315
450	02994	Kharaat uul		Occur.	45	59	27	107	44	12	Zn	Fe, Cu	Fe-Zn skarn	2315, 4002
451	03276	Tsagaan tolgoi		Occur.	45	59	15	107	52	30	Zn	Fe	Fe-Zn skarn	4346
452	02677, 01320	Sainshand khudag		Occur.	45	56	0	107	37	30	Zn-Pb	Ag, Cd	Fe-Zn skarn	4346
453	00952	Zuun tomortei		Occur.	45	55	30	107	35	0	Zn	Fe, W	Fe-Zn skarn	4002
454		Elgen khudag		Occur.	45	51	43	107	43	28	Zn	Cu, Cd, Ag	Fe-Zn skarn	4002
455		Unnamed №32		Occur.	45	56	0	107	57	10	Pb, Zn	Ag, Cu	granitoid related vein/replacement Pb-Zn	4002
456		Bayanjargalan		Occur.	45	47	0	107	59	0	Fe	Zn, Sn	Fe skarn	2991
457	03287	Nukht		Occur.	45	29	45	107	15	30	Fe		Fe skarn	451, 2315, 4377
458		Unnamed №28		Occur.	45	46	40	107	54	45	Be		W-Mo-Be greisen	4002
459		Khavirga khudag-I		Occur.	45	58	0	107	44	0	U-TR		Granitoid related U	2410
460		Khavirga khudag-II		Occur.	45	56	0	107	45	0	U-TR		Granitoid related U	2410
461	02679	Baga bichigt		Occur.	45	55	35	107	39	7	crystal		Miarolitic and abyssal pegmatite	4002
462	01398	Unnamed		Occur.	45	55	10	107	55	50	crystal		Miarolitic and abyssal pegmatite	4002
463	05019	Occurrence number 36		Occur.	45	51	51	107	43	0	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4002
464	03044, 00853	Khavirga ikh bichigt		Occur.	45	50	30	107	42	30	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4002
465	05023	Zamyn khar		Occur.	45	48	50	107	53	40	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4002
466	00851	Bumbat-I		Occur.	45	48	35	107	35	15	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4002, 4237
467		Bumbat-II		Occur.	45	48	20	107	41	10	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4002, 4238
468	05016	Occurrence number 46		Occur.	45	48	20	107	48	20	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4002
469	05045	Unnamed		Occur.	45	48	15	107	40	0	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	1901
470	03136, 00943	Suul ondor	Dep.***		45	43	50	107	55	30	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4237
471	03226	Jonshtyn bulag		Occur.	45	41	30	107	14	0	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	2991
472	03097, 00942	Khokh teeg		Occur.	45	41	30	107	56	10	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4002, 4237
473	01619	Uul jas		Occur.	45	34	0	107	38	15	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4443
474		Unnamed		Occur.	45	33	0	107	53	0	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	1901

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
475	03274	Khukh del		Occur.	45	32	30	107	56	30	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4387
476	05047	Unnamed		Occur.	45	31	0	107	54	30	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	1901
477		Khurts ulaan nuur		Occur.	45	25	42	107	59	0	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4002
478	02567	Mankhan tolgoi		Occur.	44	57	10	102	12	25	Cu	Fe, Mo	Cu skarn	1977
479		Osh nuur		Occur.	44	50	40	102	0	38	U-Th	P	Sandstone-hosted U	2456
480	02554	Olziit		Occur.	44	45	38	102	0	5	U-Th	Sr, Mo, P	Volcanic-hosted U	2456
481	05015	Navtgar uul		Occur.	44	48	50	102	17	45	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	1977
482		Unnamed		Occur.	44	54	0	103	27	0	Zn	As, Cu	granitoid related vein/replacement Pb-Zn	3912
483	01042, 02570	Unnamed		Occur.	44	57	15	103	40	40	Be	Sn	Be pegmatite	3912
484		Khuramsag		Occur.	44	59	0	103	55	0	magnesite		Metamorphic magnesite replacement	4669
485	01324	Jiremiin khudag		Occur.	44	55	0	103	40	40	magnesite		Metamorphic magnesite replacement	1958
486	01040	Khetsuu tsav		Occur.	44	57	7	103	23	30	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	3912
487	01068	Zuun khairkhan		Occur.	44	53	50	104	31	50	Ag	As, Zn-Pb	Volcanic-hosted breccia/replacement Ag-Pb-Zn(Cd, Ga, Cu, Au)	3676
488	01021, 02680, 00996	Khadat ovoo		Occur.	44	58	50	103	44	14	Cu	Zn, As	Cu skarn	3912, 1600
489		Tsagaan ovoo		Occur.	45	13	40	104	2	15	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	1957
490	02371, 02685	Unnamed		Occur.	45	12	40	104	23	0	Mountain crystal		Mountain crystal bearing veins	1957
491	03261	Unnamed		Occur.	45	12	50	104	0	40	gypsum		Sedimentary gypsum	3676
492	02573	Khushuu khiid		Occur.	45	5	0	104	15	0	gypsum		Sedimentary gypsum	92, 362
493	03289	Shiree uul	Dep.		45	3	0	104	20	0	gypsum		Sedimentary gypsum	3578
494	03293	Taragt	Dep.***		45	2	30	104	29	0	gypsum		Sedimentary gypsum	1596, 3578
495	03295	Zuun		Occur.	45	2	6	104	28	45	gypsum		Sedimentary gypsum	1931
496		Unnamed		Occur.	44	58	30	104	19	0	gypsum		Sedimentary gypsum	3676
497	02684	Shorvogiin ekh		Occur.	45	4	10	104	32	0	alunite		Sedimentary alunite	939, 4823
498	02683	Ineedeg ulaan		Occur.	44	53	0	104	21	0	alunite		Sedimentary alunite	1596, 4823
499	01705	Zag suvj khudag		Occur.	44	58	24	105	50	48	Cu	Pb	Cu skarn	578
500	02579	Tegiin uul		Occur.	45	9	0	105	56	0	Fe		Sedimentary Fe	578
501		Ongiin tsoo uul		Occur.	44	40	30	105	19	30	Cr		Magmatic podiform Cr	1858
502		Zaart khudag		Occur.	45	6	30	105	53	0	Zr		Nb(Ta)-Zr-REE alkaline metasomatites	3676

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
503	03123	Ger ovoo		Occur.	45	0	58	105	11	37	U		Sandstone-hosted U	1600
504	02673, 01629	Tsagaan ovoo		Occur.	45	15	0	105	12	0	crystal		Miarolitic and abyssal pegmatite	1600
505	03102	Zooson uul		Occur.	45	10	30	105	31	25	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	3676
506	02016	Gun us		Occur.	45	4	30	105	8	20	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	3676
507	02368	Ulaan khamar		Occur.	45	2	0	105	1	47	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	2006
508	01360	Us khudag		Occur.	45	13	10	106	22	0	Au, Ag	W, Cu	Granitoid related Au	1845, 1779
509	01715	Ogoomor uul		Occur.	44	57	0	106	35	0	Au, Ag		Granitoid related Au	1845
510	01354	Dert khudag		Occur.	45	13	10	106	14	30	W	Fe, Cu	W(Mo, Fe, Cu) skarn	1779
511	02582	Kholboo tsagaan uul		Occur.	45	13	0	106	46	0	W	Sn	W-Sn veins	17
512	01316	Khujirt bayan uul		Occur.	45	12	50	106	20	0	W	Be, Mo, As, Sb, Ag	W-Mo-Be greisen	1779
513	01719, 02585	Kheseg №1		Occur.	44	54	0	106	35	0	W	Mo	W-Mo greisen	1779
514	01325	Khotol us-1		Occur.	45	15	25	106	41	25	Sn	Ag, Zn-Pb	Cassiterite-sulfide veins	3676
515	01378, 05012	Solgoi khudag		Occur.	45	11	0	106	46	0	Pb		granitoid related vein/replacement Pb-Zn	548
516	01367	Khad ovoo		Occur.	45	13	12	106	36	0	Cu	Pb-Zn, Ag, Sb	Granitoid related Cu	578, 1926, 3676
517	01703	Uul khudag		Occur.	44	58	10	106	36	30	Cu		Cu skarn	1779
518	01386, 02583	Unnamed (p.1187)		Occur.	45	10	11	106	17	20	Fe		Sedimentary Fe	1779
519	02584	Unnamed		Occur.	45	9	30	106	11	0	Fe		Sedimentary Fe	1779
520		Tsagaan tevsh		Occur.	44	57	55	106	6	40	Mn		Sedimentary Mn	3676
521	02588	Khavtgai		Occur.	44	40	12	106	56	30	Mn		Sedimentary Mn	451, 2724
522		Unnamed		Occur.	45	6	0	106	43	40	Sb		Volcanic-associated Sb	1578
523	00384	Khashaat		Occur.	45	6	0	106	54	0	U		Volcanic-hosted U	2451
524	01201	Unnamed		Occur.	45	16	0	106	30	23	graphite		Metamorphic graphite	3676
525	03100	Kharaat uul		Occur.	45	17	15	106	32	40	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	3676
526	01108	Khushuugiin khudag		Occur.	45	17	0	106	14	0	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	17, 451/1503
527		Tsagaan del		Occur.	45	16	40	106	43	50	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4901
528	02374	Khotol us-II		Occur.	45	15	50	106	43	40	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	3676, 4727
529	05192	Nukhtiin bulag		Occur.	45	15	35	106	29	15	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	3676
530	03122, 05048	Unnamed		Occur.	45	11	40	106	9	14	CaF <sub>2</sub>	Pb, Cu, Sb	Epithermal vein/replacement fluorite	1926



0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
531	05014, 05189	Sharangatai		Occur.	45	11	30	106	2	10	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	1926, 3676
532		Solgoi Khudag		Occur.	45	11	15	106	43	30	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	691/578, 1926
533	01614	Tsogzol uul		Occur.	45	8	10	106	9	10	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	453/1504, 587, 3676
534		Bogd owoo		Occur.	45	6	0	106	11	0	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	581/578
535		Baruun bulag		Occur.	45	5	25	106	17	0	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	691/578
536	05049, 01655	Khashaat khudag		Occur.	45	5	24	106	42	12	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	1926
537	05013, 01659	Unnamed		Occur.	45	4	35	106	16	50	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	1926
538	05194	Sant uul		Occur.	45	3	15	106	10	10	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	3676
539		Ikh uul		Occur.	45	2	14	106	44	24	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	587, 2036
540	03121	Sharangatai		Occur.	45	8	27	106	2	10	barite		Barite veins	1926
541		Occurrence number 20		Occur.	45	19	20	107	10	48	Au, Ag	Sn, Sb, As, Bi, Ag, Zn-Pb, Mo	Granitoid related Au	4727
542	01073	Talyn uul		Occur.	45	18	0	107	28	30	Au, Ag	W	Granitoid related Au	1845, 4377
543	01055	Baruun saihan		Occur.	45	19	30	107	16	55	Au, Ag	Pb, Cu	Granitoid related Au	1739/2774, 4377, 4727
544	03276	Tsagaan tolgoi		Occur.	45	17	15	107	22	30	Zn-Pb	Ag	Fe-Zn skarn	4346
545		Occurrence number 46 (Togrogiin khonkhor)		Occur.	45	10	10	107	3	40	Pb, Zn	Cu, Ag, Sb, Bi, Sn, W, Mo, Nb, Fe	Pb-Zn skarn	4727
546	03801	Oroi ondor tovog		Occur.	45	15	22	107	36	45	Mn	Ni, Mo, Zn, Sn, Pb	Sedimentary Mn	4727
547	02470	Kheser khudag		Occur.	44	58	0	107	3	0	W	Sn, Mo, Ag, Cd	W-Sn veins	2315
548	03117, 05680	Bayan teeg		Occur.	45	16	43	107	7	10	Li	Ta-Nb	Li pegmatite	4377, 4727
549	03803	Ondor elst tolgoi		Occur.	45	16	50	107	31	45	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4727
550	02689, 01092	Bayan uul		Occur.	45	16	10	107	7	0	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4727
551	01333, 03805	Khadargant		Occur.	45	13	45	107	22	55	graphite		Metamorphic graphite	4443
552		Khotol tsagaan		Occur.	45	17	40	107	1	20	Mountain crystal		Mountain crystal bearing veins	4727
553	01424, 02691	Kharmagtai	Dep.		45	10	45	107	8	30	Mountain crystal		Mountain crystal bearing veins	4727
554	03804, 01425	Unnamed		Occur.	45	10	50	107	12	45	muscovite		Muscovite pegmatite	4443
555	02590	Jonch chuluut		Occur.	45	1	0	107	20	0	gypsum		Sedimentary gypsum	1739
556	02594	Uul gashuuny khudag		Occur.	44	9	47	102	5	35	W	Mo, Pb, As, Zn	W-Mo veins and stockworks	3912

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
557	02595	Khukh boom		Occur.	44	5	50	102	21	45	Cu	Au, Ag	Porphyry Cu	3912
558		Khetsuu ulaan		Occur.	44	25	18	102	53	10	Sr		Barite-celestite-strontite veins/breccia	4680
559		Oin gol		Occur.	44	22	21	102	1	33	U-Th	P	Sandstone-hosted U	2456
560	05429	Tsagaan khad		Occur.	44	39	24	102	56	0	magnesite		Magnesite skarn	3912, 3432
561		Tsagaan khad		Occur.	44	36	0	102	58	0	graphite		Metamorphic graphite	4361
562		Unnamed		Occur.	44	35	25	102	12	45	graphite		Metamorphic graphite	1977
563		Jamiyan		Occur.	44	34	25	102	13	50	graphite		Metamorphic graphite	1977, 3912
564	02596	Khol ergiin khudag		Occur.	44	3	30	102	12	0	gypsum		Sedimentary gypsum	3912
565		Unnamed		Occur.	44	27	57	103	30	55	Fe		Fe skarn	3912
566	01382	Sudlyn		Occur.	44	24	25	104	53	5	Au	Ag, W	Regional metamorphism related quartz-(carbonate) vein Au	3676
567	01380	Repernyi		Occur.	44	24	15	104	51	10	Au	Ag, Zn	Regional metamorphism related quartz-(carbonate) vein Au	3676
568		Tsuural		Occur.	44	23	30	104	57	50	Au	Ag, Pb	Regional metamorphism related quartz-(carbonate) vein Au	3676
569	03467	Kharaatyn khets		Occur.	44	23	6	104	57	14	Au	Ag, Pb, Cu	Regional metamorphism related quartz-(carbonate) vein Au	4889
570		Olon ovoot	Dep.		44	23	0	104	8	0	Au		Placer Au	4680
571		Olon ovoot	Dep.***		44	22	0	104	10	0	Au		Regional metamorphism related quartz-(carbonate) vein Au	4780, 3676, 4680
572	01434	Khurimt khudag		Occur.	44	21	5	104	7	0	Au	Ag, Pb	Regional metamorphism related quartz-(carbonate) vein Au	3676, 4680
573	04374	Khyaryn shandyn del uul		Occur.	44	37	40	104	49	40	Cu	Ag, Pb-Zn	Granitoid related Cu	4889
574		Khurelt khudag		Occur.	44	20	20	104	8	0	Cu	Pb, As	Granitoid related Cu	1989
575		Khuren khad		Occur.	44	22	42	104	0	18	Sr	REE	Barite-celestite-strontite veins/breccia	4680
576	26-01	Mushgia khudag	Dep.		44	20	0	104	10	0	REE	Sr, CaF <sub>2</sub> , Ba, Pb, P, Fe	REE carbonatite	3875, 4680
577		Bayan khoshuu	Dep.		44	20	6	104	21	12	Sr	Ba, REE	Barite-celestite-strontite veins/breccia	2724, 3676, 4680
578		Khurimt khudag		Occur.	44	18	0	104	35	0	Sr	Ba, REE	Barite-celestite-strontite veins/breccia	2724, 4680
579	01657	Khotgor		Occur.	44	7	0	104	40	0	Sr	Ba, REE	Barite-celestite-strontite veins/breccia	3676
580		Dorvon dert		Occur.	44	27	0	104	43	0	Be		Be tuff	2315
581		Teeg uul		Occur.	44	19	0	104	7	0	Be		Be tuff	2315, 4658
582		Teeg uul		Occur.	44	16	0	104	8	30	U		Volcanic-hosted U	4680
583		Tahi uul		Occur.	44	28	0	104	23	0	Pb, Zn	Cu, Ti, Mn, Mo	Granitoid related vein/replacement Pb-Zn	4680

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
584	04424	Dorvon dort		Occur.	44	26	30	104	31	20	Fe	Mn	Fe skarn	4889
585		Khanan khukh tolgoi		Occur.	44	25	30	104	1	0	Fe		Fe skarn	4680
586		Avdarant	Dep.		44	21	54	104	26	10	CaF <sub>2</sub>		Vein/replacement fluorite (alkaline rock related)	4680
587	01430, 05193	Bayan owoo		Occur.	44	21	45	104	25	0	CaF <sub>2</sub>		Vein/replacement fluorite (alkaline rock related)	3676
588		Unnamed		Occur.	44	6	0	104	45	0	CaF <sub>2</sub>		Vein/replacement fluorite (alkaline rock related)	4669
589	02903	Tsogt owoo		Occur.	44	18	0	104	50	0	crystal		Miarolitic and abyssal pegmatite	1938
590		Unnamed		Occur.	44	18	0	104	26	0	crystal		Miarolitic and abyssal pegmatite	3676
591	01636	Occurrence		Occur.	44	14	40	104	26	10	crystal		Miarolitic and abyssal pegmatite	3676
592	01639	Tsokhio ekhen ulaan tolgoi		Occur.	44	13	0	104	50	30	crystal		Miarolitic and abyssal pegmatite	1621, 1519, 1587
593	01632, 00879	Tsogt owoo	Dep.		44	16	10	104	41	20	kaolinite		Weathering crust kaolinite	1806
594		Mandal owoo	Dep.		44	35	0	104	5	0	kaolinite		Sedimentary kaolinite	1797, 1807
595	02244	Dorvon dort		Occur.	44	14	0	104	5	0	zeolite		Volcanic-hosted zeolite	4669
596	05215	Occurrence XXXIV-32		Occur.	44	18	50	105	45	5	Au	Ag, Cu	Granitoid related Au-Ag-Cu	2724
597		Khatsar		Occur.	44	0	0	105	23	0	Au	Cu, Mo, Ag	Granitoid related Au-Ag-Cu	2648
598	03082	Khongor owoo		Occur.	44	36	50	105	2	40	Cu	Zn, Pb, Ag	Granitoid related Cu	4889
599	04375	Ayagachiin ulaan toirom		Occur.	44	34	0	105	3	55	Cu	Pb, Zn, Ag	Granitoid related Cu	4889
600	03062	Shine us khudag		Occur.	44	6	30	105	10	0	Cu		basaltic Cu	2648
601	03085	Khan khudag		Occur.	44	1	30	105	59	30	Cu	Au, Ag	Porphyry Cu	2724, 3366, 3695
602	02944	Occurrence XXXIV-28		Occur.	44	19	0	105	25	50	Sr		Sedimentary celestite	2724
603	02650	Occurrence XXXIV-16		Occur.	44	25	0	105	59	30	Mountain crystal		Mountain crystal bearing veins	2724
604	02617, 05006	Unnamed		Occur.	44	27	30	106	13	0	Au	Zn-Pb	Regional metamorphism related quartz-(carbonate) vein Au	1587
605	02625	Occurrence XXXV-9		Occur.	44	27	10	106	15	5	Au		Regional metamorphism related quartz-(carbonate) vein Au	2724
606		Altgany ulaagchin khudag (occurrence XXXV-18)		Occur.	44	23	0	106	44	55	Au		Regional metamorphism related quartz-(carbonate) vein Au	2724
607		Occurrence XXXIV-30		Occur.	44	11	25	106	41	5	Au, Ag		Granitoid related Au	2724
608		Unnamed		Occur.	44	1	50	106	1	46	Au, Ag		Granitoid related Au	2724
609	03092	Ukhaa khudag		Occur.	44	1	0	106	13	20	Au, Ag		Granitoid related Au	2724

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
610	03119	Noyon khudag		Occur.	44	14	22	106	50	30	Au		Placer Au	2571
611	05218	Bujgar		Occur.	44	6	40	106	37	10	Cu		Cu-Ni sulfide mafic-ultramafic related	3366
612	03078	Dochin khural-I		Occur.	44	3	57	106	17	7	Cu	Ag	Porphyry Cu	2724, 3179
613	03076	Dochin khural-II		Occur.	44	5	4	106	22	0	Cu		Porphyry Cu	3179, 3366
614		Unnamed		Occur.	44	2	30	106	0	35	Cu		Porphyry Cu	2648
615	03090	Harmagtai	Dep.		44	1	50	106	8	40	Cu	Au, Ag	Porphyry Cu	2648, 2724, 3179
616	03089	Ovootyn khyar		Occur.	44	1	46	106	2	10	Cu	Au	Porphyry Cu	3179
617	03091	Ukhaa khudag-1		Occur.	44	1	45	106	12	30	Cu	Au	Porphyry Cu	2648, 2724
618	03093	Ukhaa khudag-2		Occur.	44	3	0	106	10	30	Cu	Au	Porphyry Cu	2648, 2725
619	03006	Ulaan ovoo		Occur.	44	19	15	106	32	30	Hg		Silica-carbonate (listvenite) Hg	2724, 2571
620		Occurrence XXXIV-17		Occur.	44	18	40	106	31	20	Hg		Silica-carbonate (listvenite) Hg	2724
621	02522	Tsagaan tolgoi		Occur.	44	15	30	106	40	0	Hg		Silica-carbonate (listvenite) Hg	2571
622		Unnamed		Occur.	44	14	50	106	44	35	asbestos		Serpentine-hosted asbestos	1587
623	02657	Unnamed		Occur.	44	22	0	107	18	0	Mn		Volcanogenic-sedimentary Mn	1587, 2724
624	03112	Amar shavagtai khudag		Occur.	44	23	0	107	48	0	Cu		Porphyry Cu	1774, 1948
625	05216	Sumber khudag		Occur.	44	22	45	107	38	0	Cu		Porphyry Cu	1774, 1948
626	02634	Ar toirom nuur		Occur.	44	25	30	107	51	0	Cu	Mo, Ag	Porphyry Cu	1948
627		Naran		Occur.	44	20	25	107	9	40	Cu	Mo, Ag	Porphyry Cu	2724
628	01746	Gun sain khudag-1		Occur.	44	12	30	107	56	30	Cu	Mo	Porphyry Cu	3022
629	01087	Bunkhan khudag		Occur.	44	12	0	107	53	0	Cu		Porphyry Cu	3022
630	03048	Ulaan tolgoi bulag		Occur.	44	10	0	107	56	0	Cu	Mo, Bi	Porphyry Cu	2290
631	03067	Zagoit		Occur.	44	6	0	107	42	0	Cu	Ag, As, Sb	Granitoid related Cu	1774
632	03074	Khongoot		Occur.	44	3	37	107	50	5	Cu	Mo, Au, Ag	Porphyry Cu	1978, 2648, 3022
633	03051	Kharsh uul (Kharaat uul)		Occur.	44	9	35	107	47	0	Cr	Cu	Magmatic podiform Cr	1906, 2290
634		Ulaan khiid		Occur.	44	8	30	107	52	30	Cr		Magmatic podiform Cr	1906
635	02523	Khukh khudag		Occur.	44	36	0	107	48	0	gypsum		Sedimentary gypsum	1774
636	02195	Modon us	Dep.		44	34	30	107	39	0	gypsum		Sedimentary gypsum	344
637	03115	Uul gegeediin khiid		Occur.	44	13	0	107	55	0	magnesite		Weathering crust magnesite	4669
638	03124	Kharaat uul		Occur.	44	8	30	107	47	0	magnesite		Weathering crust magnesite	1587

Explanation: \*\*\*- Deposits in operation; \*\*- Deposits mined out, but there is small amount of reserves; \*- Deposits mined out; \*- Occurrences with small ancient openpits on surface.

### Mineral Deposits and Occurrence in the Sheet L-48

(Fuel Resources, Silica Resources, Continental Lake Evaporates, Mineral Pigments, Mineral and Rocks for Constuction Uses

1:200000 Scale sheet	No.	Number in L-48	Passport number	Name of Deposit and Occurrence	Deposit	Occurrence	Location						Major Mineral Resources	Minor Mineral Resources	Mineral Resources Group	Information Sources (Open File Report number in GIC)
							Latitude			Longitude						
							deg.	min.	sec.	deg.	min.	sec.				
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
I	1	639	02823	Khavtsgai I-3-I		Occur.	47	57	0	102	42	0	Jasper		Gemstones	4135
I	2	640	02401	Khairhan		Occur.	47	56	0	102	11	0	Granite(decorative)		Mineral and Rocks for Construction uses	4135, 3262
I	3	641	02402	Tsagaan nuur		Occur.	47	55	0	102	18	0	Gabbro-diorite(decorative)		Mineral and Rocks for Construction uses	4135
I	4	642	02510	Oendor khoeh I-2-I		Occur.	47	55	0	102	15	45	Limestone		Mineral and Rocks for Construction uses	4135
I	5	643	0645	<b>Khairhan</b>	Dep.		47	52	52	102	9	45	Clay(for )	Gravel	Mineral and Rocks for Construction uses	1500, 1635, 3262
I	6	644	02404	Khar uul I-2-4		Occur.	47	52	40	102	17	55	Marble(decorative)		Mineral and Rocks for Construction uses	4135
I	7	645	1039, 1051	<b>Tsaidam nuur</b>	Dep.**		47	52	6	102	38	10	Soda Ash	Sodium Sulfate Resources, Halite	Continental Lake Evaporates	1500, 4135, 4224
I	8	646		Baga tsaidam nuur		Occur.	47	52	6	102	37	40	Soda Ash	Sodium Sulfate Resources	Continental Lake Evaporates	4224
I	9	647	0690, 02512	<b>Battsengel(Shohoit)</b>	Dep.***		47	51	10	102	16	7	Limestone		Mineral and Rocks for Construction uses	1635, 1500, 3262, 3929, 4135, 4370
I	10	648	02824	Bayasant I-2-5		Occur.	47	50	30	102	20	30	Marble(decorative)		Gemstones	4135
I	11	649	02403	Shont I-2-6		Occur.	47	50	30	102	23	35	Marble(decorative)		Mineral and Rocks for Construction uses	4135
I	12	650		Dulaan uul I-I-4		Occur.	47	50	25	102	3	0	Garnet		Gemstones	4135
I	13	651		Ulaan tolgoi		Occur.	47	50	10	102	58	0	Chrysolite		Gemstones	4135
I	14	652		Bayasgalant II-3-4		Occur.*	47	48	30	102	40	0	Sandstone(structural)		Mineral and Rocks for Construction uses	4135
I	15	653	02406	Mergen shand(Mergen sanaa)		Occur	47	46	30	102	48	30	Clay(for)		Mineral and Rocks for Construction uses	4135
I	16	654		Ulaan khoshuu II-2-3		Occur.	47	46	0	102	27	0	Granite(decorative)		Mineral and Rocks for Construction uses	4135
I	17	655	02407	Unnamed II-3-7		Occur.	47	43	0	102	30	0	Clay(for )		Mineral and Rocks for Construction uses	4135

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
I	18	656		Toirom nuur II-I-4		Occur.	47	40	0	102	5	0	Onyx		Gemstones	4135
I	19	657		Khashaat III-2-4		Occur.	47	39	30	102	22	30	Sand(for building)		Mineral and Rocks for Construction uses	4135
I	20	658	02320	Manhan els №6		Occur.	47	34	0	102	40	58	Sand(for building)		Mineral and Rocks for Construction uses	2215
I	21	659	0915	<b>Tsorj tolgoi</b>	Dep.		47	26	47	102	2	10	Volcanic Cinders		Mineral and Rocks for Construction uses	3233, 3929, 4135, 4370/1
I	22	660	02825	Tuevshrueleh		Occur.	47	26	45	102	3	43	Chrysolite		Gemstones	3208, 3456, 4135
I	23	661		<b>Orhon</b>	Dep.		47	21	15	102	44	45	Gravel		Mineral and Rocks for Construction uses	2215
I	24	662	02412	Khotont(Unnamed IV-2-5)		Occur.	47	21	0	102	28	0	Clay(for )		Mineral and Rocks for Construction uses	4135
II	25	663		<b>Bayanduereh</b>	Dep.		47	59	0	103	1	50	Brown coal		Fuel Resources	4135, 4752
II	26	664	02511	Unnamed I-5-9		Occur.	47	57	0	103	15	0	Clay(for )		Mineral and Rocks for Construction uses	4135
II	27	665	05518	Toirom nuur		Occur.	47	52	0	103	59	0	Sodium Sulfate Resources		Continental Lake Evaporates	4293
II	28	666	02826	<b>Ih, Baga togoo uul</b>	Dep.		47	52	0	103	2	0	Volcanic Cinders		Mineral and Rocks for Construction uses	1635, 3262, 3712, 4135
II	29	667		Bayanzuerh		Occur.	47	51	45	103	4	30	Brown coal		Fuel Resources	4135
II	30	668	02827	<b>Tsagaan tolgoi</b>	Dep.		47	49	0	103	4	0	Volcanic Cinders		Mineral and Rocks for Construction uses	4135, 3712
II	31	669		Tahilt		Occur.	47	48	0	103	10	0	Chrysolite		Gemstones	4135
II	32	670	0746	<b>Ulaan tolgoi</b>	Dep.**		47	48	0	103	10	0	Volcanic Cinders		Mineral and Rocks for Construction uses	3712, 3822, 3929, 4135, 4209/1, 4370/1
II	33	671		Tsagaan nuur II-6-4		Occur.	47	48	15	103	27	25	Sodium Sulfate Resources		Continental Lake Evaporates	4135
II	34	672	02513	Berh II-6-I		Occur.	47	46	0	103	20	0	Granite(decorative)		Mineral and Rocks for Construction uses	4135
II	35	673		Zaraa II-6-5		Occur.	47	41	45	103	25	10	Sodium Sulfate Resources		Continental Lake Evaporates	4135
III	36	674	0736	<b>Shiliin nuur</b>	Dep.		47	54	0	104	17	0	Sodium Sulfate Resources		Continental Lake Evaporates	2223, 4402
III	37	675	03350	Khairhan uul		Occur.	47	50	0	104	30	0	Different Colored Clay Pigments		Mineral Pigments	4355
III	38	676	1006	<b>Moersiin khoendii</b>	Dep.		47	39	0	104	32	0	Sand(for building)		Mineral and Rocks for Construction uses	4537
III	39	677		Tsahiryn gol(Nursun gol, Moeron gol)		Occur.	47	35	20	104	35	45	Sand(for building)		Mineral and Rocks for Construction uses	1894

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
III	40	678		Unnamed		Occur.	47	33	30	104	59	30	Gravel		Mineral and Rocks for Construction uses	1894
III	41	679		Borolzoi uul		Occur.	47	23	30	104	19	20	Sandstone(structural)		Mineral and Rocks for Construction uses	1894
III	42	680	1085	<b>Erdenesant</b>	Dep.		47	22	0	104	28	0	Clay(for )		Mineral and Rocks for Construction uses	4537
IV	43	681		<b>Moltsog els</b>	Dep.***		47	48	0	105	48	30	Quartzic sand		Silica Resources	3496
IV	44	682	05096, 0902	<b>Enhjin</b>	Dep.		47	43	0	105	28	0	Sand(for building)		Mineral and Rocks for Construction uses	1803, 4301
IV	45	683		<b>Avdarent</b>	Dep.***		47	37	45	105	27	30	Granite(decorative)		Mineral and Rocks for Construction uses	1863, 2475, 2958
V	46	684	0642	<b>Tsagaan davaa</b>	Dep.**		47	56	53	106	58	18	Clay(for )		Mineral and Rocks for Construction uses	743, 2349, 3262
V	47	685	0689	<b>Tahiltyn am</b>	Dep.		47	56	0	106	41	0	Clay(for )		Mineral and Rocks for Construction uses	1538, 3262
V	48	686	0643	<b>Nairamdai</b>	Dep.***		47	56	15	106	50	0	Clay(for )		Mineral and Rocks for Construction uses	1538, 2383, 3001, 3262, 4170, 4345, 4370
V	49	687	0919	<b>Songino(Gishuenii am), Ulaanbaatar-II</b>	Dep.***		47	53	0	106	49	0	Sand and gravel		Mineral and Rocks for Construction uses	2142, 2708, 2962, 3262, 4370
V	50	688		Unnamed №1		Occur.	47	51	50	106	24	50	Gravel		Mineral and Rocks for Construction uses	1802
V	51	689		<b>Biokombinat</b>	Dep.		47	45	0	106	45	0	Sand(for building)		Mineral and Rocks for Construction uses	959, 3262
V	52	690	0758	<b>Oendor dov</b>	Dep.		47	43	0	106	54	0	Clay(for )		Mineral and Rocks for Construction uses	1802, 4535
V	53	691		<b>Buh gol(Boehogiin gol)</b>	Dep.		47	37	30	106	52	30	Sand and gravel		Mineral and Rocks for Construction uses	3619
V	54	692	04675	Ih oortsog uul		Occur.	47	35	50	106	35	50	Jasper		Gemstones	5208
V	55	693	0903	<b>Doloon(Els №7)</b>	Dep.		47	28	30	106	23	5	Sand(for building)		Mineral and Rocks for Construction uses	3618, 3619, 3738, 4370
V	56	694		Ivgelt uul №3		Occur.	47	25	30	106	35	0	Sandstone(structural)		Mineral and Rocks for Construction uses	1802
VI	57	695	0923	<b>Khujir bulan</b>	Dep.**		47	54	30	107	4	0	Clay()		Mineral and Rocks for Construction uses	743, 3262
VI	58	696	0692	<b>Nalaih</b>	Dep.		47	51	0	107	17	0	Clay()	Sand	Mineral and Rocks for Construction uses	2366
VI	59	697	0650, 02837	<b>Tsagaan bulag</b>	Dep.***		47	48	48	107	39	46	Limestone	Clays(for cements)	Mineral and Rocks for Construction uses	84, 2287, 2383, 3086, 3262, 3886, 3929, 4370
VI	60	698		<b>Elst gol</b>	Dep.***		47	48	0	107	28	30	Sand(for building)		Mineral and Rocks for Construction uses	2369
VI	61	699	02839	<b>Elstein kheseг №3</b>	Dep.***		47	47	30	107	18	0	Sand(for building)		Mineral and Rocks for Construction uses	1603

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
VI	62	700		<b>Zuen</b>	Dep.		47	47	0	107	52	0	Sand(for building)		Mineral and Rocks for Construction uses	3804
VI	63	701		Khar uezuer		Occur.	47	45	0	107	54	0	Nephrite		Gemstones	3042
VI	64	702		<b>Nalaih</b>	Dep.		47	44	50	107	17	0	Brown coal	Oil Shale	Fuel Resources	2165, 4752, 4772
VI	65	703	02840	Buural khangai		Occur.	47	40	0	107	40	0	Granite(decorative)		Mineral and Rocks for Construction uses	3716
VI	66	704		Navchtai		Occur.*	47	38	0	107	44	0	Granite(decorative)		Mineral and Rocks for Construction uses	3042
VI	67	705		<b>Tsagaan del</b> (Janchivlan, Khailaast, Khangain )	Dep.		47	36	0	107	22	0	Quartz veins(Specialty Silica Materials)		Silica Resources	1407, 1565, 3042, 3217, 3501, 4580
VI	68	706		Khalzan bulag №89		Occur.*	47	33	30	107	49	50	Sand and gravel		Mineral and Rocks for Construction uses	3042
VI	69	707	02529	Occurrence №88(Arhustyn gol)		Occur.	47	33	0	107	59	0	Clay(for )		Mineral and Rocks for Construction uses	3042
VI	70	708	02531	Occurrence №87(Muharyn am)		Occur.	47	31	0	107	40	0	Clay(for )		Mineral and Rocks for Construction uses	3042
VI	71	709	02422	Arshaantyn gol		Occur.	47	28	0	107	40	0	Sand and gravel		Mineral and Rocks for Construction uses	3469
VI	72	710	02423	Khangain oovo №20		Occur.	47	27	0	107	27	0	Granite(decorative)		Mineral and Rocks for Construction uses	3469
VI	73	711	02424	Bor tal		Occur.	47	26	0	107	24	0	Clay(for )		Mineral and Rocks for Construction uses	3469
VI	74	712		Noyon shand I, II	Dep.		47	25	30	107	50	12	Clya(for)		Mineral and Rocks for Construction uses	4908
VI	75	713	02426	Ih bulag		Occur.	47	22	0	107	46	0	Clay(for )		Mineral and Rocks for Construction uses	3469
VI	76	714	0693	<b>Maanit</b>	Dep.***		47	21	0	107	30	0	Clay(for )		Mineral and Rocks for Construction uses	1595, 2349, 3262, 3469
VI	77	715		<b>Maanit</b>	Dep.		47	20	50	107	30	15	Brown coal		Fuel Resources	3469, 4752
VI	78	716	02427	Gashuuny tal(Gashuuny am)		Occur.*	47	20	0	107	34	0	Sand and gravel		Mineral and Rocks for Construction uses	3469
VII	79	717	0913	<b>Khotont</b>	Dep.**		47	19	0	102	35	0	Volcanic Cinders		Mineral and Rocks for Construction uses	4136, 4370/1
VII	80	718		<b>Kharhorin</b>	Dep.***		47	4	0	102	50	0	Grano-diorite(decorative)		Mineral and Rocks for Construction uses	1900, 4580
VII	81	719	02323	Khujirt		Occur.	46	57	30	102	53	0	Brown coal		Fuel Resources	1504
VII	82	720	0737	<b>Khujirt</b>	Dep.		46	51	0	102	17	0	Clay(for )		Mineral and Rocks for Construction uses	655, 1500, 1585, 2284, 3262
VII	83	721	03294	Iher uul		Occur.	46	47	0	102	58	20	Jasper		Gemstones	4946



0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
VII	84	722	00016	Gurvan davaa		Occur.	46	43	0	102	33	0	Hard coal		Fuel Resources	1504
VII	85	723	02791	Uuragt uul(Occurrence №3)		Occur.*	46	42	50	102	45	30	Limestone		Mineral and Rocks for Construction uses	4218, 4946
VIII	86	724	0646	<b>Kharhorin</b>	Dep.		47	16	0	103	8	0	Clay(for )		Mineral and Rocks for Construction uses	1585, 2034, 2349, 3262, 3384, 3470, 4370
VIII	87	725		<b>Zuenbulag</b>	Dep.		47	15	0	103	12	0	Oil Shale		Fuel Resources	1150, 2034, 4772
VIII	88	726		<b>Khoegshin gol</b>	Dep.		47	5	10	103	0	0	Oil Shale		Fuel Resources	436, 1150, 1716, 2034, 4772
IX	89	727		Oevor jargalant		Occur.	47	4	30	104	32	0	Oil Shale		Fuel Resources	48, 4772
IX	90	728		<b>Ih toehom nuur</b>	Dep.		46	55	0	104	59	59	Sodium Sulfate Resources		Continental Lake Evaporates	362
IX	91	729		Toehom nuur		Occur.	46	51	30	104	53	0	Oil Shale		Fuel Resources	526, 4772
IX	92	730	03194	Doloon davst		Occur.	46	51	10	104	36	30	Halite, Sodium Sulfate Resources	Bishophite, Glauberite	Continental Lake Evaporates	1736, 4953
IX	93	731	02001	<b>Davst nuur</b>	Dep.		46	47	0	104	32	0	Halite, Sodium Sulfate Resources	Mirabilite	Continental Lake Evaporates	362, 1936, 4953
IX	94	732	05574	Uenegt		Occur.	46	40	0	104	51	0	Different Colored Clay Pigments		Mineral Pigments	4355
IX	95	733		Bayan uul		Occur.	46	40	0	104	21	0	Clay(for )		Mineral and Rocks for Construction uses	3868
X	96	734		<b>Khariin nuur</b>	Dep.		46	49	0	105	53	0	Sodium Sulfate Resources		Continental Lake Evaporates	1736, 4443
X	97	735		Unnamed №4		Occur.	47	17	40	105	44	40	Sand(for building)		Mineral and Rocks for Construction uses	1802
X	98	736		Tsagaan del		Occur.	47	15	30	105	11	50	Different Colored Clay Pigments		Mineral Pigments	414
X	99	737		Elstiin oendor uul №8		Occur.	47	12	30	105	39	40	Sand(for building)		Mineral and Rocks for Construction uses	1802
XI	100	738		Avdar bayan		Occur.	47	2	0	106	50	0	Limestone		Mineral and Rocks for Construction uses	1907
XI	101	739		Bayanbaraat		Occur.	47	0	0	106	7	0	Sand(for building)		Mineral and Rocks for Construction uses	3262
XI	102	740		Ereen govi		Occur.	46	58	0	106	54	0	Oil Shale		Fuel Resources	4772
XI	103	741	04547	Oelziit nuur		Occur.	46	57	10	106	52	10	Oil Shale		Fuel Resources	4772, 5041
XI	104	742		Nyalga guen		Occur.	46	50	0	106	35	0	Brown coal		Fuel Resources	4752
XII	105	743	0640	<b>Zavod</b>	Dep.		47	18	0	107	34	0	Clay(for )		Mineral and Rocks for Construction uses	1595, 2349

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
XII	106	744		Shand khudag I		Occur.	47	14	18	107	37	30	Limestone		Mineral and Rocks for Construction uses	1920, 3929
XII	107	745	0880	Shand khudag II	Dep.***		47	13	0	107	47	0	Limestone		Mineral and Rocks for Construction uses	1595, 1929, 2383, 3262, 3716, 3929, 4370
XII	108	746	0724	Gurvan khairhan	Dep.		47	10	0	107	50	0	Different Colored Clay Pigments		Mineral Pigments	610, 4355, 4399
XII	109	747		Shavart oboo		Occur.	47	9	0	107	5	0	Oil Shale		Fuel Resources	610, 4772
XII	110	748		Tsaidam	Dep.		47	7	20	107	53	30	Brown coal		Fuel Resources	3469, 4752
XII	111	749		Unnamed		Occur.	47	7	0	107	30	0	Jasper		Gemstones	1802
XII	112	750	0304	Ih tsaidam	Dep.***		47	6	0	107	56	0	Sodium Sulfate Resources	Epsomite, Bishophite, Sodium Sulfate Resources	Continental Lake Evaporates	1843, 1873, 3954, 4953
XII	113	751	05484, 1055	Nutain nuur	Dep.		47	3	30	107	3	0	Sodium Sulfate Resources	Halite	Continental Lake Evaporates	2106, 4953
XII	114	752		Khishigt nuur		Occur.	46	55	0	107	8	0	Different Colored Clay Pigments		Mineral Pigments	4355
XII	115	753	0334	Neihongor(Khongor nuur)	Dep.		46	54	0	107	35	0	Sodium Sulfate Resources	Halite	Continental Lake Evaporates	362, 2106
XII	116	754	0652	Elgen bulag	Dep.***		46	51	0	107	54	0	Perlite		Mineral and Rocks for Construction uses	1545, 1595, 2368, 3262, 3603, 3628, 4370/1
XII	117	755	0656	Bayan oendor	Dep.		46	48	0	107	29	0	Perlite		Mineral and Rocks for Construction uses	3036, 3628
XII	118	756		Bayan tsagaan	Dep.		46	46	27	107	8	0	Sandstone(structural)		Mineral and Rocks for Construction uses	1868
XIII	119	757		Ar tsegeen uul I-I-1		Occur.	46	39	50	102	1	50	Granite(decorative)		Mineral and Rocks for Construction uses	4756
XIII	120	758	03918	Dayangiin am(Occurrence III-3-112)		Occur.	46	37	50	102	19	48	Clay()		Mineral and Rocks for Construction uses	4756
XIII	121	759	03923	Khoes tolgoi(Occurrence II-1-30)		Occur.	46	31	50	102	1	45	Volcanic Cinders		Mineral and Rocks for Construction uses	4756
XIII	122	760	02859	Zuen bayan ulaan(Occurrence №6)		Occur.	46	31	25	102	35	45	Sand and gravel		Mineral and Rocks for Construction uses	4218
XIII	123	761	03919	Occurrence III-21-31		Occur.	46	31	25	102	4	20	Limestone		Mineral and Rocks for Construction uses	4756
XIII	124	762	03915, 03916	Boeroljuet(Oelt tolgoi II-3-74, II-3-65)	Dep.		46	31	15	102	18	25	Jasper		Gemstones	4756
XIII	125	763	03917	Occurrence II-3-79		Occur.*	46	30	38	102	17	5	Limestone		Mineral and Rocks for Construction uses	4756
XIII	126	764		Chandgatai tolgoi (IV-I-136)		Occur.	46	20	28	102	6	5	Grano-diorite(decorative)		Mineral and Rocks for Construction uses	4756
XIII	127	765	0912	Arvaiheer(Ongiin gol)	Dep.***		46	18	45	102	51	45	Sand and gravel		Mineral and Rocks for Construction uses	1614, 2113, 2284, 2574, 3262, 3161, 3912, 4370

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
XIII	128	766		Murui Khuesh		Occur.	46	16	40	102	21	40	Grano-diorite(decorative)		Mineral and Rocks for Construction uses	4756
XIII	129	767	05260	Unnamed(Arvaiheer), 1723,0m oendorlog		Occur.	46	14	40	102	51	30	Granite(decorative)		Mineral and Rocks for Construction uses	2574, 3262, 4580
XIII	130	768	0921	<b>Oegoemor uul</b>	Dep.***		46	14	0	102	35	0	Sandstone(structural)		Mineral and Rocks for Construction uses	1614, 2116, 2284, 2574, 3912, 4370
XIV	131	769	01618	Sairyn doloon nuur(Sangin doloon nuur)		Occur.	46	39	30	103	18	0	Gravel		Mineral and Rocks for Construction uses	2574
XIV	132	770	02864, 0688	<b>Doelgoen(Toelgonii)</b>	Dep.***		46	27	5	103	1	35	Limestone		Mineral and Rocks for Construction uses	1614, 2574, 3262, 4370
XIV	133	771	02030, 02034	Toirom khoengii		Occur.*	46	16	0	103	47	30	Clay(for )	Sand	Mineral and Rocks for Construction uses	1963, 2574
XIV	134	772	0641	<b>Baruunbulag</b>	Dep.**		46	15	30	103	26	0	Limestone		Mineral and Rocks for Construction uses	1585, 2383, 3262, 3912, 4370
XIV	135	773	02337, 0925	<b>Oevdog khudag</b> (Occurrence t.n121)	Dep.***		46	14	0	103	9	0	Clay(for )		Mineral and Rocks for Construction uses	1614, 1957, 2144, 2574, 3262, 3912
XIV	136	774	05214	<b>Ulaan nuur</b>	Dep.		46	2	10	103	22	25	Sand(for building)		Mineral and Rocks for Construction uses	1600, 3161
XIV	137	775	01669, 02496	Yxaa oboo		Occur.	46	0	0	103	30	0	Perlite		Mineral and Rocks for Construction uses	1600, 1863, 3262
XV	138	776		<b>Tsaidam 1</b>	Dep.		46	30	30	104	41	30	Sodium Sulfate Resources		Continental Lake Evaporates	1736
XV	139	777	03199	Davst(Oev)		Occur.*	46	21	0	104	9	0	Sodium Sulfate Resources	Halite, epsomite, Bishophite	Continental Lake Evaporates	4953
XV	140	778	05576	Altganat		Occur.	46	20	0	104	30	0	Different Colored Clay Pigments		Mineral Pigments	4355
XV	141	779	05577	Bayan uulyn ulaan		Occur.	46	18	0	104	21	0	Different Colored Clay Pigments		Mineral Pigments	4355
XV	142	780	02329	Khongor		Occur.	46	12	0	104	47	10	Hard coal		Fuel Resources	1452, 1504, 4752
XV	143	781	02330	Gurvan toirom		Occur.	46	5	0	104	59	59	Hard coal		Fuel Resources	1452, 2196, 4752
XVI	144	782	02933	Khar khonhor		Occur.	46	39	12	105	28	15	Brown coal		Fuel Resources	636, 2027, 4752
XVI	145	783	02332	Oenjuel		Occur.	46	38	0	105	30	0	Brown coal		Fuel Resources	2027, 2196, 4752
XVI	146	784	02946	Tuemen gol		Occur.	46	37	50	105	12	25	Andesite(structural)		Mineral and Rocks for Construction uses	2027
XVI	147	785		Baga adaatsag		Occur.*	46	25	6	105	43	28	Granite(decorative)		Mineral and Rocks for Construction uses	1868
XVI	148	786	03056	Khoeh buerd(Khoeh buedriin jas)		Occur.	46	9	5	105	50	10	Sandstone(structural)		Mineral and Rocks for Construction uses	2027
XVI	149	787	03072, 02333	Morin del		Occur.	46	5	40	105	2	20	Hard coal		Fuel Resources	1452, 2027, 4752

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
XVII	150	788	01069, 1028	<b>Oelziit nuur</b>	Dep.		46	36	0	106	53	0	Sodium Sulfate Resources	Epsomite	Continental Lake Evaporates	362, 2106, 4953
XVII	151	789	01724	Bor khoshuu khudgiin nuur		Occur.	46	35	15	106	32	20	Epsomite	Bishophite	Continental Lake Evaporates	1736, 4953
XVII	152	790		Ongon ovoo(Otgon ovoo)		Occur.	46	35	13	106	45	0	Dolomite		Mineral and Rocks for Construction uses	1868
XVII	153	791	03013	Baga tsahir uul		Occur.	46	31	47	106	21	41	Dolomite		Mineral and Rocks for Construction uses	1868
XVII	154	792	03016	Nariin uul		Occur.	46	30	33	106	35	9	Oil Shale		Fuel Resources	1868, 4772
XVII	155	793	01081	Beliin jas		Occur.	46	17	50	106	44	0	Oil Shale		Fuel Resources	1868, 4772, 5041
XVII	156	794	02335	Emtiin jas(lmt jas)		Occur.	46	2	0	106	27	0	Brown coal		Fuel Resources	815, 4752
XVII	157	795	03080	<b>Mandalgovi(Alag khudag)</b>	Dep.		46	1	53	106	8	30	Limestone		Mineral and Rocks for Construction uses	869, 1613, 3262, 4002
XVII	158	796	02334	Tsarsan chuluut		Occur.	46	1	0	106	0	0	Oil Shale		Fuel Resources	2196
XVIII	159	797		Toirom khar nuur		Occur.	46	39	0	107	50	0	Clay()		Mineral and Rocks for Construction uses	3262
XVIII	160	798		<b>Choir(14 zoerlog)</b>	Dep.		46	38	30	107	43	10	Clay(for )		Mineral and Rocks for Construction uses	1603, 2367
XVIII	161	799	01738, 0651	<b>Zamyn ulaan</b>	Dep.		46	19	30	107	44	50	Perlite		Mineral and Rocks for Construction uses	2974, 3628
XVIII	162	800	03040, 0743	<b>Shar shoroot</b>	Dep.***		46	13	45	107	44	50	Different Colored Clay Pigments		Mineral Pigments	1724, 2009, 3750, 3929
XVIII	163	801	03069	Tsagaan nuur		Occur.	46	6	0	107	54	0	Perlite		Mineral and Rocks for Construction uses	4002
XVIII	164	802	02866, 03077	Jiremiin bulag(Occurrence №9)		Occur.	46	4	30	107	58	40	Chalcedony, onyx	Chalcedony	Gemstones	4002
XIX	165	803		Occurrence XX-I-2-3(XX-I-2-3)		Occur.*	45	50	50	102	17	35	Halite		Continental Lake Evaporates	3912
XIX	166	804		And khudag		Occur.	45	35	0	102	5	0	Oil Shale		Fuel Resources	4772
XX	167	805		<b>Kholboo nuur(Unnamed)</b>	Dep.		45	53	30	103	20	0	Halite		Continental Lake Evaporates	92
XX	168	806	02008, 02508	Khavchig uul(Khavtsal uul, Khachig uul)		Occur.	45	51	0	103	48	0	Brown coal	Shale	Fuel Resources	1504, 1957, 1958, 3912, 4752
XX	169	807	02338, 02339, 03207	Boortsog uul(Occurrence XX-IV-3-3, t.n 849)		Occur.	45	34	0	103	53	30	Limestone	Marl	Mineral and Rocks for Construction uses	1957, 3912
XX	170	808	02340	Unnamed		Occur.	45	33	0	103	46	0	Brown coal		Fuel Resources	92, 1452
XX	171	809	05578	Khooltyn tolgoi		Occur.*	45	33	0	103	0	0	Different Colored Clay Pigments		Mineral Pigments	4361

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XX	172	810	02341	Saihan owoo		Occur.	45	26	0	103	56	0	Brown coal		Fuel Resources	92, 1957, 3912, 4752
XXI	173	811	02868, 03206	Zuen chih uul(Khoevriin khudag, Occurrence XXI-9)		Occur.	45	58	35	104	18	0	Jadeite		Gemstones	3676, 4427
XXI	174	812	00066, 03254, 0305	Baruun tsagaan us(Sangiin dalai)	Dep.**		45	57	30	104	53	30	Halite, Sodium Sulfate Resources		Continental Lake Evaporates	362, 1736, 2106, 3676
XXI	175	813	02345	Tsagaan owoo khudag		Occur.	45	47	0	104	25	0	Brown coal		Fuel Resources	1504, 1957, 4752
XXI	176	814	02891	Erdenedalai(Unnamed)		Occur.	45	46	30	104	52	30	Different Colored Clay Pigments		Mineral Pigments	362
XXI	177	815	03129	Ehiin usny khudag		Occur.	45	39	25	104	41	40	Brown coal		Fuel Resources	3676, 4752
XXI	178	816	03133	Tsavchiryin khiid		Occur.	45	38	55	104	47	15	Brown coal		Fuel Resources	3676, 4752
XXI	179	817	02346	Occurrence t.n 1986		Occur.	45	34	0	104	21	0	Clay(for )		Mineral and Rocks for Construction uses	1957
XXI	180	818	03126, 0337	Baraat nuur(Boroot nuur, Byaruut, Borog nuur)	Dep.**		45	33	20	104	19	30	Halite, Sodium Sulfate Resources		Continental Lake Evaporates	362, 1736, 2106, 3676
XXI	181	819	03212	Davs khudag		Occur.*	45	32	0	104	17	0	Sodium Sulfate Resources		Continental Lake Evaporates	1600, 1957, 3676
XXI	182	820	03220	Khoet khudag		Occur.	45	31	30	104	23	0	Brown coal		Fuel Resources	3676, 4752
XXI	183	821	03216	Khoetiin shine us		Occur.	45	31	0	104	14	0	Brown coal		Fuel Resources	1000, 1452, 2196, 4752
XXI	184	822	03223, 02349	Oevdog khudag(Unnamed)		Occur.	45	26	30	104	8	0	Brown coal		Fuel Resources	1957, 4752
XXI	185	823	03228	Shaug uul(Shar uul)		Occur.	45	25	50	104	2	5	Brown coal		Fuel Resources	3676, 4752
XXI	186	824	03235	Unnamed		Occur.*	45	20	0	104	23	0	Chalcedony	Agate	Gemstones	1957
XXII	187	825	1091	Tevshiin govi	Dep.***		45	59	59	105	59	59	Brown coal		Fuel Resources	1504, 2196, 3589, 4594, 4752
XXII	188	826	02352, 01137, 02870	Khar tolgoi khudag(Occurrence XXII-7)		Occur.	45	56	12	105	38	0	Onyx		Gemstones	2006, 3676, 4752
XXII	189	827	01735, 02353	Oevdog khooloin gashuun	Dep.		45	52	20	105	38	0	Oil Shale		Fuel Resources	48, 1600, 2196, 3676, 5041
XXII	190	828	0877	Elgen govi(Tsagaan owoo)	Dep.***		45	44	0	105	11	0	Hard coal		Fuel Resources	1608, 1849, 3589, 4752
XXII	191	829	02354	Tsahiurt govi(Tsahirtyn)		Occur.	45	35	0	105	2	0	Brown coal		Fuel Resources	1504, 2006, 2196, 4752
XXIII	192	830	01672	Sevhuel khudag(Unnamed)		Occur.	45	55	0	106	34	55	Brown coal		Fuel Resources	3676, 4443
XXIII	193	831		Delgertsogt(Unnamed №23)		Occur.	45	50	0	106	28	0	Brown coal		Fuel Resources	78, 4752

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
XXIII	194	832	02562	<b>Baga shiree</b>	Dep.		45	49	0	106	17	0	Clay(for )		Mineral and Rocks for Construction uses	4317
XXIII	195	833		Unnamed		Occur.	45	45	50	106	44	50	Brown coal		Fuel Resources	3676
XXIII	196	834	03191, 0750	<b>Mandalgovi</b>	Dep.***		45	45	40	106	15	20	Clay(for )		Mineral and Rocks for Construction uses	1613, 2224, 3262, 4281, 4370
XXIII	197	835	03195	<b>Mandalgovi</b>	Dep.***		45	45	13	106	18	11	Granite(decorative)		Mineral and Rocks for Construction uses	1779, 1869, 3262, 3676
XXIII	198	836		Khalgain chuluu(Khiagiin chuluu)		Occur.	45	45	0	106	45	0	Brown coal		Fuel Resources	815, 4752
XXIII	199	837		Talyn khudag		Occur.	45	43	0	106	6	0	Brown coal		Fuel Resources	4752, 3676
XXIII	200	838	03202	Zodoh khudag		Occur.	45	43	0	106	11	30	Different Colored Clay Pigments		Mineral Pigments	451, 1035
XXIII	201	839	03204	<b>Mandalgovi kheseg №3</b>	Dep.***		45	42	44	106	16	30	Sand(for building)		Mineral and Rocks for Construction uses	1869, 3676
XXIII	202	840	03201	<b>Mandalgovi kheseg №2</b>	Dep.		45	42	42	106	13	9	Sand and gravel		Mineral and Rocks for Construction uses	1869, 3262, 3676
XXIII	203	841		<b>Ih khairhan</b>	Dep.		45	42	0	106	20	30	Clay(for )		Mineral and Rocks for Construction uses	4317
XXIII	204	842	0918	<b>Oelziit owoo</b>	Dep.		45	35	0	106	12	0	Sand(for building)		Mineral and Rocks for Construction uses	3287, 3470, 4370
XXIII	205	843	02357	Dersen us		Occur.	45	32	0	106	53	0	Sand and gravel		Mineral and Rocks for Construction uses	4543
XXIII	206	844	02360	Soloit khudag		Occur.	45	26	30	106	40	30	Brown coal		Fuel Resources	1504, 3676, 4543, 4752
XXIII	207	845	02359, 03099	Yashil uul		Occur.	45	25	0	106	54	0	Limestone		Mineral and Rocks for Construction uses	3648, 4543
XXIII	208	846	01038	Bilgeh uul		Occur.	45	23	35	106	42	5	Brown coal		Fuel Resources	451, 3676
XXIV	209	847	03120, 02564	Occurrence XXIV-31		Occur.	45	50	30	107	13	5	Clay(for)		Mineral and Rocks for Construction uses	4377
XXIV	210	848	03160, 0754	<b>Khoet(Bulag khoet)</b>	Dep.		45	45	15	107	45	0	Different Colored Clay Pigments		Mineral Pigments	3750
XXIV	211	849	03197, 02365	Bayanjargalan		Occur.	45	44	30	107	42	15	Brown coal	Oil Shale	Fuel Resources	1452, 1949, 4752, 4772
XXIV	212	850	02872	Khar tevsh		Occur.	45	43	20	107	45	25	Basalt(structural)		Mineral and Rocks for Construction uses	4002
XXIV	213	851	00015, 00017	Tal khudag		Occur.	45	42	0	107	52	0	Brown coal		Fuel Resources	1452, 1504, 4752
XXIV	214	852	03242	<b>Khoetiin khonhor</b>	Dep.		45	40	0	107	38	0	Hard coal	Oil Shale	Fuel Resources	1949, 1682, 4752
XXIV	215	853	03231	Eedem(Khatan bulag, Khoetiin bulag)	Dep.		45	38	0	107	40	0	Oil Shale		Fuel Resources	1949, 2036, 5041

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
XXIV	216	854	03200	Khueist ovoo		Occur.	45	34	0	107	12	5	Oil Shale		Fuel Resources	451, 4377, 5041
XXIV	217	855	02363	Nueht		Occur.	45	31	0	107	13	0	Brown coal	Oil Shale	Fuel Resources	1504, 4752, 4377, 4772
XXIV	218	856	03806, 02565	Khoeh teeg		Occur.	45	27	0	107	13	0	Limestone		Mineral and Rocks for Construction uses	3716, 4727
XXIV	219	857		Unnamed №9, 10		Occur.	45	27	0	107	54	0	Limestone		Mineral and Rocks for Construction uses	1949
XXIV	220	858	01006, 03807, 02566	Occurrence XXIV-42(Granosyenite)		Occur.	45	24	40	107	17	5	Granosyenite(decorative)	Granosyenite	Mineral and Rocks for Construction uses	4377, 4727
XXIV	221	859	02874, 01045	Zairmag khudag		Occur.	45	21	30	107	6	40	Felsite(decorative)		Mineral and Rocks for Construction uses	1863
XXIV	222	860	02793, 01048, 02794, 1078	<b>Gurvansaihan</b>	Dep.		45	21	0	107	21	40	Limestone		Mineral and Rocks for Construction uses	1613, 1633, 3262, 4427
XXV	223	861		Occurrence XXV-I-I-2		Occur.	45	18	0	102	2	30	Clay(for )		Mineral and Rocks for Construction uses	3912
XXV	224	862	02499	Unnamed №9		Occur.	45	17	0	102	5	55	Clay(for )		Mineral and Rocks for Construction uses	1977
XXV	225	863		Unnamed		Occur.	44	56	0	102	57	30	Clay(for )		Mineral and Rocks for Construction uses	1071
XXV	226	864	02876	Khatuu maihan(Manhan uul)		Occur.	44	53	0	102	15	0	Tremolite	Nephrite	Gemstones	3710, 4621
XXV	227	865	02500	Occurrence №16, XXV-IV-I-3		Occur.	44	47	30	102	2	15	Perlite		Mineral and Rocks for Construction uses	1977, 3912
XXV	228	866	02878, 05231	<b>Khuermen solongo</b>	Dep.		44	46	0	102	2	0	Onyx		Gemstones	1900, 3912
XXV	229	867		Zuun bogd		Occur.	44	46	0	102	4	0	Bitumen		Mineral and Rocks for Construction uses	1401, 2316, 3432
XXV	230	868		Toegrog(Nuerst)		Occur.	44	46	0	102	57	0	Oil Shale		Fuel Resources	1071, 4772
XXV	231	869	02879	Angirt		Occur.	44	43	0	102	34	30	Chalcedony, Onyx	Chalcedony	Gemstones	1863
XXV	232	870	02880	<b>Guen us(Togloomt toirom)</b>	Dep.		44	43	0	102	37	0	Chalcedony, Onyx		Gemstones	3710, 3912
XXV	233	871	05191	Bor khuruu		Occur.	44	42	27	102	43	47	Chalcedony		Gemstones	4917
XXV	234	872	02853	Zamyn uhaa		Occur.	44	42	0	102	23	0	Onyx		Gemstones	1863
XXV	235	873	140(2-1)	Occurrence XXV-IV-2-11		Occur.	44	41	30	102	23	20	Sodium Sulfate Resources		Continental Lake Evaporates	3912
XXV	236	874		Uenegt nuruu		Occur.	44	41	30	102	2	30	Brown coal		Fuel Resources	1977, 4752

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
XXV	237	875	05681	Tevsh(Ih tevsh)		Occur.	44	40	0	102	3	40	Chrysolite		Gemstones	3004, 3208, 3457
XXVI	238	876	03250, 02366	Sain toegrogiin		Occur.	45	14	40	103	20	35	Oil Shale		Fuel Resources	1957, 3912
XXVI	239	877		Zuen toegrog		Occur.	45	14	0	103	37	10	Pyrope		Gemstones	3710
XXVI	240	878	02882, 03264	<b>Tsahiurt</b>	Dep.		45	10	0	103	48	0	Chalcedony		Gemstones	1938
XXVI	241	879	03269, 02795	Unnamed(Dolomite)		Occur.	45	7	0	103	23	0	Dolomite		Mineral and Rocks for Construction uses	1936, 1938, 1961
XXVI	242	880	00122	Mandal owoo		Occur.	45	5	2	103	21	4	Dolomite	Chalcedony	Mineral and Rocks for Construction uses	1938, 3490
XXVI	243	881	03283, 03291	Unnamed		Occur.	45	3	0	103	46	0	Chalcedony	Agate	Gemstones	1938?, 1958
XXVI	244	882	03291, 02568	Occurrence XXVI-II-3-6		Occur.	45	3	0	103	37	30	Clay(for )		Mineral and Rocks for Construction uses	1958, 3912
XXVI	245	883	01052, 02796	<b>Elgen bulag</b>	Dep.***		45	0	0	103	28	0	Black and gray coloured Marble		Gemstones	1938, 1961, 2008
XXVI	309	884		Occurrence XXVI-III-4-1		Occur.	44	59	20	103	46	30	Limestone		Mineral and Rocks for Construction uses	3912
XXVI	246	885	02569	Khulgar		Occur.	44	57	0	103	37	0	Limestone		Mineral and Rocks for Construction uses	3616, 3716
XXVI	247	886	01662, 02884	<b>Osh(Ulaan chih uul)</b>	Dep.		44	55	0	103	11	0	Opalized wood		Gemstones	1863
XXVI	248	887	01036	Erdene uul		Occur.	44	45	35	103	10	30	Brown coal	Oil Shale	Fuel Resources	1958, 4752, 4772
XXVI	249	888	01192	Shand khudag		Occur.	44	45	0	103	4	0	Oil Shale		Fuel Resources	1958, 3912
XXVII	250	889		Baahan khadag		Occur.	45	6	0	104	56	20	Chalcedony, Onyx		Gemstones	3676
XXVIII	251	890	0881	<b>Khuld</b>	Dep.		45	12	0	105	34	0	Limestone		Mineral and Rocks for Construction uses	3676, 4536
XXVIII	252	891	01427, 02886	Khuld(Unnamed, Unnamed №6)		Occur.	45	10	0	105	44	0	Chalcedony, Onyx	Agate, onyx	Gemstones	1858, 3676, 4621
XXVIII	253	892		Khuld		Occur.	45	10	0	105	35	0	Different Colored Clay Pigments		Mineral Pigments	
XXVIII	254	893		Delger khangai		Occur.	45	6	0	105	2	0	Brown coal		Fuel Resources	79, 4752
XXVIII	255	894	03106	Doev khudag (XXVIII-34)		Occur.	45	3	20	105	28	30	Limestone		Mineral and Rocks for Construction uses	3676
XXIX	256	895	01060	Occurrence №3(Uenst khudag)		Occur.	45	19	30	106	33	35	Brown coal		Fuel Resources	2196, 3676
XXIX	257	896	03108	Kharaat uul (XXIX-17)		Occur.	45	16	10	106	32	15	Limestone		Mineral and Rocks for Construction uses	3676



0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
XXIX	258	897	03101	Tahilga ovoo (XXIX-33)		Occur.	45	13	5	106	16	0	Limestone		Mineral and Rocks for Construction uses	3676
XXIX	259	898		Lug umyst		Occur.	45	11	0	106	48	0	Brown coal		Fuel Resources	352, 4752
XXIX	260	899	05311	Sharangatai		Occur.	45	10	0	106	0	0	Tourmaline	Garnet, Ophiocalcite	Gemstones	4621
XXIX	261	900	03104	Solgoi bayan (XXIX-54)		Occur.	45	10	15	106	35	20	Limestone		Mineral and Rocks for Construction uses	3676
XXIX	262	901	03103	Sharangatai khudag (XXIX-56)		Occur.	45	9	40	106	0	45	Limestone		Mineral and Rocks for Construction uses	3676
XXIX	263	902	01736	Temeet uul (XXIX-69)		Occur.	45	6	40	106	17	30	Limestone		Mineral and Rocks for Construction uses	3676
XXIX	264	903	05309	Khetsuegiin khongor		Occur.	45	6	0	106	32	0	Dacite(decorative)		Mineral and Rocks for Construction uses	4621
XXIX	265	904	03109	Occurrence XXIX-86(Shar oendor uul)		Occur.	45	3	10	106	27	5	Quartzite(Specialty Silica Materials)		Silica Resources	3676
XXIX	266	905	03107	Sant uul (XXIX-87)		Occur.	45	3	0	106	8	5	Limestone		Mineral and Rocks for Construction uses	3676
XXIX	267	906	03111	Occurrence XXIX-90(lh uul)		Occur.	45	2	30	106	40	45	Quartzite(Specialty Silica Materials)		Silica Resources	3676
XXIX	268	907	03110	Occurrence XXIX-89(Tsagaan uul)		Occur.	45	2	25	106	39	50	Quartzite(Specialty Silica Materials)		Silica Resources	3676
XXIX	269	908	03113	Occurrence XXIX-95		Occur.	45	1	50	106	37	0	Quartzite(Specialty Silica Materials)		Silica Resources	3676
XXIX	270	909	03114	Occurrence XXIX-102(Khersen khudag)		Occur.	45	0	15	106	40	30	Quartzite(Specialty Silica Materials)		Silica Resources	3676
XXIX	271	910	02797	Bayantsagaan		Occur.	44	53	0	106	33	0	Limestone		Mineral and Rocks for Construction uses	4372
XXIX	272	911	02798	Otsontsagaan		Occur.	44	53	0	106	32	0	Limestone		Mineral and Rocks for Construction uses	4372
XXIX	273	912		Occurrence XXIX-8		Occur.	44	44	30	106	33	0	Brown coal		Fuel Resources	1587, 2724, 4752
XXIX	274	913	02012	Occurrence XXIX-10		Occur.	44	42	30	106	56	50	Oil Shale		Fuel Resources	2724, 4772
XXIV	275	914	02875	<b>Oyuut khar</b>	Dep.		45	20	0	107	7	40	Listvenite(decorative)		Mineral and Rocks for Construction uses	1863, 1938
XXIV	276	915		Oldohyn govi		Occur.	45	20	0	107	45	0	Brown coal		Fuel Resources	4752
XXX	277	916	01062, 02887, 02799, 00121	<b>Gurvansaihan</b>	Dep.	Occur.	45	19	0	107	6	0	Black and white coloured Marble		Gemstones	1938, 3490
XXX	278	917	02587, 02888	Tsagaan teeg		Occur.	45	17	0	107	8	0	Tremolite	Dolomite	Gemstones	3710, 3716
XXX	279	918	01330	Tsagaan teeg		Occur.	45	15	0	107	3	0	Limestone		Mineral and Rocks for Construction uses	3816, 4727

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
XXX	280	919	01381, 02589	Kharuul uul, Unnamed(XXX-45)		Occur.	45	10	50	107	52	30	Marble		Mineral and Rocks for Construction uses	4377
XXX	281	920	01625	Zuen toodog khudag		Occur.	45	8	0	107	44	0	Halite		Continental Lake Evaporates	1774, 4377
XXX	282	921	01348	Oevdog khudag		Occur.	45	7	40	107	12	45	Brown coal		Fuel Resources	1769, 4002, 4727, 4752
XXX	283	922	02892	<b>Baruun toodog khudag</b>	Dep.		45	2	0	107	32	30	Opalized wood		Gemstones	1774, 1863
XXX	284	923	01686, 02591	Unnamed XXX-63		Occur.	45	1	5	107	33	20	Clay()		Mineral and Rocks for Construction uses	4377
XXX	285	924	01706	Das uul		Occur.	44	59	45	107	51	0	Brown coal		Fuel Resources	1774, 4752
XXX	286	925	01714, 0755	<b>Baruun isgelen</b>	Dep.***		44	58	15	107	55	55	Different Colored Clay Pigments		Mineral Pigments	3750, 4370
XXX	287	926	02014	Khoeh tsav		Occur.	44	43	0	107	0	0	Oil Shale		Fuel Resources	451, 4377, 4772, 5041
XXX	288	927	02010	Khashaat khudag(Shine usny khudag)	Dep.		44	42	0	107	54	0	Oil Shale		Fuel Resources	10, 1774, 1843, 4772, 5041
XXX	289	928	02017	Unnamed		Occur.	44	41	0	107	35	0	Oil Shale	Bitumen	Fuel Resources	1309, 2724
XXX	290	929	02586	Khavtgai №39		Occur.	44	40	0	107	0	0	Limestone		Mineral and Rocks for Construction uses	1587
XXXI	291	930		<b>Bogd</b>	Dep.		44	39	0	102	19	0	Volcanic Cinders		Mineral and Rocks for Construction uses	3518, 3929
XXXI	292	931		Tsagaan khad		Occur.	44	36	0	102	58	0	Different Colored Clay Pigments		Mineral Pigments	4361
XXXI	293	932	02593	Occurrence a.ts 538		Occur.	44	35	0	102	19	0	Clay(for )		Mineral and Rocks for Construction uses	1977, 3262
XXXI	294	933	05579	Zost uul		Occur.	44	28	0	102	15	0	Different Colored Clay Pigments		Mineral Pigments	4361
XXXI	295	934	02894, 00192	Arts bogdyn nuruu		Occur.	44	27	0	102	50	0	Onyx	Chalcedony, Amethyst	Gemstones	2039, 3925
XXXI	296	935	02895	Zamyn khashaat		Occur.	44	26	0	102	56	0	Quartzite		Gemstones	3929
XXXI	297	936	03285	Shine us		Occur.	44	24	47	102	57	45	Chalcedony		Gemstones	4917
XXXI	298	937	1010	<b>Dulaan bogd</b>	Dep.		44	23	8	102	19	4	Chalcedony, Onyx	Agate, Quartzite, Amethyst	Gemstones	4621, 4693
XXXI	299	938	05580	Khoeh teeg		Occur.	44	23	0	102	35	0	Different Colored Clay Pigments		Mineral Pigments	4361
XXXI	300	939		Occurrence XXXI-II-2-6		Occur.	44	22	10	102	18	10	Onyx		Gemstones	3912
XXXI	301	940	03153	Alag tolgoi		Occur.	44	18	2	102	55	0	Chalcedony		Gemstones	4917

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
XXXI	302	941	01649	Shuvuut khueren		Occur.	44	18	0	102	56	3	Chalcedony		Gemstones	4917
XXXI	303	942		Unnamed		Occur.	44	15	0	102	40	0	Chalcedony	Agate	Gemstones	2017
XXXI	304	943	03155	Nariiny am		Occur.	44	13	15	102	49	3	Chalcedony	Agate	Gemstones	4917
XXXI	305	944	03004, 02897	<b>Bogdyn tsahiurt</b>	Dep.***		44	10	15	102	49	0	Chalcedony	Agate	Gemstones	1900, 3912, 3925, 4370
XXXI	306	945	756, 50- 26	<b>Alag tsav I, II</b>	Dep.***		44	3	53	102	1	10	Halite, Sodium Sulfate Resources	Halite	Continental Lake Evaporates	2472, 3724, 3929, 4370, 4371
XXXI	307	946		Unnamed		Occur.	44	1	50	102	12	42	Brown coal		Fuel Resources	3912
XXXI	308	947		Unnamed		Occur.	44	2	0	102	21	56	Brown coal		Fuel Resources	3912
XXXII	310	948	01663, 2898	Avdarantyn shavar		Occur.	44	32	25	103	7	0	Opalized wood		Gemstones	1863
XXXII	311	949	02900, 01393	Unnamed		Occur.	44	23	0	103	21	0	Chalcedony	Agate	Gemstones	1958
XXXII	312	950	01599, 02901	Baringa		Occur.	44	20	0	103	24	30	Chalcedony	Agate	Gemstones	1938, 2008
XXXII	313	951	02902	<b>Tevsh saihan</b>	Dep.		44	15	0	103	28	0	Obsidian		Gemstones	3710
XXXII	314	952	01640, 02598, 02599	Occurrence XXXII-III-4-2		Occur.	44	13	0	103	58	15	Perlite		Mineral and Rocks for Construction uses	1587, 1958, 3912
XXXII	315	953	01658	Occurrence XXXII-IV-3-2		Occur.	44	6	40	103	44	30	Clay(for )		Mineral and Rocks for Construction uses	1958, 3912
XXXIII	316	954	04580	Muhar ereg		Occur.	44	39	10	104	31	10	Sand and gravel		Mineral and Rocks for Construction uses	4889
XXXIII	317	955	04579	Ulaan tsav khudag		Occur.	44	35	45	104	39	0	Clay(for )		Mineral and Rocks for Construction uses	4889
XXXIII	318	956		Uushig uul		Occur.	44	27	55	104	47	40	Sand(for building)		Mineral and Rocks for Construction uses	4889
XXXIII	319	957	03005, 1009	<b>Doervon dert</b>	Dep.		44	25	8	104	33	48	Firestone	Chalcedony	Gemstones	1600, 1900, 2008, 3676, 4621, 4889
XXXIII	320	958		<b>Khoeh tsav</b>	Dep.		44	25	0	104	36	0	Limestone		Mineral and Rocks for Construction uses	4300, 4370
XXXIII	321	959		Bor bulgan uul		Occur.	44	24	37	104	43	50	Limestone		Mineral and Rocks for Construction uses	4889
XXXIII	322	960		Doervoljin uul		Occur.	44	23	50	104	34	0	Perlite		Mineral and Rocks for Construction uses	4889
XXXIII	323	961	05259	Suel tolgoi		Occur.	44	14	0	104	18	0	Granite(decorative)		Mineral and Rocks for Construction uses	4580
XXXIII	324	962	01666	Khetsue teeg uul XXXIII-49		Occur.	44	13	0	104	1	50	Perlite		Mineral and Rocks for Construction uses	3676

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
XXXIII	325	963	02904	<b>Khuermen</b>	Dep.		44	13	0	104	4	0	Firestone	Onyx	Gemstones	3710
XXXIV	326	964	02600	1293M oendorlog		Occur.	44	19	0	105	6	0	Limestone		Mineral and Rocks for Construction uses	1587
XXXIV	327	965	02601	Occurrence №46		Occur.	44	6	0	105	45	0	Clay(for )		Mineral and Rocks for Construction uses	1587
XXXV	328	966	02606	Moeron №40		Occur.	44	36	0	106	13	0	Limestone		Mineral and Rocks for Construction uses	1587
XXXV	329	967	02873	Uenegt(Occurrence XXXV-16)		Occur.	44	21	0	106	18	0	Brown coal		Fuel Resources	2724, 4752
XXXV	330	968	02607	Khueren tsav №41		Occur.	44	20	0	106	27	0	Limestone		Mineral and Rocks for Construction uses	1587
XXXV	331	969	02609	Ulaan ovoo №38		Occur.	44	17	0	106	34	0	Limestone		Mineral and Rocks for Construction uses	1587
XXXVI	332	970		Unnamed		Occur.	44	37	0	107	20	0	Oil Shale		Fuel Resources	2724

**Explanation:**

Dep.\* - Deposit is exploited

Dep.\*\* - Deposit has been exploited, but the are estimated Reserves

Dep.\*\*\* - Deposit is in operation

Occur.\* - Occurrence without estimated Reserves, but is exploited from the Surface.

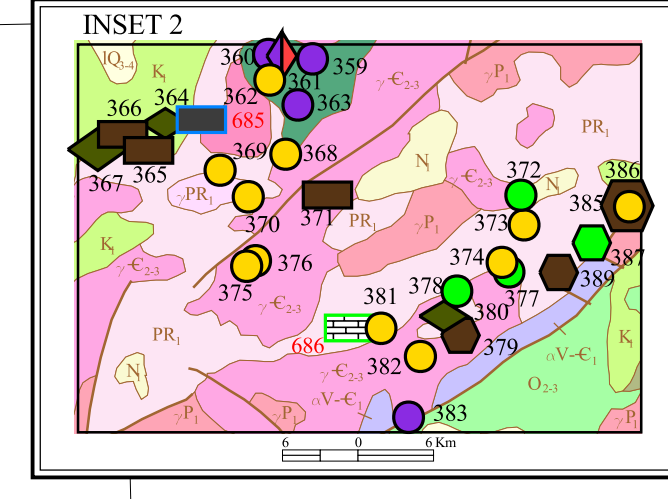
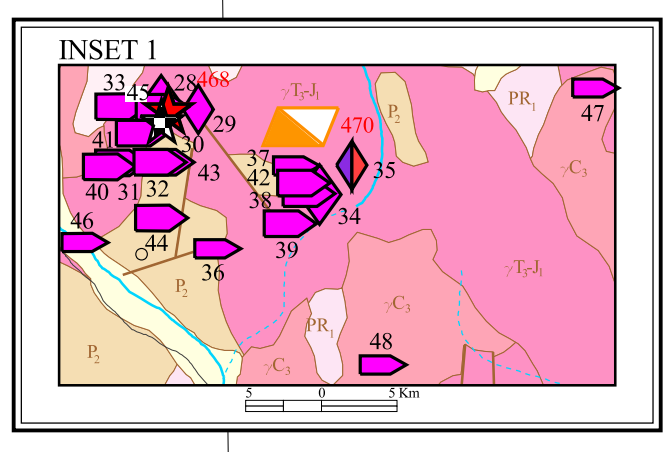
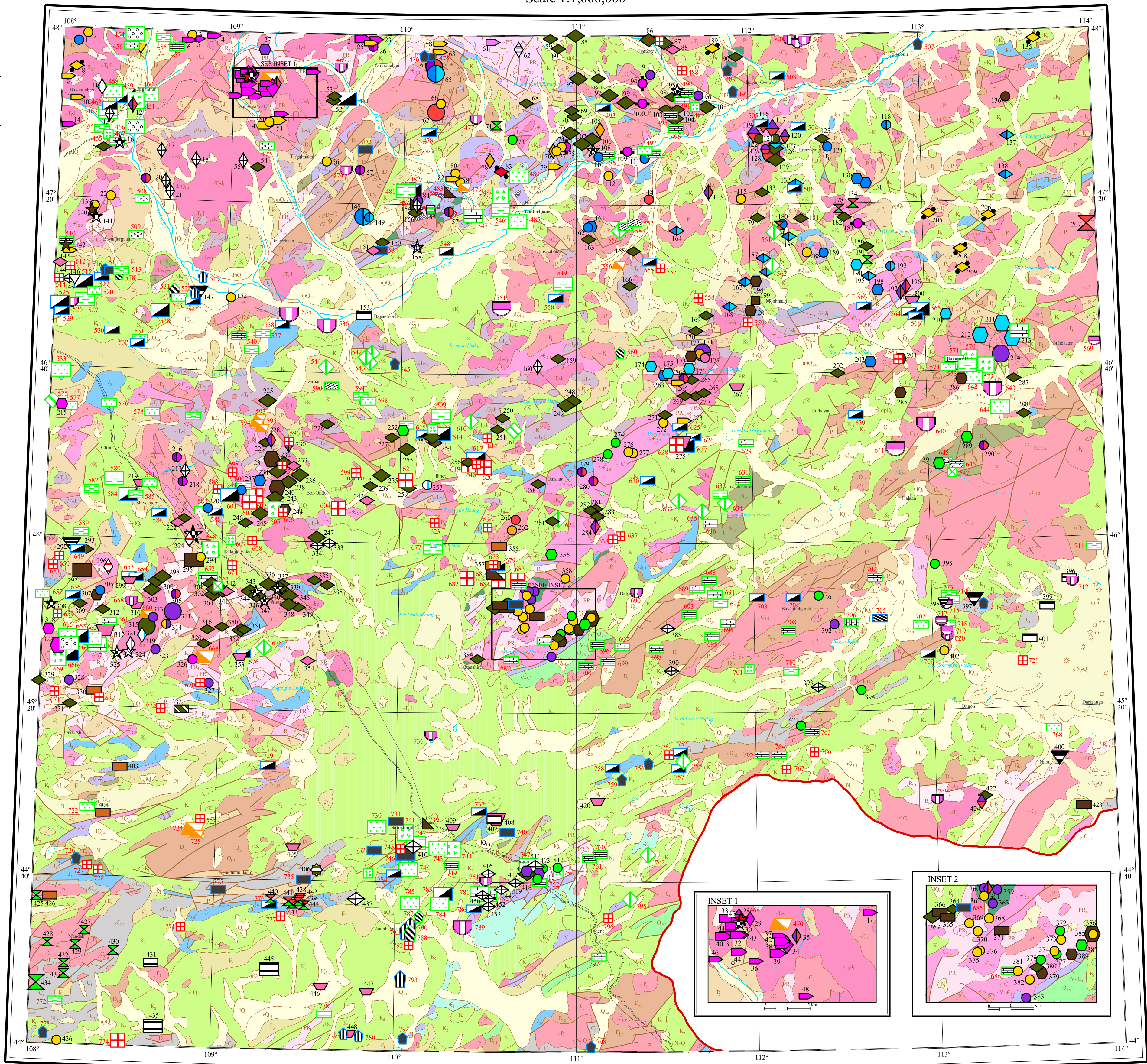
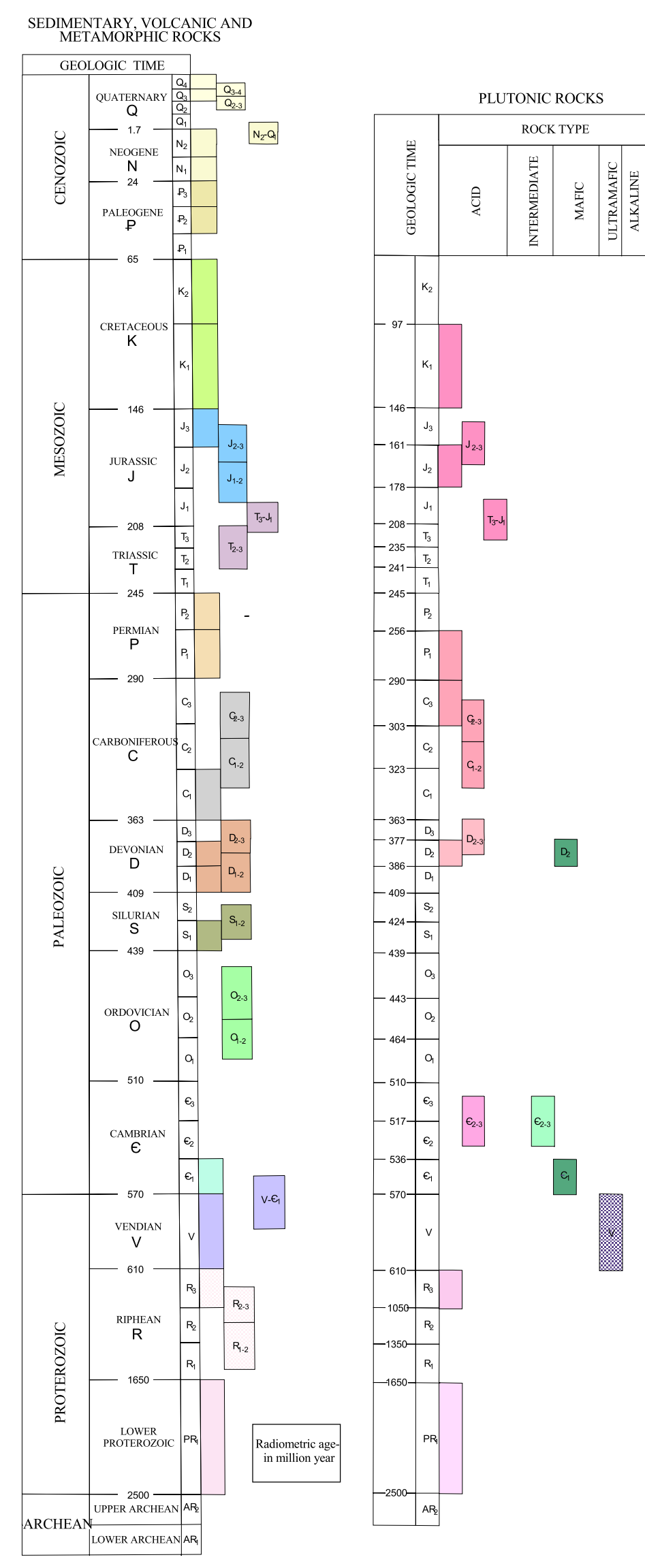
Passport No: 0120 - Deposit passport, 02404 - Occurrence passport

Numbers of Deposits and Occurrences are red in the "Distribution Map of Mineral Deposits and Occurrences in Mongolia" at the Scale of 1:1,000,000.

# MINERAL RESOURCES MAP OF MONGOLIA

L-49  
Scale 1:1,000,000

## LEGEND FOR GEOLOGY



## LEGEND

A. Metals, Talc, Graphite, Uran, Fluorspar, Zeolite, Kaolinite, Bentonite, Gypsum, Phosphate, Optical Quartz, Barium Minerals, Quartzic sand and Sillimanite Group

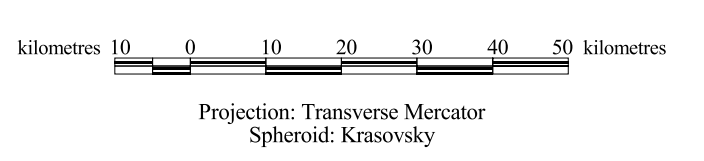
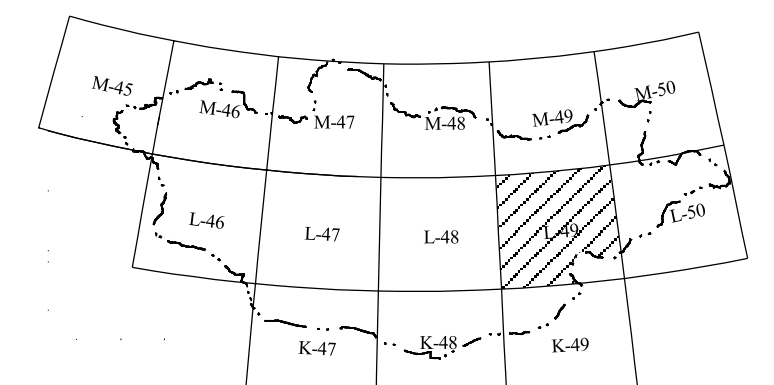
Deposit type	Deposit Occurrence
<b>1. Deposits related to Mafic and Ultramafic Rocks</b>	
1 Zoned mafic-ultramafic Ti-Fe	■
2 Cu-Ni-(PGE) sulfide mafic-ultramafic related	■
<b>2. Deposits related to Subaerial Extrusive Rocks and Dyke Complexes</b>	
3 Epithermal adularia-sericite type Au	◆
4 Volcanic - hosted Hg	◆
5 Epithermal vein/replacement fluorite	◆
6 Volcanic-hosted metasomatic polymetall (Pb-Zn(Cu,Au, Ag))	◆
7 Volcanic-hosted breccia/replacement (Ag-Pb-Zn(Cd,Ga,Cu,Au))	◆
8 Volcanic-hosted U	◆
9 Volcanic-hosted zeolite	◆
<b>3. Stratiform and Stratabound Deposits in sedimentary rocks</b>	
10 Sandstone - hosted U	◆
<b>4. Deposits related to Calc-Alkaline and Alkaline Granitic Intrusions</b>	
<b>4.1. Pegmatite, Greisen and Alkaline metasomatic Deposits</b>	
11 Li pegmatite	◆
12 Be pegmatite	◆
13 REE pegmatite	◆
14 Mirolitic and abyssal pegmatite	◆
15 W - Mo - Be greisen	◆
16 W - Mo greisen	◆
17 W - Sn greisen	◆
18 Nb-Ta-REE alkaline metasomatites	◆
<b>4.2. Skarn deposits</b>	
19 Fe(Cu,Au,W,Sn) skarn	◆
20 Fe - Zn skarn	◆
21 Cu(Fe, Au, Ag, Mo) skarn	◆
22 Pb - Zn (Ag, Cu, W, Fe) skarn	◆
23 W (Mo, Fe, Cu) skarn	◆
24 Sn (Fe) skarn	◆
<b>4.3. Porphyry and Granitic Pluton-hosted Deposits</b>	
25 Porphyry Mo (Cu, W, Sn, Bi, Ag)	◆
26 Porphyry Cu - Mo (Ag, Re)	◆
27 Porphyry Cu (Au, Ag)	◆
<b>4.4. Granitoid Related vein, stockwork, metasomatic deposits</b>	
28 Granitoid related Au	◆
29 Granitoid related stockwork/ metasomatic Cu	◆
30 W(Mo) veins and stockworks	◆
31 Mo(W) veins and stockworks	◆
32 W-Mo veins and stockworks	◆
33 W - Mo - Be veins/stockworks	◆
34 Fluorite-phenacite- bertrandite Be veins	◆
35 Cassiterite-sulfide veins	◆
36 Cassiterite-silicate veins	◆
37 Sn (W) veins	◆
38 W - Sn veins	◆
39 Vein/replacement Ag - Pb - Zn	◆
40 Vein/replacement Pb - Zn	◆
41 Granitoid related U	◆
42 Tantalite granite	◆
43 Granitoid related stockwork/metasomatic Fe	◆
44 Granitoid related fluorite veins	◆
<b>5. Deposits Related to Alkaline Magmatic Rocks</b>	
45 Barite-celestine- stromite veins/breccia	◆
<b>6. Sedimentary Mineral Deposits</b>	
46 Sedimentary Fe (Mn)	◆
47 Sedimentary Mn (Fe)	◆

48 Sedimentary phosphate	◆
49 Sedimentary gypsum	◆
<b>7. Deposits Related to Metamorphosed Rocks</b>	
50 Banded iron formation (BIF)	◆
51 Talc replacement	◆
52 Metamorphic graphite	◆
53 Metamorphic disten-sillimanite-andalusite-kianite	◆
<b>8. Deposits related to Surficial Process</b>	
54 Placer Au	◆
55 Placer Sn (W)	◆
56 Placer monacite	◆
57 Paleoplacer Au	◆
58 Sedimentary kaolinite	◆
59 Sedimentary bentonite	◆
60 Sedimentary quartzic sand	◆

## B. Fuel Resources, Gemstones, Silica Resources, Industrial Diamond, Continental Lake Evaporates, Mineral Pigments, Minerals and Rocks for Construction Uses

Mineral Resources	Mineral Deposit	Occurrence
<b>1. Fuel Resources</b>		
1 Peat, turf	◆	◆
2 Brown coal	◆	◆
3 Hard coal	◆	◆
4 Oil shale	◆	◆
5 Oil or petroleum	◆	◆
<b>2. Gemstones</b>		
6 Chalcedony + Agate, Gaize, Jasper, Ophticalcids, Opalized Wood, Rhodony and Pyrope	◆	◆
<b>3. Silica Resources</b>		
7 Industrial sand Silica speciality Materials (Quartz Veins)	◆	◆
<b>4. Technical Minerals</b>		
8 Industrial Diamond	◆	◆
<b>5. Continental lake evaporates</b>		
9 Halite and Sodium Sulfate Resources	◆	◆
10 Sodium Sulfate Resources	◆	◆
11 Soda Ash	◆	◆
<b>6. Mineral Pigments</b>		
12 Pigments, iron oxide	◆	◆
<b>7. Minerals and Rocks for Construction uses: Aggregates, Lightweight Aggregates, Building stones, Decorative stones, Cement Raw Materials and others</b>		
14 Bitumen	◆	◆
15 Clays and loam	◆	◆
16 Sand	◆	◆
17 Sand and gravel	◆	◆
18 Clayey shale	◆	◆
19 Limestone	◆	◆
20 Dolomite	◆	◆
21 Chalk	◆	◆
22 Marl	◆	◆
23 Perlite	◆	◆
24 Volcanic cinders and pumice	◆	◆
25 Decorative stones	◆	◆
26 Crushed stones, Building stones, Dimension stones	◆	◆

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Mineral deposits and occurrences compiled from Open File Reports of the Geological Information Center of MRAM, by **Tumengin Ganbaatar**

Digital cartography by Myangaigin Erdenetseseg: Geological Information Center, MRAM 2001.

Geology from Geological Map of Mongolia at scale 1:1,000,000 compiled in 1999 by G. Badaach, Ts. Makhbador, D. Orolmaa, P. Khosbayar, O. Tomurtogoo, Institute of Geology and Mineral Resources, Academy of Sciences of the Mongolia.

Printed by Geological Information Center of MRAM in 2001. Ulaanbaatar

**Metals & Industrial Minerals Deposits & Occurrences in the Sheet L-49**  
*Compiled by Tumengiin Ganbaatar*

Number in the L-49 sheet	Passport number in GIC	Deposit and occurrence name	Dep.	Occur.	Location						Major commodity	Minor commodity	Deposit type	Data source: Open File Report number in GIC, Mongolia
					Latitude			Longitude						
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	2002	Unnamed occurrence		Occur.	47	57	0	108	05	0	Pb, Zn	Cu	Granitoid related vein/replacement Pb-Zn	1904
2	4147	Baruun baidlag occurrence		Occur.	47	59	0	108	08	30	Au	Ag	Granitoid related vein Au	1710
3	923	Omnot khondii-2		Occur.	47	59	0	109	45	0	Au		Granitoid related vein Au	1943
4	1789	Yudegiin gol		Occur.	47	59	0	108	53	0	Sn		Placer Sn	2513
5		Burgastai		Occur.	47	48	0	108	47	0	Sn		Placer Sn	2513
6	842	Dugang gol		Occur.	47	58	0	108	44	0	Sn	W	Placer Sn	2513
7	4150	Occurrence №13		Occur.	47	55	50	108	27	10	Au		Paleoplacer Au	5033
8	2405	Bayantsagaan		Occur.	47	51	0	108	05	0	Au-Ag		Epithermal adularia-sericite type Au	3469
9	4152	Occurrence №48		Occur.	47	48	20	108	02	0	Au		Placer Au	5033
10	4151	Occurrence №47		Occur.	47	43	26	108	05	30	Au		Placer Au	5033
11	5684	Occurrence №23		Occur.	47	46	0	108	14	0			Be pegmatite	1701
12	5691	Kherlen		Occur.	47	42	0	108	25	0	W, Mo	Au	W-Mo greisen	2401, 2075
13	3539	Unnamed occurrence		Occur.	47	40	0	108	17	0	Marion		Miarolitic and abyssal pegmatite	1710
14	832	Tsagaan chuluut		Occur.	47	37	0	108	03	0	Sn, W		Placer Sn	1954
15	2834	Jonsht tolgoi		Occur.	47	32	5	108	15	30	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4985
16	4482	Baits uul		Occur.	47	33	20	108	21	0	graphite		Metamorphic graphite	4985
17	2227	Bayan ulaan		Occur.	47	31	42	108	35	30	Marion		Miarolitic and abyssal pegmatite	553, 1621
18	2031	Unnamed occurrence		Occur.	47	29	45	108	47	30	Marion		Miarolitic and abyssal pegmatite	1710
19		Unnamed occurrence		Occur.	47	25	0	108	30	30	W	Au, Bi, Cu	W-Mo veins and stockworks	2401, 1845
20	2032	Bayan bulag		Occur.	47	24	30	108	37	20	Marion		Miarolitic and abyssal pegmatite	553, 1621
21	5697	Unnamed occurrence		Occur.	47	22	0	108	39	0	Marion		Miarolitic and abyssal pegmatite	2495, 4102
22	4050	Shar bulagiin am		Occur.	47	20	30	108	18	30	Au	Ag	Granitoid related vein/replacement Au	4985
23		Omno delger-2		Occur.	47	59	0	109	50	0	Sn		Placer Sn	1953
24	184	Omno delger	Dep.**		47	59	0	109	45	0	Sn		Placer Sn	2284, 1666

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
25		Enh gol		Occur.	47	58	0	109	47	40	Au	Sn	Placer Au	1943
26	846	Omno delger		Occur.	47	57	30	109	48	30	Sn		W-Sn veins and stockworks	1566, 2772
27	2037	Beis		Occur.	47	56	0	109	11	0	W	Pb, Zn	W-Mo skarn	1596
28	116	Modot	Dep.**		47	50	0	109	05	0	Sn	W	W-Sn greisen	485, 5269
29		Bayanmod		Occur.	47	50	0	109	07	0	Sn	W	W-Sn greisen	1557
30	2205	Tuvshin uul		Occur.	47	49	0	109	05	0	graphite		Metamorphic graphite	3934, 4269
31	111	Bayan mod	Dep.**		47	48	0	109	03	0	Sn	W	Placer Sn	2707, 4267
32	114	Burgast	Dep.**		47	48	0	109	05	0	Sn	W	Placer Sn	1976
33	112	Dund	Dep.**		47	50	0	109	03	0	Sn	W	Placer Sn(W)	1875, 2707
34		Baruun Khujhaan	Dep.**		47	47	0	109	13	30	Sn	W	W-Sn greisen	2818, 4267
35		Bayan tsogt- Tuvshin		Occur.	47	48	0	109	15	0	Mo, W	Sn, Au, Ag	W-Mo greisen	3905
36	00849	Marzat		Occur.	47	45	0	109	08	0	Sn	W	Placer Sn	2514
37	112	Baruun Khujhaan		Occur.	47	48	0	109	12	0	Sn	W	Placer Sn	2707, 2022
38	119	Tom jalga	Dep.**		47	47	0	109	13	0	Sn	W	Placer Sn	1974, 1991
39	120	Zuun Khujhaan	Dep.**		47	46	0	109	12	0	Sn	W	Placer Sn	2707, 2022
40	118	Modotyn technogen	Dep.**		47	48	0	109	03	0	Sn	W	Placer Sn	1875, 2707
41	115	Usan khagalbaryn	Dep.**		47	49	5	109	04	0	Sn	W	Placer Sn	563, 1875, 2707
42	121	Technologiin	Dep.**		47	47	0	109	13	0	Sn	W	Placer Sn	2707, 2022
43	113	Burgast	Dep.**		47	48	0	109	05	0	Sn	W	Placer Sn	381, 1857
44	116	Modot	Dep.**		47	6	0	109	50	0	Sn	W	Placer Sn	2707, 1873
45	117	Kassetritet jalga	Dep.**		47	50	0	109	05	0	Sn	W	Placer Sn	563, 2843
46	852	Khudag		Occur.	47	45	0	109	01	0	Sn	W	Placer Sn	2514
47	838	Moron gol		Occur.	47	51	0	109	28	0	Sn	W	Placer Sn	553
48	30	Orgonii am		Occur.	47	41	0	109	17	0	Sn		Placer Sn	680, 2514
49		Khatagtai	Dep.		47	38	0	109	12	0	Au		Placer Au	4657
50		Tsenkher gol		Occur.	47	39	0	109	13	0	Au		Granitoid related vein Au	1758
51		Iljigtei	Dep.		47	39	0	109	16	0	Au		Placer Au	4657
52		Mongon tolgoi		Occur.	47	44	10	109	35	20	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4443, 3882

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
53	2084	Khutagtyн khiid		Occur.	47	45	20	109	35	40	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4079
54		Jonsht		Occur.	47	28	18	109	09	0	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	3053
55		Uchastok-3		Occur.	47	9	40	109	04	0	Mountain crystal		Miarolitic and abyssal pegmatite	553, 1621
56	831	Dash baljir		Occur.	47	30	0	109	33	0	Au	Ag	Granitoid related vein Au	1845
57		Zulegt		Occur.	47	28	0	109	45	0	W, Sn	Be	W-Sn veins	2995
58	5157	Narangiin gol		Occur.	47	58	0	110	12	0	Au		Placer Au	4632
59		Baruun khotol		Occur.	47	59	30	110	51	0	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4443
60		Khotol		Occur.	47	57	0	110	54	0	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4443
61		Tsagaan chuluut		Occur.	47	58	34	110	30	50	REE		Placer monazite	812, 4659
62		Unnamed occurrence		Occur.	47	57	0	110	40	0	monazite zircon		REE pegmatite	812, 4659
63	5159	Tsagaan chuluut		Occur.	47	56	0	110	12	0	Au		Placer Au	4632
64		Ondor tsagaan ovoo	Dep.		47	52	30	110	10	30	W, Mo		W-Mo veins and stockworks	3452
65	9 21	Mongon Ondor	Dep.		47	51	0	110	11	0	Ag, Pb, Zn	Sn, Cd	Granitoid related vein/replacement Ag-Pb-Zn	2696, 3794
66	924	Khoyor zotlog		Occur.	47	44	0	110	13	0	Au	Ag	Granitoid related vein/replacement Au	2796, 2935
67	30	Tsagaan chuluut	Dep.		47	42	0	110	11	0	Mo		Mo stockworks	81, 562
68	854	Narangiin ovoo		Occur.	47	44	10	110	42	42	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4443
69		Occurr.№2149		Occur.	47	42	30	110	58	43	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4443
70		Occurr.№3098		Occur.	47	41	8	110	59	30	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4443
71		Ukhash		Occur.	47	39	0	110	32	30	Cu		Porphyry Cu	426, 2995
72	612	Bulgan uul	Dep.**		47	37	0	110	58	0	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	1711, 1758
73	256	Unnamed occurrence		Occur.	47	35	40	110	38	2	Cu		Granitoid related vein Cu	1758
74		Unnamed occurrence		Occur.	47	34	0	110	55	0	Au		Granitoid related vein replacement Au	1758
75	2057	Norov		Occur.	47	34	0	110	56	0	Sn		Cassiterite-sulfide veins	1758, 4425
76	925	Ikh norov		Occur.	47	33	0	110	53	0	Nb, Zr, REE		Nb(Ta)-Zr-REE alkaline metasomatites	4425, 4659
77	5303	Bulgiin		Occur.	47	33	0	110	53	12	Au		Granitoid related vein replacement Au	1758
78		Mogoi chuluut		Occur.	47	30	40	110	30	4	Zr, REE		Nb(Ta)-Zr-REE alkaline metasomatites	3907, 4659
79		Aduun chuluun		Occur.	47	29	10	110	52	15	Au		Placer Au	4658
80		Ulaan undur-1		Occur.	47	27	30	110	18	0	Au		Granitoid related vein Au	1758, 4443
81		Ulaan undur-3		Occur.	47	25	40	110	19	50	Au		Granitoid related vein Au	1758, 4443



0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
82		Khailaast		Occur.	47	26	0	110	17	0	Au		Placer Au	1758
83		Tsariigin gol		Occur.	47	28	0	110	34	0	Hg		Volcanic-hosted Hg	1845
84		Tsagaan owoo		Occur.	47	21	0	110	05	0	W	Mo	W(Mo) veins and stockworks	1758, 2085
85	606	Mali	Dep.**		48	0	0	111	00	0	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4144
86	609	Yamaat	Dep.**		47	59	0	111	26	0	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4144
87	3127	Batnorov	Dep.**		47	58	20	111	31	0	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4144
88		Tanai/ 201-203/		Occur.	47	57	0	111	34	0	U		Volcanic-hosted U	2451
89		Tsagaan		Occur.	47	57	0	111	48	0	Au, Ag		Epithermal adularia-sericite type Au	4425
90	2068	Delgertsogt		Occur.	47	55	0	111	56	0	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4144
91	2072	Bayankhaan		Occur.	47	51	0	111	26	0	W	Mo	W-Mo veins and stockworks	2846, 4443
92	607	Chimid	Dep.**		47	50	0	111	01	0	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4144
93		Ondog undur		Occur.	47	50	0	111	07	53	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	1711
94	799	Tsug		Occur.	47	49	0	111	23	0	Sn		Cassiterite-sulfide veins	4425
95		Unnamed occurrence		Occur.	47	47	0	111	35	30	graphite		Metamorphic graphite	2844
96	2081	Burd		Occur.	47	46	0	111	43	0	W	Mo	W(Mo) veins and stockworks	4425
97	635	Berh	Dep.**		47	46	0	111	11	30	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	1245, 1711
98	2083	Petropavlovskoe		Occur.	47	45	30	111	33	40	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4144, 2844
99	605	Delgerhaan	Dep.***		47	44	15	111	17	30	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4144
100		Khoit		Occur.	47	44	10	111	23	30	Sn	Fe	Cassiterite-silicate veins	4658, 4425
101	610	Owoo sum	Dep.**		47	43	0	111	45	30	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	2944
102	2086	Khoit Serven		Occur.	47	42	38	111	35	40	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	2919, 4144
103	2087	Baruun Serven		Occur.	47	42	40	111	31	30	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4443
104		Serven	Dep.**		47	40	30	111	34	30	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	2844
105		Tumen		Occur.	47	38	0	111	08	28	Nb, Y	Nb, Ta	Nb(Ta)-Zr-REE alkaline metasomatites	4425, 4659
106		Idermeg	Dep.**		47	35	30	111	05	30	CaF <sub>2</sub>	Hg	Epithermal vein/replacement fluorite	1122, 4144
107	611	Bayanhaan	Dep.**		47	34	30	111	02	20	CaF <sub>2</sub>	Hg	Epithermal vein/replacement fluorite	4144
108	2927	Idermeg-Bayankhaan		Occur.	47	33	0	111	06	0	graphite		Metamorphic graphite	441
109		Baruun tsug		Occur.	47	32	20	111	18	0	Sn		Cassiterite-silicate veins	4425, 4658
110	2089	Tolgoi		Occur.	47	31	37	111	07	35	Ag, Pb, Zn		Granitoid related vein/replacement Ag-Pb-Zn	4425

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
111	922	Urt		Occur.	47	31	12	111	23	55	Ag, Pb, Zn	Au	Granitoid related vein/replacement Ag-Pb-Zn	4425
112	3814	Navtgar khaalga		Occur.	47	27	20	111	11	30	Au	Ag	Granitoid related replacement Au	4719
113	843	Ikh uul		Occur.	47	23	0	111	46	0	W, Mo		W-Mo greisen	4308
114	3815	Ulaan tolgoi		Occur.	47	21	30	111	25	20	Mo	Au	Mo veins	4719
115	920	Ikh tsagaanchuluut		Occur.	47	21	30	111	57	30	Au	Mo, Ag	Granitoid related replacement Au	4308
116		Khoit Tumentsogt		Occur.	47	38	46	112	05	32	W	Mo, Be, CaF <sub>2</sub>	W-Mo-Be greisen	4144, 4443
117		Tumentsogt	Dep.**		47	38	15	112	08	30	W	Mo, Be, CaF <sub>2</sub>	W-Mo-Be greisen	2804, 4443
118		Unnamed occurrence		Occur.	47	38	10	112	48	20	Ag, Pb, Zn	Cu	Granitoid related vein/replacement Ag-Pb-Zn	4443
119		Baruun	Dep.**		47	37	0	112	02	0	W	Mo, Be, CaF <sub>2</sub>	W-Mo-Be greisen	2157, 1976, 2804
120		Dund		Occur.	47	36	0	112	13	0	W	Be, CaF <sub>2</sub> , Sn	W-Mo-Be greisen	429, 4443
121		Zamyn		Occur.	47	35	30	112	09	20	CaF <sub>2</sub>		Granitoid related fluorite veins	4144, 4443
122		Unnamed occurrence		Occur.	47	35	20	112	03	47	CaF <sub>2</sub>		Granitoid related fluorite veins	4443
123		Occurr. № 5		Occur.	47	34	30	112	09	38	Pb	Cu	Volcanic-hosted metasomatic polymetall Pb-Zn(Cu,Au,Ag)	1976
124		Baruun chuluut oboo		Occur.	47	33	30	112	27	20	Pb	Zn, Ag	Granitoid related vein/replacement Ag-Pb-Zn	1946
125	888	Bayanzagt		Occur.	47	35	15	112	26	0	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4144
126	753	Khailuur jonsh	Dep.		47	33	20	112	09	10	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4144, 4145
127		Itgel/ Oiryu/		Occur.	47	33	0	112	06	0	W	Be, CaF <sub>2</sub>	W-Mo-Be veins	2804
128	14-12	Shar khad	Dep.**		47	32	0	112	08	0	W	Mo, Be, CaF <sub>2</sub>	W-Mo-Be veins and stockworks	429
129	625	Anas	Dep.**		47	30	32	112	09	29	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4144
130	4605	Gurvansaikhan-1		Occur.	47	26	0	112	38	0	Zn	Cd	Pb-Zn skarn	3623, 2163
131	4603	Gurvansaikhan-2		Occur.	47	25	0	112	41	0	Pb, Zn	Ag, Sn	Pb-Zn skarn	1946, 2163
132		Unnamed occurrence		Occur.	47	24	50	112	16	30	CaF <sub>2</sub>	Cu, Mo	Volcanic-hosted breccia/replacement Ag-Pb-Zn	1946
133		Omnot-1		Occur.	47	22	58	112	04	45	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4144
134		Chuluut kholvoo		Occur.	47	20	1	112	36	14	Cu, Mo		Porphyry Cu-Mo	2155
135		Sumber/ Bulgiin buleg/		Occur.	47	58	0	113	41	0	Au, Ag		Epithermal adularia-sericite type Au	1889
136	968	Occur. №8		Occur.	47	44	8	113	30	5	Fe		Granitoid related replacement Fe	527, 3360
137		Occur. №12		Occur.	47	35	5	113	30	20	Ag, Pb, Zn		Volcanic-hosted breccia/replacement Ag-Pb-Zn	3360,4443
138		Occur. №15		Occur.	47	25	55	113	29	30	Ag, Pb, Zn		Volcanic-hosted breccia/replacement Ag-Pb-Zn	336, 1889

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
139		Tsagaan khushuu		Occur.	47	18	15	108	13	0	Au		Granitoid related vein replacement Au	4825
140		Zuun tsagaan khushuu		Occur.	47	17	10	108	12	0	Fe		Banded iron formation (BIF)	4825
141		Jargalant		Occur.	47	15	28	108	13	35	Graphite		Metamorphic graphite	4825
142		Gedger khangai		Occur.	47	8	36	108	03	35	Fe		Banded iron formation (BIF)	4825
143		Tsagaan nuurny khondii/ Khavtsgai del		Occur.	47	7	10	108	04	35	Au		Placer Au	4825
144	953	Narangiin bulag		Occur.	47	4	20	108	0	0	U		Volcanic-hosted U	822
145		Unnamed occurrence		Occur.	47	0	40	108	05	10	zeolite		Volcanic-hosted zeolite	4825
146		Dorolj tolgoi		Occur.	47	0	40	108	06		quartz		Sedimentary quartzic sand	4825
147		Kherlen	Dep.		46	58	40	108	50	0	bentonite		Sedimentary bentonite	35, 4580
148	27	Tugalgatain nuruu	Dep.		47	17	0	109	46	0	Pb, Zn		Volcanic-hosted breccia/replacement Ag-Pb-Zn	559, 2937, 2996
149	2098	Gotor ovoo		Occur.	47	17	0	109	48	0	Pb, Zn		Volcanic-hosted breccia/replacement Ag-Pb-Zn	2937
150	885	Tsahiurt		Occur.	47	11	0	109	53	0	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	2083
151	510	Moron		Occur.	47	9	0	109	50	0	U	Pb	Volcanic-hosted U	2451
152	921	Chandyn ovoo		Occur.	46	58	0	109	01	0	Au	Ag	Granitoid related vein Au	1701
153	2100	Bayan munh		Occur.	46	54	0	109	47	0	gypsum		Sedimentary gypsum	1710
154		Unnamed occurrence		Occur.	47	20	0	110	05	0	Mountain crystal		Miarolitic and abyssal pegmatite	1407
155	2102	Tuntgerhoh		Occur.	47	19	2	110	09	33	Ni	Cu	Cu-Ni-(PGE) sulfide mafic-ultramafic related	3797, 2085
156	881	lkh buurtsagt		Occur.	47	18	10	110	04	14	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	2085
157		Olzii bulag		Occur.	47	18	30	110	16	0	W	Mo	W-Mo veins and stockworks	2085, 4443
158		Unnamed occurrence		Occur.	47	6	0	110	10	0	talc	asbestos	Talc replacement	426
159		Unnamed occurrence		Occur.	46	43	50	110	54	0	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4443
160		Khotol uul		Occur.	46	42	0	110	47	0	marion		Miarolitic and abyssal pegmatite	1341
161	2106	Buyan uul		Occur.	47	14	52	111	05	15	Pb, Zn	Ag, Au, Cu	Pb-Zn skarn	4229
162		Unnamed occurrence		Occur.	47	14	50	111	04	5	Zn	Pb	Granitoid related vein/replacement Pb-Zn	4229
163		Tsogtsgor uul		Occur.	47	12	10	111	04	45	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4229
164	2107	Zaanshiree	Dep.		47	13	50	111	34	50	Ag, Pb, Zn	Cu, Sn	Volcanic-hosted breccia/replacement Ag-Pb-Zn	3166
165		Chavgangs undur		Occur.	47	9	20	111	20	0	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	3166
166	747	Kharaat uul		Occur.	47	0	55	111	18	45	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4229

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
167		Unnamed occurrence		Occur.	47	1	45	111	58	30	Ag, Pb, Zn	Cu	Volcanic-hosted breccia/replacement Ag-Pb-Zn	1689
168		Unnamed occurrence		Occur.	46	56	0	111	53	0	Pb, Zn		Volcanic-hosted breccia/replacement Ag-Pb-Zn	1689
169		Tsogtyn shand		Occur.	46	54	0	111	45	0	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	1589
170		Bogd uul		Occur.	46	50	20	111	41	30	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4086
171	14 11	Burentsogt	Dep.*		46	45	0	111	43	0	W	Mo, Be	W-Mo-Be veins and stockworks	1342, 1801
172	908	Buren tsogt		Occur.	46	45	0	111	43	0	Ta	Nb	Tantalite granite	527, 1726
173		Soronzon khar uul		Occur.	46	44	30	111	39	40	Fe		Fe skarn	2080, 3452
174		Erdene ondor		Occur.	46	42	4	111	26	2	Zn	Fe	Fe-Zn skarn	2080, 3452
175	947	Baruun uurkhait		Occur.	46	40	30	111	31	45	Zn	Fe, Cu	Fe-Zn skarn	1399
176		Unnamed occurrence		Occur.	46	41	30	111	38	48	Zn	Fe, Pb	Fe-Zn skarn	1399
177		Baruuntsogt		Occur.	46	44	0	111	44	0	U		Granitoid related U	2451
178		Erdene shand		Occur.	47	18	47	112	31	26	Cu, Mo		Porphyry Cu-Mo	2165, 4443
179	1661	Bayan		Occur.	47	17	0	112	03	0	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4277, 4443
180		Occurr. № 45		Occur.	47	15	28	112	11	21	Ag, Pb, Zn	Cu, Bi	Granitoid related vein/replacement Ag-Pb-Zn	2080
181	3150	Ulaan khad		Occur.	47	16	30	112	18	0	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4277, 4443
182	3229	Khajuu bulag		Occur.	47	16	45	112	33	15	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4005
183	1781	Engeriin bulag		Occur.	47	15	12	112	37	45	Sn		Cassiterite-silicate veins	4005, 4443
184	795	Delger chandmani uul		Occur.	47	15	14	112	10	42	Mo	Ag	Porphyry Mo(Cu)	4277
185		Delger nuur		Occur.	47	12	30	112	14	0	Ag, Zn	Cu	Volcanic-hosted breccia/replacement Ag-Pb-Zn	4277, 4443
186	2519	Batulzii		Occur.	47	9	48	112	40	40	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4005, 4443
187		Zulegt		Occur.	47	7	25	112	04	50	Pb, Zn	Ag	Volcanic-hosted breccia/replacement Ag-Pb-Zn	1946, 4443
188		Berhiin ovoo		Occur.	47	8	42	112	19	48	Au	Ag, Cu, Pb, Zn	Granitoid related replacement Au	2165, 2156, 3360
189	4616	Sumber khudag		Occur.	47	8	30	112	25	38	Pb	Zn	Granitoid related vein/replacement Pb-Zn	4277
190	4602	Skarn		Occur.	47	5	30	112	37	8	Zn		Pb-Zn skarn	336, 2156
191	2109	Gaikhamshigt		Occur.	47	6	40	112	41	6	Cu	Ag	Porphyry Cu	4005, 4443
192	9 32	Khavtsgait		Occur.	47	4	55	112	48	36	Ag, Pb, Zn	Cu, Mo	Granitoid related vein/replacement Ag-Pb-Zn	4005
193		Tsagaan ondor		Occur.	47	4	0	112	05	52	Pb, Ag	Zn, Mo	Volcanic-hosted breccia/replacement Ag-Pb-Zn	2155, 3611
194	948	Monkhaan-2		Occur.	47	2	0	112	02	0	Fe		Fe skarn	650, 4443

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
195		Occur.№20		Occur.	47	2	58	112	41	4	Ag, Pb, Zn	Cu, Mo	Volcanic-hosted breccia/replacement Ag-Pb-Zn	2080, 4443
196		Gol owoo		Occur.	47	0	0	112	54	15	W, Mo, Be	Pb, Zn, Ag	W-Mo-Be greisen	4005, 4443
197	794	Tsagaan owoo		Occur.	46	58	40	112	52	10	W, Mo		W-Mo greisen	4005
198		Skarn		Occur.	46	59	25	112	44	25	Pb, Zn	Cu	Pb-Zn skarn	4005
199	949	Munhhaan		Occur.	46	57	30	112	02	0	Fe		Zoned mafic-ultramafic Ti-Fe	650, 4443
200		Ikh bulag		Occur.	46	57	0	112	56	0	U		Sandstone-hosted U	2451
201		Unnamed occurrence		Occur.	46	55	0	112	00	0	Fe		Fe skarn	4443
202		Altan owoo		Occur.	46	40	0	112	30	8	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4086
203	974	Tsakhirt owoo		Occur.	46	42	35	112	41	20	Pb, Zn	Cu	Pb-Zn skarn	1946
204		Tsakhur owoo		Occur.	46	43	0	112	51	20	Fe		Fe skarn	1946
205	936	Yargait		Occur.	47	17	20	113	02	30	Ag		Epithermal adularia-sericite type Au	4657
206	918	Elstiin		Occur.	47	16	25	113	23	15	Au, Ag		Epithermal adularia-sericite type Au	3147
207	6	Aryn nuur	Dep.		47	13	30	113	57	0	Mo	Cu	Porphyry Mo(Cu)	1946, 2174, 2175
208	930	Balamyn owoo		Occur.	47	8	50	113	13	10	Ag		Epithermal adularia-sericite type Au	3147
209		Omnot		Occur.	47	4	8	113	13	30	Au, Ag		Epithermal adularia-sericite type Au	4443, 3147
210		Sul tsagaan owoo		Occur.	46	53	30	113	07	35	Cu		Fe-Zn skarn	1946, 4443
211	85	Khol khudag	Dep.		46	50	30	113	26	30	Zn	Mo, W, Fe	Fe-Zn skarn	3622
212	5	Tomortiin owoo	Dep.		46	48	0	113	19	0	Zn	Fe, Cd	Fe-Zn skarn	3465
213		Salkhit	Dep.		46	47	0	113	30	0	Zn	Cu, Pb	Fe-Zn skarn	1830, 1979, 2317
214	01414	Salaa	Dep.		46	43	36	113	26	0	W	Mo	W(Mo) veins and stockworks	2176, 4175
215	916	Baruun Choir		Occur.	46	31	0	108	04	0	Sn	Fe	Sn skarn	2315
216	1725	Khondlon		Occur.	46	19	10	108	44	0	W, Sn	Pb, Zn	W-Sn veins	4443
217	2220	Choir		Occur.	46	16	10	108	47	0	Marion		Miarolitic and abyssal pegmatite	1572
218		Choir uul		Occur.	46	13	45	108	46	15	W	Sn	W-Sn veins	1986
219	3039	Shivee owoo		Occur.	46	13	0	108	32	0	U		Sandstone-hosted U	2451
220	2695	Dalan ukhaa		Occur.	46	7	30	108	54	40	Pb, Zn	Mo	Granitoid related vein/replacement Pb-Zn	4443
221		Seeriin bulag		Occur.	46	5	0	108	47	20	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4316
222		Khar tolgoi		Occur.	46	4	0	108	45	0	U		Volcanic-hosted U	2451
223	3023	Khutul ulaan	Dep.		46	1	0	108	50	0	graphite		Metamorphic graphite	1602, 2389

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
224	24-8	Khokh del ulaan		Occur.	46	0	0	108	49	0	Li	Be, Sn	Li pegmatite	1832
225	855	Bor khujir	Dep.***		46	33	15	109	14	30	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	2495, 4102
226	1615	Tsagaan onдор		Occur.	46	27	58	109	35	0	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	1246, 1701
227		Unnamed occurrence		Occur.	46	25	0	109	57	0	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	2472
228	862	Devter-2		Occur.	46	23	52	109	15	59	Mo, W	Sn	W-Mo greisen	4102
229	1690	Tsagaan uul		Occur.	46	23	20	109	14	0	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4102
230	1692	Bayan ovoo		Occur.	46	22	58	109	21	59	Mo, W		W-Mo greisen	1136, 1322
231	26	Bargilt	Dep.		46	19	20	109	16	20	Fe		Fe skarn	4102
232	614	Adag	Dep.***		46	18	25	109	20	26	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	2753
233		Borondor		Occur.	46	18	0	109	24	0	U		Volcanic-hosted U	2451
234	753	Khailuur jonsh	Dep.		46	16	20	109	18	15	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4144
235	615	Khajuu ulaan	Dep.**		46	16	0	109	53	30	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	1136, 1727
236	617	Borondor	Dep.***		46	15	50	109	26	10	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	3540
237	2115	Ulaan khets		Occur.	46	14	30	109	12	40	Pb, Zn	Ag, Cd, Sn	Pb-Zn skarn	4102
238	616	Borondor-1	Dep.**		46	14	0	109	22	0	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4144
239		Ikh khēt	Dep.	Occur.	46	13	0	109	50	0	U		Volcanic-hosted U	1344, 4443
240	2611	Dorboljin	Dep.		46	12	30	109	18	30	Fe		Fe skarn	898, 4443, 1949
241	2640	Ikh jargalant		Occur.	46	12	0	109	06	0	Pb, Zn	Ag	Granitoid related vein/replacement Pb-Zn	4102
242	508	Ikh khētiiin		Occur.	46	11	0	109	49	0	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	2451
243		Bayanulaan	Dep.**		46	10	15	109	17	35	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4102
244	941	Zost Ondor		Occur.	46	7	20	109	20	20	Fe	Cu	Fe skarn	1399
245	752	Saikhan gashuun	Dep.**		46	6	25	109	12	40	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	1246, 2284
246		Dorboljin		Occur.	46	4	12	109	08	0	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4443
247	747	Dai uul	Dep.		46	1	0	109	32	0	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	898, 4418
248	638	Galshar	Dep.**		46	33	40	110	58	44	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	1323, 1944, 2284
249	759	Khar bichigt	Dep.**		46	32	40	110	56	26	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	951
250		Suvirai		Occur.	46	29	50	110	35	0	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	3282
251	1621	Khotol		Occur.	46	27	2	110	33	5	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	1246, 3282
252	2130	Occur. №40, 41		Occur.	46	26	40	110	01	0	Cu	Fe	Cu skarn	2472

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
253	618	Khamar us	Dep.***		46	25	0	110	11	0	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4144
254	1700	Baruun barga		Occur.	46	23	40	110	11	45	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	1136, 1322
255	613	Zuun tsagaan del	Dep.**		46	22	15	110	02	20	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	1136, 1727, 2586
256	620	Tsagaan elgen	Dep.**		46	19	0	110	24	0	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	1136, 3552
257		Busiinchuluu		Occur.	46	14	0	110	09	20	Be	Sn, W, Mo	Fluorite-phenacite-bertrandite Be veins	898, 3648
258	904	Baruun buyant		Occur.	46	14	20	110	47	15	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	1721
259	2663	Ikh khet		Occur.	46	13	0	110	03	0	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	1944
260	797	Occur. №21a, b		Occur.	46	5	50	110	39	30	Mo	W	Mo(W) veins	3478
261	2942	Oortsog owoo		Occur.	46	5	30	110	52	0	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	1643
262	909	Uizen		Occur.	46	3	20	110	38	8	Ta	Nb, Li, Mo	Tantalite granite	1642, 1881
263	4606	Baruun omnot		Occur.	46	40	4	111	30	3	Zn	Pb	Zn-Pb skarn	2860
264		Unnamed occurrence		Occur.	46	39	0	111	37	0	W, Mo		W-Mo veins	1871
265	2668	Khavtsal		Occur.	46	38	42	111	39	46	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	1871, 4086
266		Muhlagtiin owoo		Occur.	46	38	0	111	35	0	Au		Placer Au	1695, 1801, 3359
267	3065	Shand bulag		Occur.	46	37	0	111	55	0	U		Sandstone-hosted U	2451
268	2804	Shand bulag		Occur.	46	35	45	111	44	0	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	1643, 1871, 4086
269		Unnamed occurrence		Occur.	46	35	0	111	37	30	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	1871
270	816	Sudal №4		Occur.	46	34	40	111	41	20	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	1871
271	2950	Baishint		Occur.	46	30	40	111	30	40	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	1871
272	928	Olziit		Occur.	46	29	0	111	30	0	Au	Ag, W	Granitoid related Au	1871
273		Tsulgai		Occur.	46	29	0	111	37	0	Au		Placer Au	4657
274		Baruun		Occur.	46	24	0	111	13	30	Cu		Granitoid related replacement Cu	3451
275	3068	Olziit	Dep.	Occur.	46	24	0	111	36	0	U	V, Mo, Ce	Sandstone-hosted U	2451
276	3031	Oortsog owoo-1		Occur.	46	22	0	111	18	0	Au	Ag	Granitoid related Au	4657
277		Tsagaachuluut		Occur.	46	21	50	111	19	20	Au	Ag	Granitoid related Au	1721
278		Unnamed occurrence		Occur.	46	21	7	111	10	43	Cu	Au, Ag, W	Granitoid related replacement Cu	1852
279	2137	Buyant-2		Occur.	46	17	0	111	02	0	W, Mo	Bi	W-Mo stockworks	1879, 1852
280	1740	B uyant-1		Occur.	46	15	0	111	06	0	W, Mo		W-Mo veins	1970, 4658
281		Geten shand		Occur.	46	8	15	111	06	50	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	2396, 3748

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
282	1745	Khoh ondor		Occur.	46	8	0	111	05	0	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	2396
283		Adagbayan		Occur.	46	6	40	111	07	35	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	1734
284	2140	Khongor bulag		Occur.	46	4	12	111	06	45	W, Mo		W-Mo greisen	1643
285		Khokh shandyn khudag		Occur.	46	35	0	112	51	0	Fe		Fe skarn	650, 4443
286		Unnamed occurrence		Occur.	46	38	0	113	12	0	Fe		Fe skarn	2027, 4443
287		Unnamed occurrence		Occur.	46	38	0	113	30	0	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	2317
288		Gun bulag		Occur.	46	29	20	113	33	30	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	2317
289		Baruun		Occur.	46	24	0	113	13	30	Cu		Cu skarn	3451, 4443
290	913	Ats ulaan owoo		Occur.	46	22	0	113	19	0	Mo, W	Bi	W-Mo veins	2026
291		Occur. №14		Occur.	46	17	59	113	03	42	Cu		Cu skarn	3923
292		Ulaan nuur	Dep.		45	58	0	108	09	0	kaoline		Sedimentary kaolinite	181, 4580
293		Unnamed occurrence		Occur.	46	57	0	108	14	0	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	1690, 4443
294	1067	Mogoit nuuriin suurin		Occur.	45	56	0	108	53	0	Au	Ag	Granitoid related Au	3507
295	3 -10	Dartsagt/ Khongor/	Dep.		45	55	5	108	51	0	Fe		Sedimentary Fe	3451, 612
296	1630	Monkh tsagaan dorvoljin		Occur.	45	53	0	108	22	0	Li	Ta	Li pegmatite	4443
297	3-11	Ereen	Dep.		45	52	0	108	13	0	Fe		Sedimentary Fe	4722
298	849	Maihant-1	Dep.**		45	51	0	108	40	0	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	2036, 3507
299	3189	Ereen-1		Occur.	45	50	0	108	29	0	U		Sandstone-hosted U	2451
300	850	Maihant -2	Dep.		45	49	55	108	38	15	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	3507, 2036
301	3035	Khoit khongor	Dep.		45	49	35	108	56	50	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4316
302	602	Khongor-1	Dep.**		45	48	30	108	58	0	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4144
303	601	Tsagaan tahilch	Dep.**		45	48	0	108	37	0	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4144
304	604	Khongor-3	Dep.**		45	47	23	108	57	50	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	621, 4144
305	3214	Salaa ulaan ondor		Occur.	45	47	20	108	19	10	Pb	Zn	Granitoid vein/replacement Pb-Zn	4443
306	3221	Khoit		Occur.	45	47	0	108	45	0	W, Mo	Bi	W-Mo veins	1704, 4443
307	3741	Elgen bulag		Occur.	45	46	0	108	18	30	Fe		Fe skarn	4002
308	4483	Tsagaan ergiin owoo		Occur.	45	44	0	108	03	0	graphite		Metamorphic graphite	4002
309	5030	Khadan khushuu		Occur.	45	44	10	108	12	30	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4002
310		Anomal. Group №12		Occur.	45	44	10	108	31	30	U		Sandstone-hosted U	2451



0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
311	2240	Ikh nartyn khiid	Dep.		45	43	0	108	44	0	W	CaF <sub>2</sub>	W veins	1630
312	5027	Shar Oortsog		Occur.	45	43	0	108	20	35	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4002
313	2152	Ikh nart -Jargalant		Occur.	45	41	30	108	37	30	W	Mo, Bi, Sn	W veins	1845
314	2154	Bichigt brigad		Occur.	45	40	0	108	42	0	Au	Ag, W, Mo, Sn	Granitoid related Au-W-Mo	2674
315		Ikh nartiin khiid	Dep.		45	39	0	108	35	0	CaF <sub>2</sub>		Granitoid related fluorite veins	1630, 4443
316	1057	"Plato"		Occur.	45	38	50	108	56	0	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	1704
317	3190	Kharaat	Dep.		45	38	10	108	21	30	U		Sandstone-hosted U	2451
318	1164	Shovh		Occur.	45	38	0	108	02	20	Sn	Zn, W, Ag	Sn skarn	4002
319	2241	Ikh nartiin khiid		Occur.	45	37	0	108	34	0	Be	Li	Be pegmatite	1572, 1877
320	1326	Tsagaan tsahiurt-1		Occur.	45	35	30	108	54	50	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	1280, 1691
321	3173	Tsagaan tolgoi		Occur.	45	35	0	108	30	0	Be		Be pegmatite	2008
322	13-61	Oortsog ovoo	Dep.		45	34	0	108	06	0	Zn	Fe	Zn skarn	4346, 4002, 1877
323		Ger chuluu		Occur.	45	33	52	108	38	30	W	Mo	W veins	4443
324		Khetsiin khudag		Occur.	45	33	26	108	30	0			Metamorphic disten-sillimanite-andalusite	1877
325	1355	Khokh teeg		Occur.	45	32	47	108	25	30	graphite		Metamorphic graphite	2674
326	1357	Oortsog ovoo		Occur.	45	32	0	108	51	0	Sn	W, Mo	Sn(W) veins	1877
327		Nuden		Occur.	45	26	20	108	56	35	W	Mo, Be	W veins	1987
328	2156	Khur ulaan nuur/ Bulgiin kharaat/		Occur.	45	26	0	108	10	0	W	Mo, Au, Ag	W veins	1845
329	5026	Khuren ulaan nuur		Occur.	45	25	42	108	00	0	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	1877
330		Khokh teeg		Occur.	45	23	45	108	18	30	Mn		Sedimentary-Mn	2674
331	1428	Sartigiin		Occur.	45	20	30	108	10	30	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	1877
332		Khokh chuluunii ulaan nuur		Occur.	45	20	0	108	48	0	Phosphorites		Sedimentary phosphate	1845
333		Unnamed occurrence		Occur.	45	59	35	109	36	10	zeolite		Volcanic-hosted zeolite	4443
334		Unnamed occurrence		Occur.	45	59	5	109	32	20	zeolite		Volcanic-hosted zeolite	4443
335		Unnamed occurrence		Occur.	45	51	0	109	32	0	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	2046
336	749	Naidvar	Dep.		45	50	0	109	16	0	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	271, 3641
337	633	Occur. №19		Occur.	45	50	0	109	21	0	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4443
338		Unnamed occurrence		Occur.	45	50	0	109	36	0	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4443
339		Khar Airag	Dep.**		45	49	0	109	19	43	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	1146, 1890, 1990

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
340	3947	Naidvar		Occur.	45	49	0	109	19	19	graphite		Metamorphic graphite	4779
341	603	Khongor-2	Dep.**		45	48	0	109	01	0	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4443, 621, 1704
342	507	Khongor-2		Occur.	45	48	0	109	02	0	U		Volcanic-hosted U	2451
343	630	Bujgar	Dep.**		45	48	0	109	10	0	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	1146, 1890, 1990, 2325
344		Unnamed occurrence		Occur.	45	47	40	109	12	40	graphite		Metamorphic graphite	839
345	3282	Omnot KharAirag	Dep.**		45	47	16	109	23	0	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	1146
346	3192	Khuren	Dep.		45	47	0	109	12	0	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	1990
347	3209	Occur. №45		Occur.	45	46	0	109	15	0	graphite		Metamorphic graphite	839
348	631	Khairt	Dep.**		45	45	0	109	23	0	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	1146, 1990, 2327
349	3296	Erdene tolgoi		Occur.	45	44	30	109	26	40	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	2370
350	1061	Baga nart		Occur.	45	39	30	109	0	45	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	1280, 3509
351	1058	Nartyn khiid		Occur.	45	39	0	109	08	0	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	1704
352	621	Baruun tsagaan del	Dep.**		45	39	0	109	07	0	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	1890, 2324
353	397	Khavtsal		Occur.	45	32	42	109	07	8	U		Sandstone-hosted U	2442, 4659
354		Ulaan nuur		Occur.	45	32	0	109	30	0	U		Volcanic-hosted U	2451
355		Unnamed occurrence		Occur.	45	59	38	110	34	0	Mn		Sedimentary Mn	4443
356	2604	Namart		Occur.	45	57	30	110	51	48	Cu	Zn, Pb	Cu skarn	1734
357	1341	Erdenetsogt		Occur.	45	55	0	110	32	0	Mn		Sedimentary Mn	291, 4443
358		Khushuut		Occur.	45	52	0	110	56	30	Au	Ag, Cu	Granitoid related vein Au	3748
359	2165	Khar chuluu		Occur.	45	49	0	110	46	0	W	Mo	W stockworks	2315
360	2164	Ars khudag		Occur.	45	49	0	110	43	0	W	Mo	W stockworks	2315
361	2163	lkh chuluu		Occur.	45	49	0	110	44	0	W	Mo	W-Mo greisen	1857
362		1207,6 -r ondorlog		Occur.	45	48	0	110	43	20	Au		Granitoid related vein Au	1845
363		Shiiriin chuluu		Occur.	45	47	0	110	45	0	W	Mo, Bi, Ag	W-Mo veins and stockworks	2674, 4443
364	824	Occur. 1154.m		Occur.	45	46	0	110	37	0	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	1631, 1857
365		Omno бага		Occur.	45	45	0	110	36	0	Fe		Sedimentary Fe	1631
366		Khiid		Occur.	45	45	45	110	34	10	Fe	Ag	Sedimentary Fe	1631
367	637	Omno бага chuluu	Dep.**		45	45	0	110	33	0	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	1857, 2324
368	990	Monh khoyor chuluu		Occur.	45	44	45	110	44	20	Au		Granitoid related vein Au	1845

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
369	3776	Unnamed occurrence		Occur.	45	44	10	110	40	20	Au	Ag	Granitoid related vein Au	1631
370		Omno бага чулуу-1		Occur.	45	43	0	110	42	0	Au	Ag	Granitoid related vein Au	1845
371	1044	Munh khoyor чулуу		Occur.	45	43	10	110	46	45	Fe	Ag	Sedimentary Fe	1631
372		Anomali №48		Occur.	45	43	6	110	58	30	Cu		Granitoid related replacement Cu	1446, 4443
373	3781	Chandman uul -4		Occur.	45	41	50	110	59	0	Au		Granitoid related vein Au	4443
374		Bayan sum		Occur.	45	40	10	110	57	30	Au		Granitoid related vein Au	4443
375		Omno бага чулуу-2		Occur.	45	40	0	110	42	0	Au		Granitoid related vein Au	4657
376		Unnamed occurrence		Occur.	45	40	20	110	42	40	Au		Granitoid related vein Au	4657
377		Khar tolgoi		Occur.	45	39	50	110	58	0	Cu		Granitoid related stockwork/metasomatite Cu	2044, 2648
378		Profil- VII		Occur.	45	38	50	110	54	45	Cu		Granitoid related stockwork Cu	1631, 2648
379	1099	Morogtsog		Occur.	45	37	0	110	55	0	Fe		Fe skarn	1631
380		Morogtsog		Occur.	45	37	50	110	54	0	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	1631, 1854
381	1327	Unnamed occurrence		Occur.	45	37	30	110	50	20	Au		Granitoid related vein Au	4657
382		Unnamed occurrence		Occur.	45	36	10	110	52	45	Au		Granitoid related vein Au	4443
383	1379	Baga khuis tolgoi		Occur.	45	33	30	110	51	45	W		W(Mo) veins and stockworks	4443
384	822	Altan shiree		Occur.	45	33	0	110	27	0	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	1944
385	2261	Chandman uul		Occur.	45	42	30	111	05	10	Au	Ag	Granitoid related vein Au	4377, 2648
386	3-13	Chandaman uul	Dep.		45	42	30	111	05	10	Fe	Cu	Fe skarn	407
387		Chandman uul-3		Occur.	45	41	0	111	03	05	Cu	Au, Ag, Pb, Zn	Cu skarn	275
388	3538	Unnamed occurrence		Occur.	45	40	0	111	31	0	Zeolite		Volcanic-hosted zeolite	4377
389	1071	Bayan sum		Occur.	45	39	40	111	01	0	Fe		Fe skarn	275
390		Unnamed occurrence		Occur.	45	29	55	111	31	55	Zeolite		Volcanic-hosted zeolite	4377
391	4104	Kharvahiin tolgoi		Occur.	45	47	30	112	22	05	Cu	Ag	Granitoid related vein Cu	5020
392	04108	Unnamed occurrence		Occur.	45	40	45	112	27	15	W	Zn	W veins	5020
393		Borzon		Occur.	45	25	45	112	21	20	Zeolite		Volcanic-hosted zeolite	5020
394	4105	Togrog uul		Occur.	45	25	10	112	35	40	Cu		Granitoid related vein Cu	5020
395		Erdene tolgoi		Occur.	45	54	34	113	01	34	Cu		Granitoid related vein Cu	5020
396	2173	Khavirga		Occur.	45	50	0	113	47	0	gypsum		Sedimentary gypsum	4669
397		Baruun ayagan	Dep.		45	46	0	113	14	20	bentonite		Sedimentary bentonite	3500, 4580

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
398		Shuut khuuvriin ovoo		Occur.	45	45	0	113	05	0	kaoline		Sedimentary kaolinite	4580
399		Unnamed occurrence		Occur.	45	44	0	113	39	0	gypsum		Sedimentary gypsum	407
400	659	Naran	Dep.		45	38	0	113	40	0	bentonite		Sedimentary bentonite	4580, 3570
401	4120	Zuun busluur		Occur.	45	36	20	113	32	50	gypsum		Sedimentary gypsum	5020
402		Enger khov		Occur.	45	34	0	113	04	0	Au	Ag, Cu	Granitoid related stockwork Au	4657
403		Unnamed occurrence		Occur.	45	6	0	108	28	0	Mn		Sedimentary Mn	79
404		Zuun bulangiin khudag		Occur.	44	55	0	108	23	0	Mn		Sedimentary Mn	1774, 4443
405	502	Yant		Occur.	44	48	0	109	26	0	U		Sandstone-hosted U	2451
406	2180	Ondor naran		Occur.	44	42	45	109	34	35	Sr, Ba	REE, CaF <sub>2</sub>	Barite-celestite-strontite veins/breccia	3602, 4659
407	2186	Sainshand		Occur.	44	55	0	110	33	0	gypsum		Sedimentary gypsum	3049
408	2186	Narst	Dep.		44	55	0	110	33	0	U	V, La, Ge	Sandstone-hosted U	1579, 2462
409		Narst		Occur.	44	53	0	110	19	0	U		Sandstone-hosted U	2451
410	1709	Tushleg	Dep.		44	48	15	110	06	0	Zeolite		Volcanic-hosted zeolite	4414, 4443
411	3152	Orgon	Dep.		44	43	40	110	46	40	Zeolite		Volcanic-hosted zeolite	4414
412	2187	Oyut		Occur.	44	43	21	110	54	0	Cu	Ag	Granitoid related vein Cu	4414, 3861
413	2007	Bargiin ovoo		Occur.	44	43	10	110	48	41	Cu	Ag, Ni, Co, As	Granitoid related replacement Cu	4414, 3861
414	3170	Baruun orgon		Occur.	44	42	30	110	44	0	W	Mo	W skarn	4414
415	2189	Skarnovoe		Occur.	44	42	26	110	47	55	W, Mo	Bi, Co	W-Mo skarn	3861
416	3166	Khailaastyn am		Occur.	44	42	0	110	31	0	Zeolite		Volcanic-hosted zeolite	4414
417	636	Orgon	Dep.***		44	42	0	110	44	0			Epithermal vein/replacement fluorite	3715
418	2018	Omnot		Occur.	44	41	6	110	47	10	Cu	Ni, Co	Granitoid related replacement Cu	3861
419	3535	Khongor morit		Occur.	44	40	0	110	40	0	Zeolite		Volcanic-hosted zeolite	4414
420	518	Dorvoljin		Occur.	44	59	20	111	07	20	U		Sandstone-hosted U	2451
421		Khoh khad		Occur.	45	16	55	112	15	25	Cu	Ag	Granitoid related vein Cu	5020
422		Babhan khongor ovoo		Occur.	44	59	30	113	16	25	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	5020
423		Unnamed occurrence		Occur.	44	56	45	113	48	50	Fe		Sedimentary Fe	5020
424	4109	Babhan khongor ovoo		Occur.	44	51	0	113	15	0	W, Mo, Be	Bi	W-Mo-Be greisen	407
425	2196	Mogoit khudag		Occur.	44	35	0	108	01	45	Cu		Porphyry Cu	1774, 1906
426	2117	Elgen		Occur.	44	35	0	108	06	0	Mn		Sedimentary Mn	1774

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
427	2197	Buyant uul		Occur.	44	27	10	108	17	50	Cu	Mo	Porphyry Cu	1774, 1906
428		Ulaan tolgoi		Occur.	44	24	0	108	06	0	Cu	Ag	Porphyry Cu	1774, 1906
429		Mandah		Occur.	44	23	30	108	15	0	Cu		Porphyry Cu	1964, 1906
430		Manhan chuluu		Occur.	44	22	35	108	27	35	Cu		Porphyry Cu	3604, 4443
431	2200	Bayanmod khudag		Occur.	44	20	0	108	40	0	gypsum		Sedimentary gypsum	1430
432		Khairhan		Occur.	44	19	0	108	11	40	Cu		Porphyry Cu	1964, 3022
433	2805	Tsagaan owoo		Occur.	44	16	45	108	11	40	Cu		Porphyry Cu	1964, 3022
434		Nariin khudag	Dep.		44	14	30	108	02	30	Cu	Mo	Porphyry Cu	1964, 2591, 3022
435	844	Tsagaan ergiin khudag	Dep.		44	05	0	108	41	0	gypsum		Sedimentary gypsum	1430, 4669
436	932	Tumen khudag		Occur.	44	01	0	108	10	0	Au	Cu, Mn	Granitoid related vein Au	1587
437	1011	Tsagaan tsav	Dep.**		44	35	50	109	47	10	Zeolite		Volcanic-hosted zeolite	4219
438	2079	Zuun khoit		Occur.	44	35	20	109	28	25	Cu, Mo		Porphyry Cu-Mo	2118
439		Toviin		Occur.	44	35	05	109	28	15	Cu, Mo		Porphyry Cu-Mo	2118
440		Aplityn		Occur.	44	35	0	109	19	0			Porphyry Cu-Mo	3602
441		Uchastok "Shine"		Occur.	44	35	0	109	25	0	Cu	Mo	Porphyry Cu-Mo	2118
442	2215	Khuuchin		Occur.	44	35	0	109	28	5	Cu, Mo	Zn	Porphyry Cu-Mo	2118
443	2491	Oyut Ulaan owoo		Occur.	44	34	27	109	26	9	Cu, Mo		Porphyry Cu-Mo	2118
444	2336	Zuun omnot		Occur.	44	34	8	109	30	0	Cu, Mo		Porphyry Cu-Mo	2118
445	65	Unegt	Dep.***		44	19	0	109	19	0	gypsum		Sedimentary gypsum	4580, 4669, 4443
446	400	Tolgoi/513/		Occur.	44	15	0	109	36	0	U		Sandstone-hosted U	2451
447	399	Baruun		Occur.	44	14	0	109	51	0	U		Sandstone-hosted U	2451
448	398	Dulaan khar		Occur.	44	04	0	109	45	0	U		Sandstone-hosted U	2451
449	826	Aman us		Occur.	44	37	50	110	35	10	Zeolite		Volcanic-hosted zeolite	4414
450	3154	Aman usny khondii		Occur.	44	37	0	110	29	0	Zeolite		Volcanic-hosted zeolite	4414
451	668	Zuunbayan		Occur.	44	36	0	110	16	0	bentonite		Sedimentary bentonite	3220, 3591
452	869	Sogdoh			44	36	0	110	31	0	Zeolite		Volcanic-hosted zeolite	4414
453	3537	Uzuur khar			44	34	20	110	31	0	Zeolite		Volcanic-hosted zeolite	4414

Explanation: \*\*\*- Deposits in operation; \*\*- Deposits mined out, but there is small amount of reserves; \*- Deposits mined out; \*- Occurrences with small ancient openpits on surface.

## Mineral Deposits and Occurrences in the Sheet L- 49

(Fuel Resources, Gemstones, Silica Resources, Tehnical diamond, Continental Lake Evaporates,  
Mineral Pigments and Rocks for Construction Uses)

1:200 000 scale Sheet	№	Number in L-49	Passport number	Deposit and Occurrence Name	Depsite	Occur.	Location						Major Resources	Minor Resources	Mineral Resources Group	Information Sources (Open FileReport number inG IC)
							Latitude			Longitude						
							deg	min	sek	deg	min	sek				
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
I	1	454		Baidlagiin	Dep***		47	59	0	108	25	0	Sand and gravel		Rocks for Consstruction uses	4669.5033
	2	455	05419	Zuen baidlagiin kheseg		Occur.	47	58	0	108	35	0	Clays		Rocks for Consstruction uses	4688
	3	456	02201	Dund baidlag gol		Occur.	47	56	0	108	24	0	Limestone		Rocks for Consstruction uses	1710
	4	457	02202	Ulaan oendor		Occur.	47	56	0	108	40	0	Limestone		Rocks for Consstruction uses	1710
	5	458		Khuzaagiin	Dep***		47	45	13	108	17	45	Sand		Rocks for Consstruction uses	4669.5033
	6	459	2031	Baga nuur	Dep***		47	44	0	108	23	0	Brown Coal		Fuel Resources	2405.5033
	7	460		Shoroot	Dep***		47	44	30	108	30	0	Sand		Rocks for Consstruction uses	941.5033
	8	461	619	Nuerent	Dep***		47	43	0	108	26	0	Crushed Stones		Rocks for Consstruction uses	2405
	9	462	00989	Zuen baidlag		Occur.	47	41	15	108	17	0	Brown Coal		Fuel Resources	1710
	10	463	04154	Baga nuur	Dep		47	40	10	108	16	25	Clays		Rocks for Consstruction uses	4688
	11	464	05420	Sheree uulyн kheseg		Occur.	47	36	0	108	14	20	Clays		Rocks for Consstruction uses	4688
	12	465		Unnamed №36		Occur.	47	35	0	108	17	0	Crushed Stones		Rocks for Consstruction uses	1710
	13	466	808	Ayagany am	Dep		47	37	0	108	26	0	Sand and gravel		Rocks for Consstruction uses	1182
	14	467	02204	Unnamed №41		Occur.	47	33	0	108	20	0	Limestone		Rocks for Consstruction uses	1710

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
II	15	468		Modot		Occur.	47	50	0	109	05	0	Industrial Diamond		Industrial Diamond	4710.4761
	16	469	02040	Ban tsagaan nuur	Dep		47	52	0	109	38	0	Sodium Sulfate Resources		Continental Lake Evaporates	1038.1876
	17	470		Unnamed / Sudal№5/	Dep		47	49	20	109	12	25	Quartz Veins (Speciality Materials)		Silica Resources	3217.1984
	18	471	47-66	Moeron	Dep		47	45	0	109	40	0	Brown Coal		Fuel Resources	3931.173
	19	472		Tsenher gol		Occur.	47	33		109	12	10	Sand and gravel		Rocks for Consstruction uses	1758.4443
	20	473		Unnamed №2		Occur.	47	33	0	109	46	35	Hard coal		Fuel Resources	2995.4443
	21	474	02908	Ayagan khonhor nuur		Occur.	47	28	0	109	40	0	Sodium Sulfate Resources		Continental Lake Evaporates	1038
III	22	475	01153	Unnamed		Occur.	47	55	0	110	08	0	Hard coal		Fuel Resources	3169
	23	476		Unnamed		Occur.	47	54	45	110	08	0	Oil Shale		Fuel Resources	2169.4443
	24	477	02910	Shorbog khonhor nuur	Dep		47	40	0	110	25	0	Sodium Sulfate Resources		Continental Lake Evaporates	3725
	25	478		Nuerst uul		Occur.	47	37	0	110	08	0	Brown Coal		Fuel Resources	048, 4443
	26	479	02209	Moeron sum№60		Occur.	47	24	0	110	21	0	Quartz Veins (Speciality Materials)		Silica Resources	1519
	27	480	910	Dulaany enger	Dep***		47	26	31	110	40	10	Sand		Rocks for Consstruction uses	4541
	28	481		Tsaidam nuur	Dep		47	23	15	110	01	0	Clays		Rocks for Consstruction uses	1555, 4443
	29	482		Tsaidam nuur/Chandman	Dep***		47	23	15	110	01	0	Brown Coal		Fuel Resources	3743,3221 1778
	30	483	02063	Unnamed №52		Occur.	47	23	0	110	16	0	Iron Oxide Pigments		Mineral Pigments	426
	31	484		Ovoot uul	Dep		47	22	30	110	33	50	Crushed Stones		Rocks for Consstruction uses	1637,2307 4443
	32	485		Oendor khaan	Dep***		47	10	20	110	39	40	Sand		Rocks for Consstruction uses	4229

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
III	33	486	02210	Unnamed		Occur.	47	27	0	110	05	0	Iron Oxide Pigments		Mineral Pigments	1407.4443
IV	34	487	02911	Unnamed №02		Occur.	47	59	0	111	29	0	Jasper		Gemstones	2846
	35	488	02913	Unnamed №01		Occur.	47	52	0	111	37	0	Jasper		Gemstones	441
	36	489	02912	Ovoo uul		Occur.	47	52	0	111	53	0	Oil Shale		Fuel Resources	441
	37	490	02916	Toemstoi-1		Occur.	47	46	0	111	39	0	Limestone		Rocks for Consstruction uses	441
	38	491	02918	Toemstei-2		Occur.	47	45	0	111	37	0	Limestone		Rocks for Consstruction uses	441
	39	492		Ovoo sum		Occur.	47	46	45	111	55	0	Oil Shale		Fuel Resources	3151.4752
	40	493	01101	Berhiin knonhor		Occur.	47	43	0	111	09	0	Brown Coal		Fuel Resources	2796
	41	494	02920	Unnamed №26		Occur.	47	43	0	111	42	0	Crushed Stones		Rocks for Consstruction uses	4425
	42	495	02924	Unnamed №107		Occur.	47	41	0	111	33	0	Limestone		Rocks for Consstruction uses	441
	43	496	02925	Unnamed №108		Occur.	47	38	0	111	35	0	Limestone		Rocks for Consstruction uses	441
	44	497	02929	Unnamed №4		Occur.	47	33	0	111	24	0	Sand		Rocks for Consstruction uses	4425
	45	498	02935	Navtgar khaalga		Occur.	47	32	0	111	11	0	Limestone		Rocks for Consstruction uses	441
46	499	02937	Tsavyn oendor		Occur.	47	32	0	111	27	0	Limestone		Rocks for Consstruction uses	441	
V	47	500	02092	Suenber-1		Occur.	47	59	0	112	15	0	Sodium Sulfate Resources		Continental Lake Evaporates	3725
	48	501	3725	Suenber-3		Occur.	47	58	30	112	20	30	Sodium Sulfate Resources		Continental Lake Evaporates	3725
	49	502	00810	Suenber-2		Occur.	47	58	0	112	18	0	Sodium Sulfate Resources		Continental Lake Evaporates	3725
	50	503		Guermen nuur		Occur.	47	50	10	112	10	30	Brown Coal		Fuel Resources	4144
	51	504	04061	Buergeg uhaa		Occur.	47	38	0	112	18	0	Brown Coal		Fuel Resources	5016



0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
<b>V</b>	52	<b>505</b>		Unnamed		Occur.	47	39	0	112	05	0	Brown Coal		Fuel Resources	5016
	53	<b>506</b>		Unnamed		Occur.	47	24	0	112	16	0	Brown Coal		Fuel Resources	0593, 4443
<b>VI</b>	54	<b>507</b>		Unnamed №308		Occur.	47	57	0	113	00	0	Oil Shale		Fuel Resources	332.4443
<b>VII</b>	55	<b>508</b>		Unnamed		Occur.	47	19	58	108	29	20	Sand and gravel		Rocks for Consstrucation uses	4825
	56	<b>509</b>		Unnamed		Occur.	47	11	30	108	27	40	Sand and gravel		Rocks for Consstrucation uses	4825
	57	<b>510</b>		Unnamed		Occur.	47	8	48	108	03	45	Limestone		Rocks for Consstrucation uses	4825
	58	<b>511</b>	01134	Shanagan		Occur.	47	3	0	108	20	0	Hard coal		Fuel Resources	3931.4443
	59	<b>512</b>		Unnamed		Occur.	47	3	30	108	05	10	Chalcedony		Gemstones	4825
	60	<b>513</b>		Unnamed		Occur.	47	2	20	108	22	30	Clays		Rocks for Consstrucation uses	4825
	61	<b>514</b>		Unnamed		Occur.	47	0	40	108	01	30	Chalcedony		Gemstones	4825
	62	<b>515</b>	<b>2033</b>	Bayan jargargalan	Dep		47	0	0	108	10	0	Brown Coal	Oil shale	Fuel Resources	3931.4443
	63	<b>516</b>	04551	Bayan jargargalan		Occur.	47	2	30	108	17	30	Oil Shale		Fuel Resources	1694
	64	<b>517</b>		Unnamed		Occur.	47	1	10	108	16	0	Brown Coal		Fuel Resources	4825
	65	<b>518</b>		Unnamed		Occur.	47	2	5	108	22	7	Bitumen		Fuel Resources	4825
	66	<b>519</b>	01143	Khuemultei		Occur.	47	2	0	108	51	0	Oil Or Petroleum		Fuel Resources	1267.1274
	67	<b>520</b>	05618	Modongyn khudag		Occur.	46	58	0	108	14	15	Sand		Rocks for Consstrucation uses	4687
	68	<b>521</b>	<b>099</b>	Bayan Erht	Dep***	Occur.	46	57	50	108	42	0	Bitumen	Oil shale	Fuel Resources	3931
	69	<b>522</b>	01145	Unnamed		Occur.	46	58	0	108	48	0	Oil Or Petroleum		Fuel Resources	1274.3201
70	<b>523</b>	05619	Uhaagiin doerolj		Occur.	46	57	0	108	43	0	Sand		Rocks for Consstrucation uses	4687	

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
VII	71	524		Ar bulag		Occur.	46	56	0	108	48	0	Brown Coal		Fuel Resources	1842.4443
	72	525		Toegrog nuur	Dep***		46	55	0	108	00	0	Brown Coal		Fuel Resources	3931.3743
	73	526		Toegrog		Occur.	46	55	0	108	06	0	Sodium Sulfate Resources		Continental Lake Evaporates	3743
	74	527	1088	Serten suej	Dep		46	56	0	108	11	0	Clays		Rocks for Consstruction uses	4692
	75	528	2035	Khuemultei	Dep		46	54	0	108	37	0	Brown Coal	Oil shale	Fuel Resources	3931.4443
	76	529	01107	Unnamed		Occur.	46	53	0	108	03	0	Brown Coal		Fuel Resources	593.4443
	77	530	01784	Nyalga sum		Occur.	46	48	38	108	20	0	Brown Coal		Fuel Resources	593.4443
	78	531	05582	Nyalga		Occur.	46	47	0	108	30	0	Sand		Rocks for Consstruction uses	3495
	79	532	01109	Jargalant nuur		Occur.	46	46	0	108	29	0	Brown Coal		Fuel Resources	1877
	80	533	01088 946	Zoerlog №16	Dep		46	39	0	108	03	0	Sand		Rocks for Consstruction uses	1680
VIII	81	534	01110	Tugalgain nuruu		Occur.	47	9	0	109	52	0	Hard coal		Fuel Resources	48
	82	535	02099	Shorvog khonhor nuur	Dep		46	53	0	109	20	0	Sodium Sulfate Resources		Continental Lake Evaporates	1038.1701
	83	536		Boen tsagaan nuur	Dep		46	52	0	109	38	25	Sodium Sulfate Resources		Continental Lake Evaporates	3725.1876
	84	537		Unnamed		Occur.	46	49	0	109	12	30	Clays		Rocks for Consstruction uses	1701
	85	538	01111	Aman khujir		Occur.	46	51	5	109	18	55	Brown Coal		Fuel Resources	1701
	86	539		Unnamed		Occur.	46	48	0	109	04	0	Limestone		Rocks for Consstruction uses	1701
	87	540		Unnamed		Occur.	46	45	0	109	08	30	Clays		Rocks for Consstruction uses	1701
	88	541		Unnamed		Occur.	46	45	0	109	50	0	Perlite		Rocks for Consstruction uses	1701
	89	542		Unnamed		Occur.	46	43	30	109	48	0	Perlite		Rocks for Consstruction uses	1701

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
VIII	90	543		Unnamed		Occur.	46	43	0	109	48	30	Perlite		Rocks for Consstruction uses	1701
	91	544		Unnamed		Occur.	46	41	0	109	34	0	Perlite		Rocks for Consstruction uses	1701
	92	545	01157	Shorbog nuur		Occur.	46	42	0	109	58	0	Oil Shale	Bitumen	Fuel Resources	1701, 4443
IX	93	546	871	Oendor khaan	Der***		47	18	58	110	34	0	Clays		Rocks for Consstruction uses	1637.4229
	94	547	783	Moeron gol	Dep		47	17	10	110	24	10	Limestone		Rocks for Consstruction uses	1591.4443
	95	548	02103	Bues owoo		Occur.	47	9	0	110	15	0	Brown Coal		Fuel Resources	2085.4443
	96	549	654	Sonduult 1,2	Dep		47	1	35	110	55	30	Clays		Rocks for Consstruction uses	4229, 1984
	97	550		Zuen shar ereg		Occur.	46	58	0	110	53	0	Brown Coal		Fuel Resources	088, 4443
	98	551		Tsaidam nuur	Der**		46	56	0	110	35	0	Sodium Sulfate Resources	Halite	Continental Lake Evaporates	3725
X	99	552	05621	Unagyn uhaa		Occur.	47	16	0	111	20	20	Marl		Rocks for Consstruction uses	4674
	100	553	02104	Unnamed		Occur.	47	15	0	111	17	0	Marl		Rocks for Consstruction uses	4229.4443
	101	554	05622	Unnamed №31		Occur.	47	13	45	111	14	50	Perlite		Rocks for Consstruction uses	4674
	102	555	01112	Daagan shil		Occur.	47	6	30	111	25	30	Brown Coal		Fuel Resources	3439.4443
	103	556	02108	Unnamed		Occur.	47	5	45	111	14	28	Quartz Veins ( Speciality Materials )		Silica Resources	4229.4443
	104	557	02211	Bat norov		Occur.	47	5	0	111	29	0	Chalcedony		Gemstones	4427
	105	558	02218	Badarah		Occur.	46	58	0	111	42	0	Agate		Gemstones	1863
	106	559		Unnamed		Occur.	46	52	0	111	59	0	Chalcedony	Agate	Gemstones	1946
	107	560		Unnamed		Occur.	46	45	0	111	15	0	Bitumen		Fuel Resources	1327

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
XI	108	561		Unnamed		Occur.	47	13	30	112	09	0	Perlite		Rocks for Consstruction uses	1946
	109	562		Unnamed		Occur.	47	5	30	112	08	0	Perlite		Rocks for Consstruction uses	1946
	110	563	01113	Nuurst khudag		Occur.	46	55	0	112	37	0	Brown Coal		Fuel Resources	1327
	111	564	01136	Mandalyn khiid		Occur.	46	54	0	112	55	0	Brown Coal		Fuel Resources	332.4443
	112	565		Tal bulag	Dep***		46	54	30	112	59	0	Brown Coal		Fuel Resources	3463
	113	566		Nuerstiin khudag		Occur.	46	53	0	112	57	0	Brown Coal		Fuel Resources	1327.4443
	114	567	02219	Tsahiuurtyn ovoo		Occur.	46	43	0	112	51	0	Chalcedony		Gemstones	1863
XII	115	568		Salhit	Dep**		46	48	25	113	32	20	Limestone		Rocks for Consstruction uses	1638.3382
	116	569	02118	Shabar nuur		Occur.	46	46	0	113	59	0	Halite	Sodium Sulfate Resources	Continental Lake Evaporates	1876
	117	570	822	Baruun urt	Dep**		46	42	30	113	15	0	Crushed Stones		Rocks for Consstruction uses	1638.1984
	118	571		Tsagaan chuluutyn khudag	Dep		46	41	50	113	09	45	Limestone		Rocks for Consstruction uses	1638
	119	572		Ulaan tolgoi	Dep***		46	41	0	113	20	30	Crushed Stones		Rocks for Consstruction uses	3382
	120	573		Adgyn shand	Dep		46	41	5	113	13	50	Clays		Rocks for Consstruction uses	1638
	121	574	03385	Enh khamar		Occur.	46	41	0	113	08	0	Sand		Rocks for Consstruction uses	3382
XIII	122	575	02119	Choir		Occur.	46	32	0	108	01	0	Volcanic Cinders		Rocks for Consstruction uses	3714
	123	576	05616	Lin ovoo		Occur.	46	31	45	108	20	0	Sand		Rocks for Consstruction uses	4687
	124	577		Nyalga		Occur.	46	30	45	108	06	52	Sand		Rocks for Consstruction uses	3535.4443
	125	578	05620	Malah		Occur.	46	30	0	108	35	0	Sand		Rocks for Consstruction uses	4687

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
XIII	126	579	05424	Zuen oebor hudag		Occur.	46	29	0	108	49	0	Clays		Rocks for Consstruction uses	4696
	127	580	761	Shivee ovoo	Dep		46	13	45	108	23	0	Clays		Rocks for Consstruction uses	1680.4443
	128	581		Uulzbaryn gol		Occur.	46	13	0	108	35	0	Sand		Rocks for Consstruction uses	4669
	129	582	02120	Choir-1		Occur.	46	11	0	108	15	0	Clays		Rocks for Consstruction uses	4110
	130	583	02222	Unnamed		Occur.	46	12	0	108	58	0	Chalcedony	Agate	Gemstones	612
	131	584	2033	Shivee ovoo	Dep***		46	10	10	108	27	34	Brown Coal		Fuel Resources	950,1983, 3953
	132	585	02121	Choir-2		Occur.	46	10	0	108	30	0	Clays		Rocks for Consstruction uses	4110
	133	586	01114	Nogoon toirom		Occur.	46	6	0	108	38	0	Brown Coal	Uran,	Fuel Resources	950
	134	587		Tsagaan khudag		Occur.	46	7	0	108	53	0	Sand		Rocks for Consstruction uses	4669
	135	588		Zuen dalai		Occur.	46	6	30	108	57	40	Brown Coal		Fuel Resources	4443
	136	589	03026	Sain khoebor		Occur.	46	1	0	108	12	0	Clays		Rocks for Consstruction uses	1508
XIV	137	590		Unnamed		Occur.	46	37	0	109	36	0	Marl		Rocks for Consstruction uses	1701
	138	591		Unnamed		Occur.	46	34	30	109	46	0	Clays		Rocks for Consstruction uses	1701
	139	592		Unnamed № 2		Occur.	46	33	30	109	48	30	Sand		Rocks for Consstruction uses	1701
	140	593		Unnamed №29		Occur.	46	28	45	109	11	40	Quartz Veins ( Speciality Materials )		Silica Resources	1701
	141	594		Unnamed №32		Occur.	46	28	0	109	10	15	Quartz Veins ( Speciality Materials )		Silica Resources	1701
	142	595		Unnamed №41		Occur.	46	26	40	109	13	0	Quartz Veins ( Speciality Materials )		Silica Resources	1701
	143	596	02223	Unnamed №39		Occur.	46	23	0	109	22	0	Agate		Gemstones	4102

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
XIV	144	597	02224	Unnamed №57		Occur.	46	18	0	109	20	0	Chalcedony		Gemstones	426
	145	598		Chuluut bulag		Occur.	46	16	0	109	03	0	Chalcedony	Agate	Gemstones	4102
	146	599		Unegtiin zalaa		Occur.	46	16	0	109	45	0	Agate		Gemstones	3455
	147	600	05178	Choir		Occur.	46	13	0	109	07	0	Clays		Rocks for Consstruction uses	1602
	148	601	2017	Alagtogoo	Dep***		46	10	30	109	02	20	Brown Coal		Fuel Resources	5033
	149	602		Ih jargalan	Dep		46	10	25	109	11	15	Agate	Chalcedony	Gemstones	3004, 4669
	150	603		Dalantueruu	Dep		46	10	0	109	11	0	Agate		Gemstones	3004
	151	604	866	Unegtiin gashuun	Dep		46	8	0	109	39	0	Chalcedony		Gemstones	3455.4443
	152	605		Ulaan oendor	Dep		46	7	30	109	18	30	Crushed Stones		Rocks for Consstruction uses	2753.3503
	153	606	02232	Uenegt		Occur.	46	7	0	109	20	0	Agate		Gemstones	2039
	154	607		Ulaan khudag		Occur.	46	0	0	109	03	0	Crushed Stones		Rocks for Consstruction uses	4669
	155	608	00482	Khar oendor		Occur.	46	0	0	109	10	0	Agate		Gemstones	3004
XV	156	609	01429	Tsaidam	Dep		46	30	0	110	13	0	Clays		Rocks for Consstruction uses	2472
	157	610	02126	Uenee uul		Occur.	46	29	0	110	24	0	Perlite		Rocks for Consstruction uses	4444
	158	611		Tsahir khudag		Occur.	46	28	0	110	02	0	Clays		Rocks for Consstruction uses	4669
	159	612	02129	Gal shar		Occur.	46	27	0	110	39	0	Volcanic Cinders		Rocks for Consstruction uses	3714
	160	613	665	Zuen tsagaan del		Occur.	46	27	0	110	11	0	Crushed Stones		Rocks for Consstruction uses	2517.2607
	161	614		Khashaat khudag	Dep		46	26	0	110	14	0	Brown Coal		Fuel Resources	2472.2861
	162	615	01637	Tsaharyn khudag		Occur.	46	26	12	110	08	0	Brown Coal		Fuel Resources	2861

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
XV	163	<b>616</b>	01677	Unnamed		Occur.	46	25	0	110	29	40	Chalcedony	Agate	Gemstones	2472, 4443
	164	<b>617</b>	<b>2034</b>	Olongyn uhaa	Dep***		46	20	0	110	26	0	Brown Coal		Fuel Resources	1730.2861
	165	<b>618</b>	02235	Tsagaan elgeniin khudag		Occur.	46	19	0	110	26	0	Chalcedony		Gemstones	4444
	166	<b>619</b>	01721	Tsagaan elgen	Dep**		46	19	0	110	23	0	Agate	Chalcedony	Gemstones	4236
	167	<b>620</b>		Khurz del	Dep		46	18	9	110	28	26	Gaize	Chalcedony	Gemstones	4525
	168	<b>621</b>	02023	Shiruen devseg	Dep**		46	15	0	110	02	0	Agate	Chalcedony	Gemstones	3455.4236
	169	<b>622</b>	02945	Orzog ovoo		Occur.	46	5	40	110	54	0	Perlite		Rocks for Consstruction uses	3748
	170	<b>623</b>		Ih khet		Occur.	46	5	0	110	12	0	Agate		Gemstones	1863
	171	<b>624</b>		Khurts oendor		Occur.	46	4	0	110	30	0	Chalcedony		Gemstones	4427
XVI	172	<b>625</b>	01116	Nuerstiin gol		Occur.	46	28	0	111	34	0	Brown Coal		Fuel Resources	426
	173	<b>626</b>	03015	Khar nuur		Occur.	46	25	0	111	40	0	Brown Coal		Fuel Resources	2079
	174	<b>627</b>	03019	Uelziit	Dep**		46	24	0	111	36	0	Brown Coal	Uran	Fuel Resources	650.2396
	175	<b>628</b>	02238	Bumbat	Dep		46	24	0	111	35	0	Agate		Gemstones	1863.4443
	176	<b>629</b>	03050	Unnamed		Occur.	46	23	20	111	58	0	Limestone		Rocks for Consstruction uses	1643
	177	<b>630</b>	01118	Khalzan ovoo		Occur.	46	15	0	111	24	0	Brown Coal	Uran	Fuel Resources	1478
	178	<b>631</b>	03052	Unnamed		Occur.	46	14	36	111	57	10	Limestone		Rocks for Consstruction uses	1643
	179	<b>632</b>	03053	Unnamed		Occur.	46	11	30	111	49	0	Clays		Rocks for Consstruction uses	1643
	180	<b>633</b>	03057	Unnamed		Occur.	46	9	45	111	34	46	Perlite		Rocks for Consstruction uses	1721
	181	<b>634</b>	03055	Unnamed		Occur.	46	9	30	111	50	30	Perlite		Rocks for Consstruction uses	1721

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
XVI	182	635	03060	Unnamed		Occur.	46	7	20	111	42	45	Perlite		Rocks for Consstruction uses	1721
	183	636	03054	Unnamed		Occur.	46	4	30	111	45	20	Limestone		Rocks for Consstruction uses	1643
	184	637	02239	Delgereh		Occur.	46	2	0	111	15	0	Chalcedony		Gemstones	1863
	185	638	03047	Tsahiurt		Occur.	46	1	0	111	12	30	Agate		Gemstones	1863
XVII	186	639	01120	Suhbaatar		Occur.	46	30	0	112	36	0	Brown Coal		Fuel Resources	593
	187	640	02141	Toehom	Dep***		46	27	5	112	58	55	Sodium Sulfate Resources		Continental Lake Evaporates	1876
	188	641	1048	Shueden	Dep**		46	21	40	112	48	45	Fluorite and Sodium Sulfate Resources		Continental Lake Evaporates	1876
XVIII	189	642		Baruun urt	Dep***		46	38	0	113	16	0	Sand		Rocks for Consstruction uses	1638.4443
	190	643	104	Shine tsagaan us	Dep		46	35	15	113	22	55	Sodium Sulfate Resources		Continental Lake Evaporates	1876
	191	644	819	Shine us-2	Dep		46	31	0	113	25	0	Sand		Rocks for Consstruction uses	3640
	192	645		Unnamed		Occur.	46	18	30	113	05	40	Dolomite		Rocks for Consstruction uses	3923
	193	646		Unnamed		Occur.	46	17	40	113	10	0	Dolomite		Rocks for Consstruction uses	3923
	194	647	02147	Skarny		Occur.	46	16	0	113	08	0	Decorative stones		Rocks for Consstruction uses	3923
XIX	195	648	660	Olon ovoot	Dep		45	57	40	108	56	0	Crushed Stones		Rocks for Consstruction uses	4046
	196	649		Ulaan oendor		Occur.	45	57	0	108	11	0	Brown Coal		Fuel Resources	1602,1766,1610
	197	650	05307	Tsagaan airag		Occur.	45	55	0	108	05	0	Chalcedony		Gemstones	4621
	198	651	05306	Bayan khushuu		Occur.	45	53	0	108	03	0	Chalcedony		Gemstones	4621
	199	652	661	Biluet	Dep		45	50	20	108	55	30	Limestone		Rocks for Consstruction uses	4870
	200	653	01125	Ereen sum-1		Occur.	45	51	0	108	29	0	Brown Coal	Uran	Fuel Resources	950.4443



0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
XIX	201	654	01124	Ereen sum-2		Occur.	45	51	0	108	31	0	Brown Coal	Uran	Fuel Resources	822.4443	
	202	655	00125	Khongor-2		Occur.	45	49	0	108	59	0	Decorative stones		Rocks for Consstruction uses	3490	
	203	656		Ulaan nuur		Occur.	45	46	0	108	10	30	Brown Coal		Fuel Resources	1602,1766,1610	
	204	657	03601	Tsagaan oendor		Occur.	45	46	0	108	00	0	Sand		Rocks for Consstruction uses	4002	
	205	658	02151	Khujiryng togoo		Occur.	45	45	0	108	30	0	Sodium Sulfate Resources		Continental Lake Evaporates	1876	
	206	659	05285	Bayantsogt №78		Occur.	45	42	0	108	05	0	Jasper		Gemstones	4002	
	207	660	00472	Tsahiryng sudal №9		Occur.	45	42	0	108	35	0	Quartz Veins ( Speciality Materials )		Silica Resources	3217	
	208	661	02153	Tsagaan durbuljin		Occur.	45	40	0	108	23	0	Limestone		Rocks for Consstruction uses	3716	
	209	662	908	Ulaan nuur-1	Dep			45	36	10	108	17	17	Sand		Rocks for Consstruction uses	1877.1951
	210	663	2069	Ih ulaan nuur	Dep			45	36	10	108	12	55	Brown Coal		Fuel Resources	1860.195
	211	665		Ulaan nuur-2	Dep			45	35	53	108	08	42	Sand		Rocks for Consstruction uses	1877.1951
	212	664	760	Ulaan nuur-3	Dep			45	35	0	108	09	0	Sand and Gravel		Rocks for Consstruction uses	1951, 1869
	213	666	2076	Oebdog khudag	Dep			45	31	55	108	09	50	Brown Coal		Fuel Resources	1829.4443
	214	667	107	Oelziitiin baruun khez	Dep			45	34	13	108	18	54	Limestone		Rocks for Consstruction uses	1951
	215	668	667	Sudal №8	Dep			45	32	0	108	55	0	Quartz Veins ( Speciality Materials )		Silica Resources	3217.3216
	216	669	887	Engeriin ulaan nuur	Dep			45	31	0	108	05	57	Crushed Stones		Rocks for Consstruction uses	1877.1951
	217	670		Dalan jargalan-1		Occur.		45	26	0	108	54	0	Agate	Gaize	Gemstones	1863
	218	671	02243	Tsagaan oendor		Occur.		45	23	0	108	05	0	Ophicalcite		Gemstones	3710.4669

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
XIX	219	672		Khoeh oboot		Occur.	45	22	0	108	20	0	Chalcedony		Gemstones	3457
	220	673		Toegrogiin ulaan nuur		Occur.	45	19	0	108	41	0	Chalcedony		Gemstones	1774.4443
XX	221	674		Dalan jargalan-2		Occur.	45	54	0	109	03	40	Agate		Gemstones	1863
	222	675		Durbuljin		Occur.	45	34	40	109	15	12	Perlite		Rocks for Consstruction uses	1691
	223	676		Unnamed		Occur.	45	32	30	109	07	15	Brown Coal		Fuel Resources	4443
XXI	224	677		Ereelj tolgoi	Dep		45	59	0	110	11	10	Clays		Rocks for Consstruction uses	4539
	225	678		Unnamed (16)		Occur.	45	55	0	110	32	0	Opalized Wood		Gemstones	1940
	226	679		Erdene tsogtyn gobi		Occur.	45	54	36	110	33	20	Brown Coal		Fuel Resources	3748
	227	680	1016	Erdene tsogtyn oboo	Dep		45	54	5	110	32	5	Iron Oxide Pigments		Mineral Pigments	3748.4443
	228	681		Erdene tsogtyn oboo	Dep		45	52	0	110	33	0	Opalized Wood		Gemstones	1863.2003
	229	682		Khamar khoebor	Dep		45	52	0	110	23	0	Chalcedony		Gemstones	1863
	230	683		Oendoriin buuz	Dep		45	51	0	110	40	20	Rhodonity		Gemstones	2039
	231	684		Ih chuluun		Occur.	45	50	7	110	40	18	Limestone		Rocks for Consstruction uses	4726
	232	685		Baga bulag		Occur.	45	46	0	110	40	0	Hard coal		Fuel Resources	1400
	233	686		Moergozog		Occur.	45	36	50	110	49	20	Limestone		Rocks for Consstruction uses	1631.4726
	234	687		Unnamed		Occur.	45	32	30	110	38	0	Limestone		Rocks for Consstruction uses	1631.4443
XXII	235	688		Dalan khushuu		Occur.	45	51	5	111	44	50	Limestone		Rocks for Consstruction uses	1734.4443
	236	689		Unnamed-4		Occur.	45	49	0	111	41	0	Limestone		Rocks for Consstruction uses	407.4443
	237	690		Shuet nuur		Occur.	45	48	15	111	20	5	Sodium Sulfate Resources		Continental Lake Evaporates	4443

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
XXII	238	691		Khonor zant		Occur.	45	48	0	111	46	30	Limestone		Rocks for Consstruction uses	1734
	239	692		Unnamed		Occur.	45	45	55	111	48	40	Clays		Rocks for Consstruction uses	4443
	240	693		Tsagaan chuluut		Occur.	45	43	0	111	38	0	Limestone		Rocks for Consstruction uses	407
	241	694		Baruun zeerd		Occur.	45	41	0	111	51	0	Limestone		Rocks for Consstruction uses	407.4443
	242	695		Tsagaan owoo		Occur.	45	38	0	111	45	0	Limestone		Rocks for Consstruction uses	407.4443
	243	696		Gon owoo		Occur.	45	36	0	111	07	0	Limestone		Rocks for Consstruction uses	407.4443
	244	697		Buht		Occur.	45	35	30	111	15	40	Limestone		Rocks for Consstruction uses	1631
	245	698		Khamaryn uul		Occur.	45	35	0	111	27	0	Limestone		Rocks for Consstruction uses	407.4443
	246	699		Tugunt		Occur.	45	32	0	111	11	0	Limestone		Rocks for Consstruction uses	407.4443
	247	700		Tsagaan owoo		Occur.	45	31	0	111	04	0	Limestone		Rocks for Consstruction uses	407.4443
	248	701		Unnamed		Occur.	45	30	15	111	58	20	Decorative stones		Rocks for Consstruction uses	4443
XXIII	249	702		Khongor		Occur.	45	51	0	112	40	50	Limestone		Rocks for Consstruction uses	5020
	250	703		Khoet		Occur.	45	47	5	112	01	15	Brown Coal		Fuel Resources	5020
	251	704		Unnamed		Occur.	45	47	0	112	13	0	Brown Coal		Fuel Resources	407.4443
	252	705		Baishint		Occur.	45	42	0	112	42	30	Peat		Fuel Resources	407.502
	253	706		Unnamed		Occur.	45	41	5	112	32	50	Lime		Rocks for Consstruction uses	5020
	254	707		Ongon		Occur.	45	40	0	112	56	20	Sand		Rocks for Consstruction uses	5020
	255	708		Boegtor		Occur.	45	39	15	112	11	25	Limestone		Rocks for Consstruction uses	5020
	256	709		Khur toiom		Occur.	45	33	0	112	58	30	Brown Coal		Fuel Resources	5020

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
<b>XXIII</b>	257	<b>710</b>		Delgereh		Occur.	45	29	30	112	12	25	Clays		Rocks for Consstruction uses	5020
	258	<b>711</b>		Suemt nuur		Occur.	45	57	20	113	55	20	Clays		Rocks for Consstruction uses	5020
	259	<b>712</b>		Uulyn shue		Occur.	45	49	50	113	47	25	Sodium Sulfate Resources		Continental Lake Evaporates	5020
	260	<b>713</b>		Shuet khoebor nuur		Occur.	45	46	38	113	06	0	Clays		Rocks for Consstruction uses	5020
	261	<b>714</b>		Baruun suel		Occur.	45	45	42	113	06	30	Clays		Rocks for Consstruction uses	5020
	262	<b>715</b>	<b>664</b>	Shuet khoebor		Occur.	45	45	10	113	05	12	Halite and Sodium Sulfate Resources		Continental Lake Evaporates	5020
<b>XXIV</b>	263	<b>716</b>		Baavhain nuur		Occur.	45	44	35	113	17	25	Oil shale		Fuel Resources	5020
	264	<b>717</b>		Baga toirom		Occur.	45	40	30	113	03	30	Soda Ash		Continental Lake Evaporates	4443
	265	<b>718</b>		Shar burd		Occur.	45	39	50	113	04	55	Clays		Rocks for Consstruction uses	5020
	266	<b>719</b>		Tsoenrog		Occur.	45	38	50	113	05	10	Halite and Sodium Sulfate Resources		Continental Lake Evaporates	5020
	267	<b>720</b>		Olon khudag	Dep		45	37	25	113	05	20	Sodium Sulfate Resources		Continental Lake Evaporates	5020
	268	<b>721</b>		Zuen buesluur		Occur.	45	30	55	113	30	2	Pyrope		Gemstones	5020
	269	<b>722</b>		Zuen bulan		Occur.	44	56	15	108	17	45	Sand		Rocks for Consstruction uses	4337
	270	<b>723</b>		Bayan uul		Occur.	44	54	0	108	55	0	Chalcedony		Gemstones	1774.4443
<b>XXV</b>	271	<b>724</b>		Bayan uul	Dep		44	52	0	108	53	0	Quartz Veins ( Speciality Materials )		Silica Resources	3113
	272	<b>725</b>		Zalaa tsagaan		Occur.	44	51	0	108	54	0	Quartz Veins ( Speciality Materials )		Silica Resources	3113
	273	<b>726</b>		Jirem khudag		Occur.	44	44	0	108	14	0	Oil shale		Fuel Resources	1774.4443
	274	<b>727</b>		Tsagaan khamar khudag		Occur.	44	42	30	108	18	0	Chalcedony		Gemstones	1774.4443

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
<b>XXV</b>	275	<b>728</b>		Khabirga khudag		Occur.	44	41	30	108	21	30	Chalcedony		Gemstones	1906.4443
<b>XXVI</b>	276	<b>729</b>		Gun shand		Occur.	45	7	0	109	17	15	Brown Coal		Fuel Resources	4443
	277	<b>730</b>	<b>818</b>	Sain shand-1	Dep		44	53	0	109	53	24	Sand		Rocks for Consstruction uses	1603.4443
	278	<b>731</b>		Unnamed		Occur.	44	54	0	110	00	0	Hard coal		Fuel Resources	79.4443
	279	<b>732</b>		Khamar khoebor		Occur.	44	47	30	109	53	0	Hard coal		Fuel Resources	79.4443
	280	<b>733</b>		Sharilyn khiid		Occur.	44	41	50	109	51	0	Crushed Stones		Rocks for Consstruction uses	1182.4443
	281	<b>734</b>		Khamar khoeboriin khudag		Occur.	44	41	51	109	59	32	Brown Coal		Fuel Resources	4443
	282	<b>735</b>		Tsagaan tolgoiin bulag		Occur.	44	39	35	109	29	35	Hard coal		Fuel Resources	5384
<b>XXVII</b>	283	<b>736</b>		Tsagaan nuur		Occur.	45	14	30	110	11	30	Sodium Sulfate Resources		Continental Lake Evaporates	4443
	284	<b>737</b>		Ulaan khushuu		Occur.	44	56	40	110	28	4	Brown Coal		Fuel Resources	4443
	285	<b>739</b>		Unnamed		Occur.	44	53	45	110	10	30	Iron Oxide Pigments		Mineral Pigments	4443
	286	<b>740</b>		Unnamed		Occur.	44	52	0	110	37	0	Hard coal		Fuel Resources	79.4443
	287	<b>741</b>	<b>0655</b>	Tueshleg	Dep***		44	51	45	110	03	30	Crushed Stones		Rocks for Consstruction uses	1683.4443
	288	<b>742</b>	<b>766</b>	Abdarant	Dep***		44	49	0	110	06	45	Clays		Rocks for Consstruction uses	1683.4443
	289	<b>743</b>		Tueshleg 1,2	Dep***		44	47	50	110	14	0	Sand		Rocks for Consstruction uses	2114.4443
	290	<b>744</b>	<b>662</b>	Sain shand	Dep***		44	47	30	110	19	0	Crushed Stones		Rocks for Consstruction uses	2115.4443
	291	<b>745</b>		Tueshleg		Occur.	44	47	20	110	02	0	Chalcedony		Gemstones	4377.066
	292	<b>746</b>	<b>2059</b>	Tueshleg	Dep**		44	47	0	110	03	0	Hard coal		Fuel Resources	86.4443
	293	<b>747</b>		Oergon	Dep		44	44	5	110	44	20	Clays		Rocks for Consstruction uses	3861, 4414

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
XXVII	294	748	658	Sain shand	Dep**		44	43	0	110	04	0	Sand		Rocks for Consstruction uses	1684.2349
	295	749		Sanjiin khudag		Occur.	44	43	50	110	18	35	Limestone		Rocks for Consstruction uses	4414
	296	750		Gashuun		Occur.	44	42	30	110	54	30	Crushed Stones		Rocks for Consstruction uses	4414
	297	751		Sain us		Occur.	44	40	0	110	30	0	Sodium Sulfate Resources		Continental Lake Evaporates	2106
	298	752		Khuz tolgoi		Occur.	44	39	30	110	48	0	Limestone		Rocks for Consstruction uses	5384
XXVIII	299	753		Garamyn khudag		Occur.	45	10	50	111	34	30	Brown Coal		Fuel Resources	4443
	300	754		Argalyn uul-1		Occur.	45	10	0	111	31	0	Agate		Gemstones	1938.4669
	301	755		Dugui tsagaan		Occur.	45	8	30	111	35	30	Perlite		Rocks for Consstruction uses	1545.4443
	302	756		Khar ereg		Occur.	45	7	55	111	24	8	Oil shale		Fuel Resources	4443
	303	757		Ar suejiin khond		Occur.	45	7	0	111	34	0	Brown Coal		Fuel Resources	4443
	304	758		Ergiin khudag		Occur.	45	7	0	111	12	0	Brown Coal		Fuel Resources	407.4443
	305	759		Unnamed		Occur.	45	4	10	111	15	20	Oil shale		Fuel Resources	4443
	306	760		Tsagaan tolgoi		Occur.	44	46	20	111	07	50	Limestone		Rocks for Consstruction uses	4414
	307	761		Tsagaan del		Occur.	44	45	30	111	04	50	Limestone		Rocks for Consstruction uses	4414
	308	762		Modon tolgoi		Occur.	44	46	50	111	23	50	Perlite		Rocks for Consstruction uses	4443
XXIX	309	763		Oelziit		Occur.	45	15	0	112	19	0	Limestone		Rocks for Consstruction uses	407
	310	764		Mogoit		Occur.	45	10	0	112	08	0	Limestone		Rocks for Consstruction uses	407.4443
	311	765		Unnamed-3		Occur.	45	10	0	112	02	30	Limestone		Rocks for Consstruction uses	407.4443
	312	766		Toehomiin bayan bor ovoo		Occur.	45	10	25	112	19	32	Chalcedony		Gemstones	5020

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
<b>XXIX</b>	313	<b>767</b>		Ulaan tolgoi		Occur.	45	6	25	112	10	32	Chalcedony		Gemstones	5020
<b>XXX</b>	314	<b>768</b>		Molzog		Occur.	45	15	0	113	40	0	Sand		Rocks for Consstruction uses	5020
	315	<b>769</b>		Buulai kharyn tsoenrog		Occur.	44	58	45	113	00	25	Sodium Sulfate Resources		Continental Lake Evaporates	5020
	316	<b>770</b>		Bayan tsagaan	Dep		44	55	0	113	23	0	Volcanic Cinders		Rocks for Consstruction uses	5020
<b>XXXI</b>	317	<b>771</b>		Unnamed		Occur.	44	28	25	108	49	30	Chalcedony	Agate	Gemstones	5384
	318	<b>772</b>		Suurin khudag		Occur.	44	10	0	108	09	0	Clays		Rocks for Consstruction uses	1906.4443
	319	<b>773</b>		Shine us		Occur.	44	2	35	108	05	0	Oil shale	Bitumen	Fuel Resources	1400
	320	<b>774</b>		Alag uul	Dep		44	0	0	108	30	0	Opalized Wood		Gemstones	1863.1906
<b>XXXII</b>	321	<b>775</b>		Khueren del		Occur.	44	37	25	109	01	35	Hard coal		Fuel Resources	5384
	322	<b>776</b>		Ueisen tolgoi		Occur.	44	34	35	109	18	32	Brown Coal		Fuel Resources	5384
	323	<b>777</b>		Khoetol kharuul uul		Occur.	44	31	30	109	23	23	Opalized Wood		Gemstones	5384
	324	<b>778</b>		Taban khar ovoo		Occur.	44	8	20	109	37	10	Clayey Shale		Rocks for Consstruction uses	5384
	325	<b>779</b>		Unnamed		Occur.	44	4	0	109	44	0	Oil Or Petroleum		Fuel Resources	5384
	326	<b>780</b>		Baruun bayan		Occur.	44	3	26	109	48	25	Oil Or Petroleum		Fuel Resources	5384
<b>XXXIII</b>	327	<b>781</b>		Abdarantyn khural	Dep		44	37	7	110	29	15	Limestone		Rocks for Consstruction uses	1683.4443
	328	<b>782</b>		Soegdoh	Dep		44	37	10	110	29	40	Limestone		Rocks for Consstruction uses	5384
	329	<b>783</b>		Khamaryn khural	Dep**		44	37	0	110	16	0	Brown Coal		Fuel Resources	978.4443
	330	<b>784</b>		Bayan undur	Dep		44	35	0	110	14	45	Sand		Rocks for Consstruction uses	5384
	331	<b>785</b>	916	Sebhuul	Dep		44	35	0	110	05	0	Sand		Rocks for Consstruction uses	4391

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
XXXIII	332	786		Khuree khashir khiid		Occur.	44	34	0	110	26	0	Brown Coal		Fuel Resources	79.4443
	333	787		Uhaagiin uebur		Occur.	44	31	50	110	08	0	Bitumen		Fuel Resources	5384
	334	788		Zuen bayan	Dep		44	28	0	110	04	0	Bitumen		Fuel Resources	5384
	335	789	105	Khar deliin shue	Dep		44	30	0	110	25	0	Sodium Sulfate Resources		Continental Lake Evaporates	5384
	336	790		Uhaa	Dep		44	29	0	110	05	0	Oil Or Petroleum	Bitumen	Fuel Resources	5384
	337	791		Zuen bayan	Dep***		44	28	0	110	04	0	Oil Or Petroleum		Fuel Resources	5384
	338	792		Zuen bayan		Occur.	44	25	0	110	05	0	Chalcedony		Gemstones	466
	339	793		Tsagaan els	Dep***		44	17	0	110	02	0	Oil Or Petroleum		Fuel Resources	5384
	340	794		Unnamed №301		Occur.	44	3	0	110	03	0	Oil shale	Bitumen	Fuel Resources	291.4443
XXXIV	341	795		Khueh tolgoiin khayr		Occur.	44	36	10	111	18	0	Perlite		Rocks for Consstruction uses	5384
	342	796		Shiremeetiin khez		Occur.	44	31	40	111	10	30	Gaize		Gemstones	5384
	343	797		Tsabchiriin khez		Occur.	44	22	20	111	07	30	Limestone		Rocks for Consstruction uses	5384
	344	798		Unnamed		Occur.	44	0	0	111	05	0	Oil shale		Fuel Resources	407.4443

**Explanation.** Dep\* - Deposit is exploited Dep\*\* - Deposit has been exploited, but there are estimated Reserves Dep\*\*\* - Deposit is in operation Occur\* - Occurrence without estimated Reserves, but is exploited from the Surface Passport № 885 - Deposit passport 01245 - Occurrence passport



# MINERAL DEPOSITS AND OCCURRENCES OF MONGOLIA

L-50  
Scale 1:1,000,000

## LEGEND FOR GEOLOGY

**SEDIMENTARY, VOLCANIC AND METAMORPHIC ROCKS**

**GEOLOGIC TIME**

**CENOZOIC**

QUATERNARY Q  
NEOGENE N  
PALEOGENE P

**MESOZOIC**

CRETACEOUS K  
JURASSIC J  
TRASSIC T  
PERMIAN P

**PALEOZOIC**

CARBONIFEROUS C  
DEVONIAN D  
SILURIAN S  
ORDOVICIAN O  
CAMBRIAN C  
VENDIAN V  
RIPEIAN R

**PROTEROZOIC**

LOWER PROTEROZOIC PR  
UPPER ARCHEAN AR  
LOWER ARCHEAN AR

**PLUTONIC ROCKS**

**ROCK TYPE**

ACID  
INTERMEDIATE  
MAFIC  
ULTRAMAFIC  
ALKALINE

**GENETIC TYPES OF QUATERNARY DEPOSITS**

a- alluvial p- proluvial ap- alluvial - proluvial  
l- lake dp- talus-proluvial v- colian

**VOLCANIC AND SUBVOLCANIC ROCKS**

Mafic:  $\beta$  - basalt,  $\mu\beta$  - diabase, dolerite,  $\tau\beta$  - trachybasalt  
Intermediate:  $\alpha\beta$  - andesitebasalt,  $\tau\alpha\beta$  - trachyandesitebasalt,  
 $\alpha$  - andesite,  $\tau\alpha$  - trachyandesite  
Felsic:  $\lambda$  - dacite, rhyolite, quartz porphyry

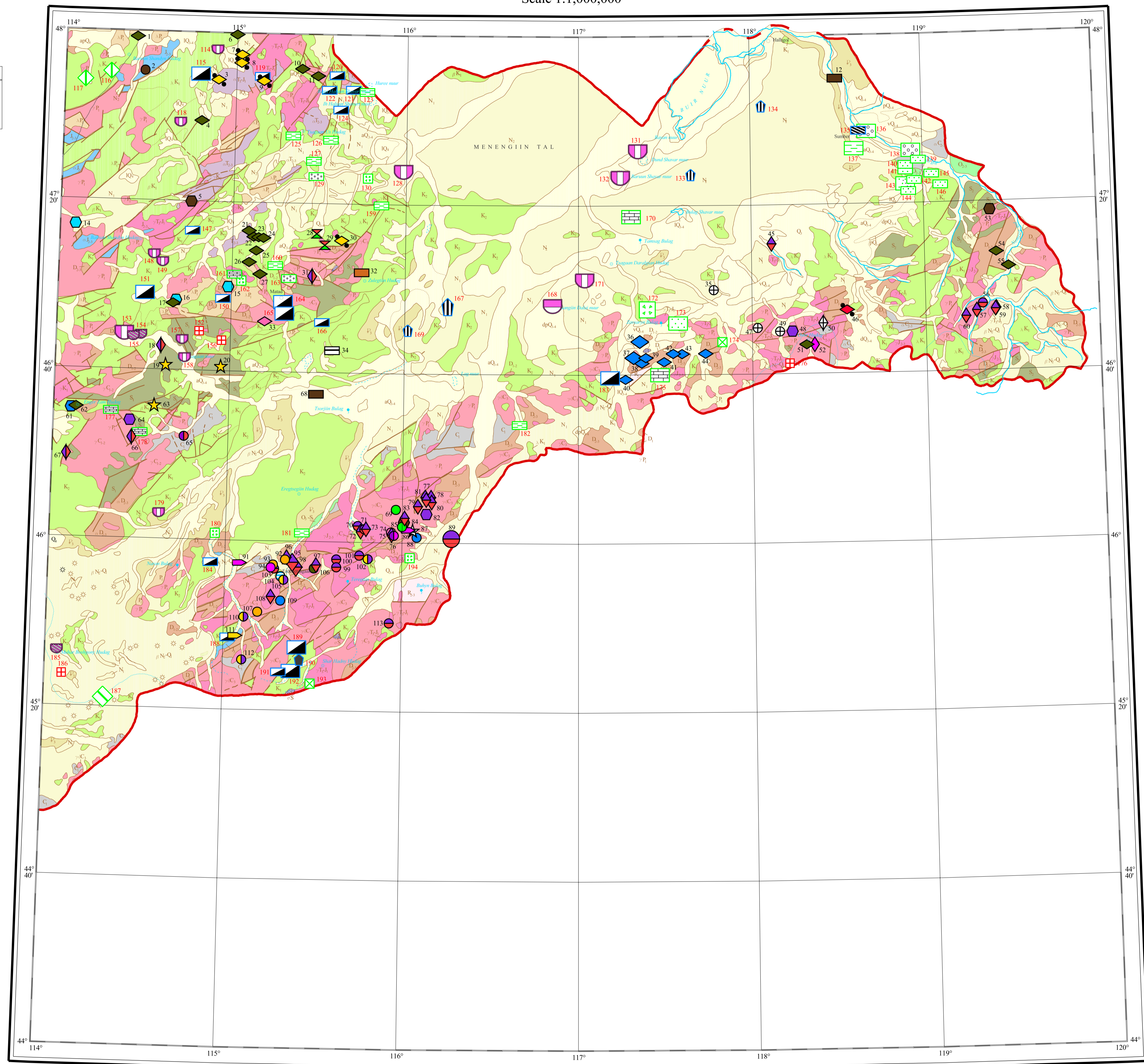
**PLUTONIC ROCKS AND COMPLEXES**

Ultramafic:  $g$  - dunite, peridotite, serpentinite melange  
Felsic:  $\gamma\delta$  - granodiorite, tonalite, plagiogranite,  $\gamma$  granite, leucogranite

**OTHER SYMBOLS**

Faults (normal, strike-slip and of an undetermined genesis)  
Geologic boundary  
Facies boundary  
Volcanic cone

Mind  
villages  
lakes  
rivers  
road



## LEGEND

L-50

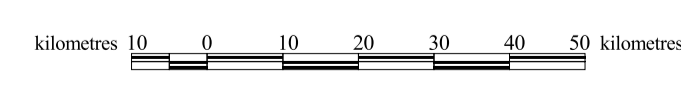
### A. Metals, Fluorspar, Optical Quartz, Gypsum, Graphite

Deposit type	Deposit	Occurrence
<b>1. Deposits related to Subaerial Extrusive Rocks and Dyke Complexes</b>		
1 Epithermal kaolinite-alunite type Au		
2 Volcanic - hosted Hg		
3 Epithermal vein/replacement fluorite		
4 Carbonate-hosted metasomatic polymetal Ag-Pb-Zn		
5 Volcanic-hosted U		
<b>2. Deposits related to Calc-Alkaline and Alkaline Granitic Intrusions</b>		
<b>2.1. Pegmatite, Geisen and Alkaline metasomatic</b>		
6 Mirolitic and abyssal pegmatite		
7 W - Mo - Be greisen		
8 W - Mo greisen		
9 W - Sn greisen		
<b>2.2. Skarn deposits</b>		
10 Fe(Cu,Au,W,Sn) skarn		
11 Fe - Zn skarn		
12 Pb - Zn (Ag, Cu, W, Fe) skarn		
13 W (Mo, Fe, Cu) skarn		
<b>2.3. Porphyry and Granitic Pluton-hosted Deposits</b>		
14 Porphyry Cu - Mo (Ag, Re)		
<b>2.4. Granitoid Related vein, stockwork,metasomatic</b>		
15 Granitoid related Au-W-Mo		
16 Granitoid related stockwork/metasomatite Cu		
17 W - Mo - Be veins/stockworks		
18 Sn(W) veins		
19 W - Sn veins		
20 Vein/replacement Pb - Zn		
21 Granitoid related U		
22 Tantalite granite		
23 Granitoid related vein/stockwork Bi		
24 Granitoid related stockwork/metasomatite Fe		
25 Mountain crystal bearing veins		
26 Granitoid related fluorite veins		
<b>3. Sedimentary Mineral Deposits</b>		
27 Sedimentary Fe (Mn)		
28 Sedimentary Mn (Fe)		
29 Sedimentary gypsum		
<b>4. Deposits Related to Metamorphosed Rocks</b>		
30 Quartz - (carbonate) vein Au		
31 Metamorphic graphite		
<b>5. Deposits related to Surficial Process</b>		
32 Placer Au		
33 Placer Sn (W)		

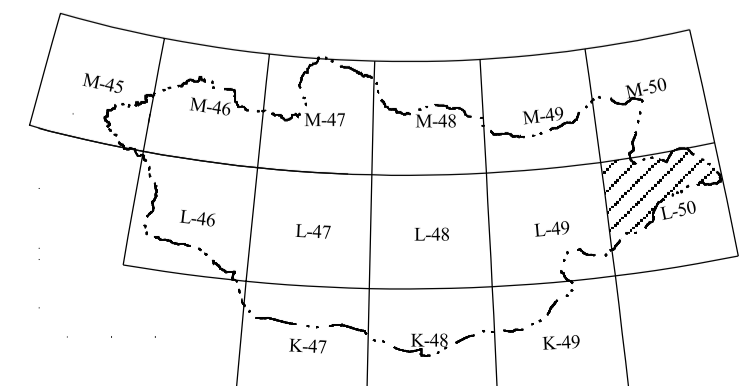
### B. Fuel Resources, Gemstones, Continental Lake Evaporates, Minerals and Rocks for Construction Uses

Mineral Resources	Mineral Deposit	Occurrence
<b>1. Fuel Resources</b>		
1 Peat, turf		
2 Brown coal		
3 Oil shale		
4 Oil or petroleum		
<b>2. Gemstones</b>		
5 Pyrope + Chrysolite + Samidine, Chalcidony + Agate		
<b>3. Continental lake evaporates</b>		
6 Salt or Halite		
7 Halite and Sodium Sulfate Resources		
8 Sodium Sulfate Resources		
<b>4. Minerals and Rocks for Construction uses: Aggregates, Lightweight Aggregates, Stone, Crushed, Decorative stones, Cement Row Materials Roofing Granules</b>		
9 Clays ( Fire clay, common clay, )		
10 Sand		
11 Sand and gravel		
12 Limestone		
13 Perlite		
14 Volcanic cinders and pumice		
15 Decorative stones		
16 Crushed stones, Building stones, Dimension stones		

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Projection: Transverse Mercator  
Spheroid: Krasovsky



Mineral deposits and occurrences compiled from Open File Reports of the Geological Information Center of MRAM, by **Gunchin Dejidmaa and Adyagin Eviikhuu**

Digital cartography by Myangagin Erdenteseg; Geological Information Center, MRAM 2000.

Geology from Geological Map of Mongolia at scale 1:1,000,000 compiled in 1999 by: G. Badarch, Ts. Makhbadar, D. Orolmaa, P. Khosbayar, O. Tomurtogoo; Institute of Geology and Mineral Resources, Academy of Sciences of the Mongolia.

Printed by Geological Information Center of MRAM in 2001. Ulaanbaatar

**Metals & Industrial Minerals Deposits & Occurrences in the Sheet L-50**  
*Compiled by Gunchingiin Dejidmaa*

Number in the L-50 sheet	Passport number in GIC	Deposit and occurrence name	Dep.	Occur.	Location						Major commodity	Minor commodity	Deposit type	Data source: Open File Report number in GIC, Mongolia
					Latitude			Longitude						
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1		Choibalsan		Occur.	47	59	00	114	25	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	964, 4443
2	00688	Unnamed (№18)		Occur.	47	51	00	114	28	00	Fe		Granitoid related stockwork Fe	1853, 4443
3	00044	Unnamed (№22)		Occur.	47	49	00	114	54	00	Au	Ag	Epithermal alunite-kaolinite Au-Ag	1853, 4443
4	04654	Ganzagat tolgoi		Occur.	47	39	20	114	48	20	CaF <sub>2</sub>	Au	Epithermal vein/replacement fluorite	5172
5	04648	Uud		Occur.	47	20	05	114	45	20	Fe, Zn	Bi, Pb	Fe-Zn skarn	5172
6	04503	Unnamed		Occur.	48	00	00	115	00	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	412, 4443
7	00611	Ondor uhaa (Unnamed №19)		Occur.	47	55	00	115	02	00	Au	Ag, Bi, W	Epithermal alunite-kaolinite Au-Ag	1853, 4410, 4443, 5172
8	00045	Unnamed (№17)		Occur.	47	53	00	115	02	00	Au, Ag		Epithermal alunite-kaolinite Au-Ag	1853, 4443
9	00043	Unnamed (№23)		Occur.	47	49	00	115	10	00	Au, Ag		Epithermal alunite-kaolinite Au-Ag	1853, 4443
10	04502	Unnamed		Occur.	47	52	00	115	23	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	1299, 4443
11		Khashaat tsav		Occur.	47	50	20	115	29	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	5172
12	00701	Khalhyngol		Occur.	47	50	00	118	30	00	Fe		Sedimentary Fe	404, 4443, 5000
13	00978	Altangol	Dep.		47	24	20	118	55	00	Quartzic sand		Sedimentary quartzic sand	4586, 5000
14	04455	Ervenhushuu owoo		Occur.	47	14	00	114	05	30	Fe, Zn	Pb, Cu	Fe-Zn skarn	351, 2159, 2500, 3000, 3513, 4443
15	03341	Khavhat ondor		Occur.	47	00	03	114	59	00	Pb, Zn		Pb-Zn skarn	4608, 5172
16	05287	Shanaga		Occur.	46	56	39	114	40	30	Fe, Zn		Fe-Zn skarn	4608, 5172
17		Shanaga (Oyut tolgoi)		Occur.	46	56	00	114	40	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	5172
18	00578	Suuliin dund tolgoi		Occur.	46	45	50	114	36	30	W, As	Pb, Zn	W-Mo greisen	517, 4608, 5172
19	02125	Khulst tolgoi		Occur.	46	41	00	114	38	00	Au		Regional metamorphism related quartz-(carbonate) vein Au	837, 5172
20	04600	Khar serven tolgod		Occur.	46	41	00	114	57	00	Au		Regional metamorphism related quartz-(carbonate) vein Au	5172
21	00273	Occurrence VIII-16		Occur.	47	13	30	115	06	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	5172
22	04651	Occurrence VIII-34		Occur.	47	12	00	115	07	40	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	5172

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
23	04652	Occurrence VIII-35		Occur.	47	11	40	115	09	30	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	5172
24	04653	Occurrence VIII-40		Occur.	47	11	30	115	10	30	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	5172
25	05290	Rashaant		Occur.	47	08	40	115	08	35	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	2451, 4608, 5172
26	05288	Tsagaantolgoi-2		Occur.	47	06	00	115	06	00	CaF <sub>2</sub>	As	Epithermal vein/replacement fluorite	517, 4608, 5172
27	05289	Shandyn khudag		Occur.	47	03	00	115	10	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	517, 4608
28	04612	Suultsagaan		Occur.	47	13	00	115	29	20	Cu, Mo	Zn, Pb, W	Porphyry Cu-Mo	5172
29	04650	Zuunmatad		Occur.	47	10	20	115	32	00	Cu, Mo	Pb	Porphyry Cu-Mo	5172
30	03460	Olziit tolgoi		Occur.	47	11	40	115	38	00	Au, Ag	Bi, W	Epithermal kaolinite-alunite type Au-Ag	5172
31	03340	Bulantsaidam		Occur.	47	03	00	115	28	00	W	Pb, Ag, Cu, Be	W-Mo greisen	4608
32	04649	Zulegtsaidam		Occur.	47	04	00	115	45	00	Mn		Sedimentary Mn	5172
33	00521	Unnamed, №38		Occur.	46	52	00	115	12	00	U		Volcanic-hosted U	2451
34	05638	Zuunhoromsog		Occur.	46	45	30	115	35	00	Gypsum		Sedimentary gypsum	4678
35	04516	Unnamed		Occur.	47	00	00	117	47	00	Piezoquartz		Mountain crystal bearing veins	837, 4443
36	00661	Modon-3	Dep.		46	47	48	117	21	30	Pb		Carbonate-hosted metasomatite Pb	837, 4443, 5000
37		Modon-1 (Modont)	Dep.		46	44	00	117	19	26	Pb		Carbonate-hosted metasomatite Pb	837, 4443, 5000
38	00662	Modon-2		Occur.	46	43	00	117	22	00	Pb		Carbonate-hosted metasomatite Pb	837, 4443
39	00664	Modon-4		Occur.	46	44	15	117	23	30	Pb, Zn		Carbonate-hosted metasomatite Pb	645, 837, 4443
40	00665	Unnamed, №3006		Occur.	46	39	00	117	16	43	Pb, Ag		Carbonate-hosted metasomatite Pb	645, 837, 4443
41	00666	Unnamed, №3058		Occur.	46	43	00	117	30	00	Pb		Carbonate-hosted metasomatite Pb	837, 4443
42	00670	Kholyn		Occur.	46	45	00	117	33	00	Pb		Carbonate-hosted metasomatite Pb	837, 4443
43	00663	Kharaat ondor		Occur.	46	45	00	117	36	00	Pb		Carbonate-hosted metasomatite Pb	645, 837, 4443
44	00671	Khuuchin zastav-1		Occur.	46	45	00	117	44	00	Pb		Carbonate-hosted metasomatite Pb	645, 837, 4443
45	00667	Unnamed		Occur.	47	11	00	118	07	00	Be		W-Mo-Be greisen	406, 4443
46	02694	Bayantsagaan		Occur.	46	55	00	118	33	00	Hg		Clastic sediment-hosted Hg	401, 4443, 5000
47	04514	Khairhan ovoo		Occur.	46	51	00	118	02	00	Piezoquartz	Topaz	Mountain crystal bearing veins	401, 645, 4443
48	00626	Skarnt tolgoi		Occur.	46	50	00	118	14	00	W		W-Mo skarn	645, 1008, 4443
49	04513	Gain uul		Occur.	46	50	00	118	10	00	Piezoquartz	Topaz	Mountain crystal bearing veins	401, 1459
50	04513	Unnamed		Occur.	46	52	00	118	24	32	Mountain crystal		Miarolitic and abyssal pegmatite	401, 645, 1459, 4443
51	04501	Modon		Occur.	46	47	00	118	19	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	645, 4443

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
52		Unnamed		Occur.	46	47	00	118	22	00	Sn		W-Sn greisen	645, 656, 4443
53	00703	Shireen ovoo		Occur.	47	18	00	119	23	00	Fe	W	Fe skarn	404, 806, 4443, 5000
54	02483	Unnamed		Occur.	47	08	00	119	25	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	806, 4443
55		Nomrogiin gol		Occur.	47	04	40	119	29	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	806, 4443
57	00674	Unnamed (Namiringol III)		Occur.	46	55	40	119	20	00	W	Mo	W-Mo-Be veins	806, 2071
58	00672	Nomrogiin gol, Part-3		Occur.	46	54	20	119	18	00	W	Mo	W-Mo-Be greisen	806, 2071, 4443
59	00673	Nomrogiin gol, Part-4		Occur.	46	54	40	119	24	30	W	Mo, Sn	W-Mo-Be greisen	806, 2071
60	00676	Nomrogiin gol, Part-1		Occur.	46	54	40	119	24	30	W	Mo	W-Mo-Be greisen	2071
60	00675	Nomrogiin gol, Part-2		Occur.	46	53	00	119	14	00	W		W-Mo-Be greisen	806, 2071, 4443
61	04607	Ovortal		Occur.	46	30	30	114	06	00	Pb, Zn		Pb-Zn skarn	3000
62	02484	Ulaan ovoo part		Occur.	46	31	00	114	08	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	3000
63	04609	Buht uul		Occur.	46	31	30	114	34	30	Au		Regional metamorphism related quartz-(carbonate) vein Au	5172
64		Uneet khudag		Occur.	46	28	00	114	26	15	W, Mo	Be	W-Mo skarn	2159, 4443
65	04613	Nuramt		Occur.	46	24	30	114	45	00	W, Mo	Bi, Ag	W-Mo-Be veins	5172
66		Sudlyn khudag		Occur.	46	23	55	114	27	00	W, Mo	Be	W-Mo greisen	2159, 4443
67		Khutag uulyn ovoo		Occur.	46	20	00	114	05	00	W, Mo	Be	W-Mo greisen	2159, 4443
68	00686	Terguun bayan sum		Occur.	46	35	00	115	30	00	Fe	Mn	Sedimentary Fe	36, 412, 4443
69		Urt		Occur.	46	08	00	115	57	55	Cu		Granitoid related Cu	4443, 5000
70	00638	Nuht		Occur.	46	04	00	115	45	20	W, Mo	Sn, Be	W-Mo-Be veins	2992, 4443
71	14-18	Arbayan		Occur.	46	03	15	115	47	30	W	Mo, Sn, Be	W-Mo-Be veins	2992, 3718, 4443, 5000
72	14-66, 00636	Ovorbayan		Occur.	46	02	41	115	46	05	W	Mo, Sn, Be	W-Mo-Be greisen	2992, 3718, 4443
73	02096	Bayanuul		Occur.	46	03	10	115	47	30	Be	Sn	W-Mo-Be greisen	2992, 4443
74	02231	Tsagaanuul		Occur.	46	02	35	115	56	12	U, Mo		Granitoid related U-Mo	876, 5000
75		Oiryu		Occur.	46	02	00	115	57	00	Mo	Mo, Sn, Be	W-Mo-Be greisen	876
76	00639	Itgelt		Occur.	46	02	00	115	57	25	W, Sn	Mo, Be	W-Sn veins	2992, 4443
77		Urt		Occur.	46	11	00	116	08	00	W, Mo		W-Mo-Be greisen	623, 3562, 4443, 5000
78	02376	Mongolt (Greisen tolgoi)		Occur.	46	11	00	116	10	00	W, Mo		W-Mo-Be greisen	623, 2737, 3562, 4443
79	02494	Bugat		Occur.	46	10	35	116	08	30	W, Mo		W-Mo-Be greisen	2992, 4443, 5000
80	00617	Tsagaanchuluut		Occur.	46	10	00	116	10	08	W, Mo		W-Mo-Be greisen	2992, 4443

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
81	00700	Tarvagatai		Occur.	46	08	50	116	05	25	W, Mo		W-Mo-Be greisen	2992, 4443, 5000
82	00616	Zurh owoo		Occur.	46	07	00	116	08	00	W	Mo, Sn, Be	W-Mo skarn	2992, 4443
83	00618	Nogoon tolgoi		Occur.	46	06	00	116	01	00	W, Mo		W-Mo-Be greisen	2992, 4443
84	00700	Khailaast bulag		Occur.	46	05	00	116	01	00	Fe		Fe skarn	623, 2992, 4443, 5000
85	00707	Khailaast bulag		Occur.	46	04	00	116	00	00	Cu		Granitoid related Cu	2992, 4443, 5000
86		Khotgo uul		Occur.	46	03	00	116	02	00	Sn		Placer Sn	623, 4443, 5000
87	03217, 04481	Unnamed		Occur.	46	03	00	116	04	00	Graphite		Metamorphic graphite	623, 4443
88		Bilh tolgoi		Occur.	46	01	20	116	05	00	Pb, Zn	Ag	Granitoid related vein Pb-Zn	5000
89		South	Dep.		46	01	00	116	17	00	W, Mo		W-Mo-Be veins	826, 4443
90		Darganga		Occur.	45	27	30	114	05	30	Pyrope		Placer pyrope	2662, 4443
91	02097	Tsagaanereg		Occur.	45	55	00	115	05	00	Sn, W		Placer Sn	2739, 4443, 5000
92		Nergui tolgoi		Occur.	45	56	10	115	20	55	Ta	La, Zr, Sc	Ta granite	2348, 4443, 5000
93	03158	Nergui /XX-1-98/		Occur.	45	54	35	115	16	30	Ta, Nb		Tantalitic granite	439, 4443, 5000
94		Dund bayan hoshuu		Occur.	45	53	50	115	15	30	Sn	As, Zn	Sn(W) veins	5000
95	14-17	Eguuzer	Dep.**		45	55	00	115	23	00	W, Mo	Be	W-Mo-Be greisen	2025, 2149, 4443, 5000
96	02080	Batgui		Occur.	45	56	00	115	21	00	W, Mo		W-Mo-Be veins	447, 1191, 4443, 5000
97		Shiree gol		Occur.	45	54	30	115	31	00	W		W-Mo-Be greisen	5000
98	14-19	Toviin	Dep.**		45	54	00	115	24	00	Be, W, Sn	Mo	W-Mo-Be greisen	2739, 3562, 4443, 5000
99	02379	Zuun (Dornod)		Occur.	45	54	00	115	38	00	W	Bi	W-Mo-Be veins	2348, 4443
100	02378	Arvansar		Occur.	45	56	00	115	38	00	Be, W	Sn	W-Mo-Be veins	2739, 3562, 4443, 5000
101	02377	Bayanhailaast		Occur.	45	57	00	115	46	00	W, Mo	Bi	W-Mo-Be veins	1008, 2737, 4443
102		Unnamed		Occur.	45	56	20	115	48	30	Au	Mo, Cu	Granitoid related Au-W-Mo	5000
103	02380	Unnamed		Occur.	45	53	30	115	16	55	W		W-Mo-Be veins	2348, 4443
104		nergui tolgoi		Occur.	45	51	50	115	19	00	Bi	Ag, Pb	Granitoid related vein/replacement Pb-Zn	2348, 4443
105	00702	Altan		Occur.	45	51	00	115	20	00	Au	W	Granitoid related Au-W-Mo	2576, 4443, 5000
106		Baruunhovd gol		Occur.	45	54	00	115	30	00	CaF <sub>2</sub>		Granitoid related vein fluorite	366, 4443
107	02692	Khamarbulag		Occur.	45	43	20	115	11	30	Ta, Nb		Tantalitic granite	5000
108	02381	Tsagaan		Occur.	45	47	00	115	16	00	W, Mo		W-Mo greisen	2348, 4443
109	00660, 04615	Unnamed		Occur.	45	46	00	115	19	00	Pb, Ag, As		Granitoid related vein/metasomatite Pb-Zn	2348, 4443

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
110		Magnaitsagaan tolgoi		Occur.	45	42	10	115	07	00	Au	Mo, Cu	Granitoid related Au-W-Mo	5000
111	00669	Khanyn gol		Occur.	45	37	30	115	03	00	Au		Placer Au	14, 101, 332, 4443, 5000
112		Khanan suuder tolgoi		Occur.	45	32	00	115	06	30	Au	Mo, Cu	Granitoid related Au-W-Mo	5000
113	02033	Khiliin		Occur.	45	41	00	115	56	00	W		W-Mo-Be veins	634, 876, 4443

Explanation: \*\*\*- Deposits in operation; \*\*- Deposits mined out, but there is small amount of reserves; \*- Deposits mined out; \*- Occurrences with small ancient openpits on surface.

**Mineral Deposits and Occurrences in the Sheet L-50**  
(Fuel Resources, Continental Lake Evaporates, Gemstones, Rocks for Construction Uses)

1:200000 scale Sheet	No	Number in L-50	Passport number	Deposit and occurrence name	Dep	Occur	Location						Major Resources	Minor Resources	Mineral Resources Group	Information Sources (Open File Report number in GIC)
							Latitude			Longitude						
							deg	min	sek	deg	min	sek				
<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>
<b>I</b>	1	114	1099	Ulaan garamuin nuur		Occur	47	56	0	114	53	0	Sodium Sulfate Resources		Continental Lake Evaporates	1069, 1569, 2106
	2	115	2083	Jargalant	Dep		47	50	0	114	47	0	Brown coal		Fuel Resources	82
	3	116	36	Occurrence №20		Occur	47	50	0	114	16	0	Perlite		Rocks for Construction Uses	1853
	4	117	35	Occurrence №24		Occur	47	48	0	114	7	0	Perlite		Rocks for Construction Uses	1853
	5	118	4655	Deed nuur		Occur	47	38	40	114	40	30	Sodium Sulfate Resources		Continental Lake Evaporates	5172
<b>II</b>	6	119	687	Bumbain hudag		Occur	47	50	0	115	9	0	Brown coal		Fuel Resources	490
	7	120	704	Bayan us		Occur	47	50	30	115	35	30	Brown coal	uran	Fuel Resources	1299, 5172
	8	121	708	Urt cagaan		Occur	47	47	0	115	41	30	Brown coal		Fuel Resources	1299, 5172
	9	122	2477	Us nuur		Occur	47	47	0	115	33	0	Brown coal	uran	Fuel Resources	593
	10	123	4656	Haluun shavart		Occur	47	46	30	115	46	0	Clays		Rocks for Construction Uses	5172
	11	124	4647	Zalaagiin honhor		Occur	47	42	25	115	37	0	Brown coal		Fuel Resources	5172
	12	125		Majig ulaan toirom		Occur	47	36	0	115	20	30	Clays / mad /		Rocks for Construction Uses	5172
	13	126		Toegroeg nuur		Occur	47	35	0	115	33	30	Clays / mad /		Rocks for Construction Uses	5172
	14	127		Toegoel nuur		Occur	47	30	0	115	27	30	Clays / mad /		Rocks for Construction Uses	5172
	15	128	306	Zueun shorvog nuur	Dep			47	28	0	115	59	0	Sodium Sulfate Resources		Continental Lake Evaporates

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
II	16	129		Ulaan cereg		Occur	47	26	30	115	28	30	Sand and gravel		Rocks for Construction Uses	5172
	17	130		Bayan uul		Occur**	47	26	0	115	46	30	Crushed Stones /rhyolite/		Rocks for Construction Uses	5172
IV	18	131		Shorvog nuur	Dep		47	33	0	117	21	0	Sodium Sulfate Resources		Continental Lake Evaporates	1663, 2106, 4656
	19	132	1105	Baruun shavar	Dep		47	27	0	117	15	0	Sodium Sulfate Resources		Continental Lake Evaporates	1663, 2106, 5000
	20	133	5041	Антиклиналь структур III		Occur	47	27	0	117	39	0	Oil or petroleum		Fuel Resources	4325
Y	21	134	5042	Антиклиналь структур III		Occur	47	43	0	118	4	0	Oil or petroleum		Fuel Resources	4325
	22	135	668	Halhuin голуин baruun ereg		Occur	47	37	0	118	40	0	Peat		Fuel Resources	293, 5000
	23	136	995	Hamar davaa	Dep		47	36	50	118	39	20	Sand and gravel		Rocks for Construction Uses	4443, 5000
	24	137		Hamar davaa	Dep		47	33	0	118	36	0	Clays / mad /		Rocks for Construction Uses	4443, 5000
	25	138		Zuen /Halhuin gol/	Dep		47	32	28	118	56	22	Sand and gravel		Rocks for Construction Uses	1670, 5000
	26	139	5432	Heree uul		Occur	47	30	0	118	58	20	Sand		Rocks for Construction Uses	4694
	27	140	5613	Nuehtin manhan		Occur	47	28	30	118	54	0	Sand		Rocks for Construction Uses	4694
	28	141	5431	Uehert		Occur	47	28	0	118	54	0	Sand		Rocks for Construction Uses	4694
	29	142	5434	Erhiin cagaan tolgoi		Occur	47	25	0	118	56	23	Sand		Rocks for Construction Uses	4694
	30	143		Altan gol	Dep		47	24	20	118	55	0	Sand		Rocks for Construction Uses	4586, 5000
	31	144	5614	Ih chandmani tolgoi		Occur	47	23	0	118	54	40	Sand		Rocks for Construction Uses	4694
YI	32	145	5433	Jagain gol		Occur	47	26	44	119	3	0	Sand		Rocks for Construction Uses	4694
	33	146	5430	Degee gol		Occur	47	24	0	119	5	47	Sand		Rocks for Construction Uses	4694
YII	34	147	2478	Arjar oelziit		Occur	47	13	0	114	46	0	Brown coal	uran	Fuel Resources	593



0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
YII	35	148		Ganc shueut		Occur	47	7	20	114	33	0	Sodium Sulfate Resources		Continental Lake Evaporates	5172
	36	149		Occurrence 12		Occur	47	5	22	114	35	50	Sodium Sulfate Resources		Continental Lake Evaporates	5172
	37	150		Oelziit		Occur	46	57	0	114	57	0	Brown coal		Fuel Resuorces	4752
	38	151	2049	Hoeot	Dep		46	58	0	114	30	0	Brown coal	uran	Fuel Resuorces	2153, 5172
	39	152		Cagaan doervoeljin uul		Occur	46	49	20	114	49	10	Chalcedony	Agate	Gemstones	5172
	40	153	1050	Buerdiin davsan	Dep		46	48	40	114	23	41	Sodium Sulfate Resources	Halite	Continental Lake Evaporates	1969, 2106
	41	154	1057	Urbulan		Occur	46	48	10	114	29	2	Halite		Continental Lake Evaporates	1876
	42	155	1056	Burdiin togoo		Occur	46	48	2	114	26	59	Halite		Continental Lake Evaporates	1876
	43	156		Ulaan honhoruin hudag		Occur	46	47	20	114	57	10	Chalcedony	Agate	Gemstones	5172
	44	157		Elgenii toirom		Occur	46	47	0	114	43	10	Sodium Sulfate Resources		Continental Lake Evaporates	5172
	45	158		Cagaan temeet		Occur	46	43	0	114	44	20	Sodium Sulfate Resources		Continental Lake Evaporates	5172
YIII	46	159		Hoeh usnui hudag		Occur	47	19	40	115	51	30	Clays / mad /		Rocks for Construction Uses	5172
	47	160		Zueun bulag		Occur**	47	5	0	115	15	0	Clays / mad /		Rocks for Construction Uses	412, 5172
	48	161	2479	Ar jargalant		Occur**	47	3	0	115	1	0	Limestone		Rocks for Construction Uses	412
	49	162		Hoendloen had		Occur**	47	1	30	115	3	30	Crushed Stones /rhyolite/		Rocks for Construction Uses	5172
	50	163		Matad-52 /Zueun bulag/		Occur**	47	2	0	115	20	0	Sand and gravel		Rocks for Construction Uses	402, 4130, 5172
	51	164	2079	Zuen bulag	Dep		46	57	0	115	17	30	Brown coal	uran	Fuel Resuorces	437, 5000
	52	165		Matad sum	Dep		46	54	0	115	16	0	Brown coal		Fuel Resuorces	293, 1417, 4752
	53	166	2481	Nuur hooronduin heseg		Occur	46	52	0	115	32	0	Brown coal	uran	Fuel Resuorces	593

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
IX	54	167		Toson uul	Dep		46	56	0	116	15	0	Oil or petroleum		Fuel Resources	
	55	168	10321	Sangiin dalai nuur	Dep		46	56	15	116	51	0	Halite, Sodium Sulfate Resources		Continental Lake Evaporates	2106, 2346, 5000
	56	169		XX-I talbai		Occur	46	50	0	116	1	0	Oil or petroleum		Fuel Resources	
X	57	170	1075	Shohoit uul	Dep		47	17	30	117	18	0	Limestone		Rocks for Construction Uses	4130, 5000
	58	171	1041	Hoeh nuur	Dep		47	2	30	117	2	20	Sodium Sulfate Resources		Continental Lake Evaporates	5000
	59	172	1071	Jamsran	Dep		46	55	36	117	23	45	Crushed Stones /granite/		Rocks for Construction Uses	1670, 4130, 5000
	60	173	999	Jamsran owoo	Dep		46	52	10	117	34	20	Sand		Rocks for Construction Uses	4193
	61	174		Modon owoo		Occur	46	48	0	117	49	0	Stone, Decorative /marble/		Rocks for Construction Uses	3048
	62	175	1076	Tevteeriin tolgoi	Dep		46	41	13	117	37 17	35	Limestone		Rocks for Construction Uses	1670, 5000
XI	63	176		Huld uul		Occur	46	42	40	118	13	0	Chrysolite	Pyrope	Gemstones	5000
XIII	64	177	2486	Bumuin suem		Occur	46	30	0	114	20	0	Limestone		Rocks for Construction Uses	412
	65	178	2487	Unnamed		Occur	46	25	0	114	30	0	Limestone		Rocks for Construction Uses	412
	66	179		Shueut nuur		Occur	46	6	10	114	37	0	Sodium Sulfate Resources		Continental Lake Evaporates	5172
	67	180	4657	Jargalant gol		Occur**	46	1	30	114	56	30	Crushed Stones /basalt//		Rocks for Construction Uses	5172
XIY	68	181	2488	Adgiin gol		Occur	46	2	0	115	26	0	Clays / mad /		Rocks for Construction Uses	412
XY	69	182	2489	Baruun some		Occur	46	28	0	116	40	0	Clays / mad /		Rocks for Construction Uses	412
XYI	70	183		Burangiin hooloi	Dep		46	39	30	117	10	40	Brown coal		Fuel Resources	3978, 5000
XIX	71	184	4100	Ereen tolgoi		Occur	45	55	0	114	55	50	Brown coal		Fuel Resources	5020

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
XIX	72	185	4111	Muhar nuur		Occur**	45	33	20	114	4	10	Halite		Continental Lake Evaporates	5020
	73	186		Dariganga		Occur	45	27	30	114	5	30	Pyrope	Chrysolite	Gemstones	2662. 4443
	74	187		Bayancagaan	Dep***		45	22	15	114	20	25	Volcanic Cinders		Rocks for Construction Uses	5020
XX	75	188	690	Hanuin gol		Occur	45	37	0	115	4	0	Brown coal		Fuel Resuorces	14 , 5000
	76	189		Bayan-Cogt	Dep		45	35	0	115	25	0	Brown coal		Fuel Resuorces	2704, 5000
	77	190	689	Suman oendoer		Occur	45	31	40	115	26	0	Brown coal		Fuel Resuorces	14, 5000
	78	191	691	Sain hoeovoer		Occur	45	29	0	115	19	0	Brown coal		Fuel Resuorces	14, 5000
	79	192	2063	Bayan-Cogt -1	Dep		45	29	0	115	23	0	Brown coal		Fuel Resuorces	2704
	80	193	3218	Samuin oendoer		Occur	45	26	30	115	29	30	Stone, Decorative /granite/		Rocks for Construction Uses	5000
XXI	81	194	3222	Bayan - Uul /XXI-1-148/		Occur	45	56	20	116	3	0	Crushed Stones /andesite, rhyolite/		Rocks for Construction Uses	5000

Explanation

Dep\* - Deposit is exploted

Dep\*\* - Deposit has been exploted, but there are estimated Reserves

Dep\*\*\* - Deposit is in operation

Occur\*\* - Occurrence without estimated reserves, but is exploted from the Surface

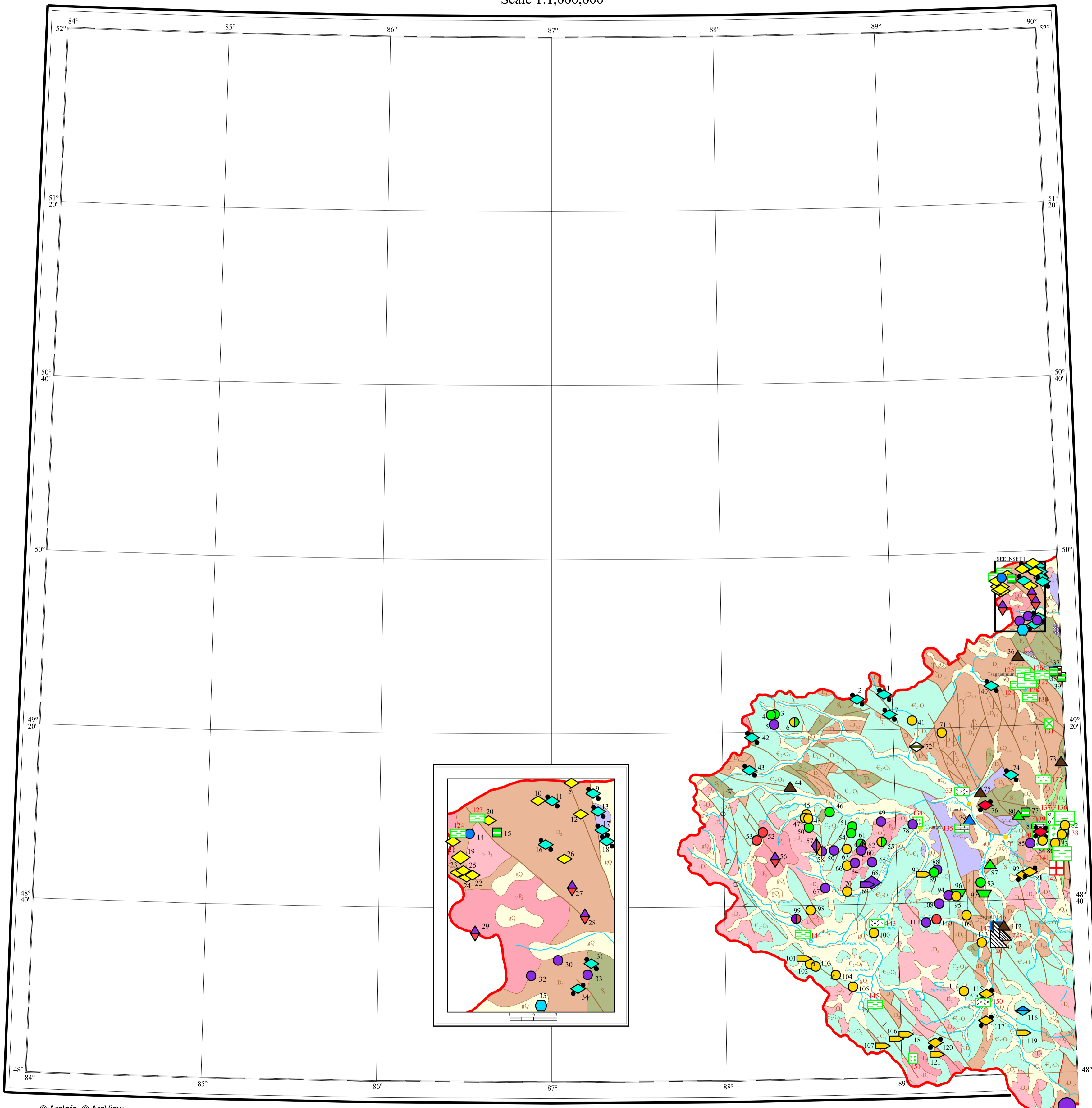
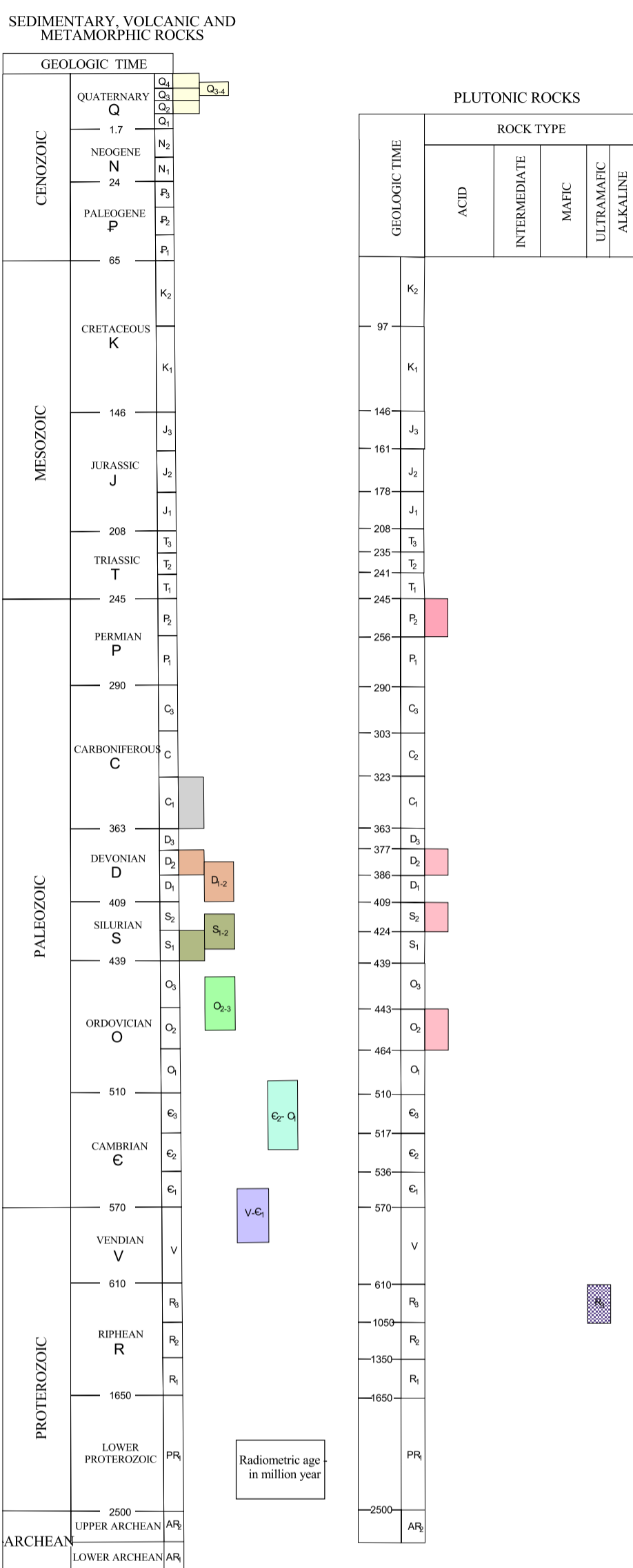
Passport No: 2083 - Deposit passport

04656 - occurrence passport

# MINERAL DEPOSITS AND OCCURRENCES OF MONGOLIA

M-45, L-45  
Scale 1:1,000,000

## LEGEND FOR GEOLOGY



## LEGEND M-45, L-45

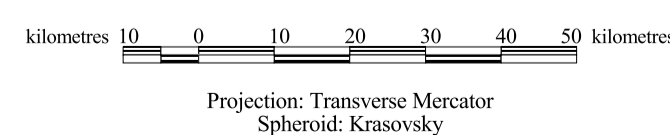
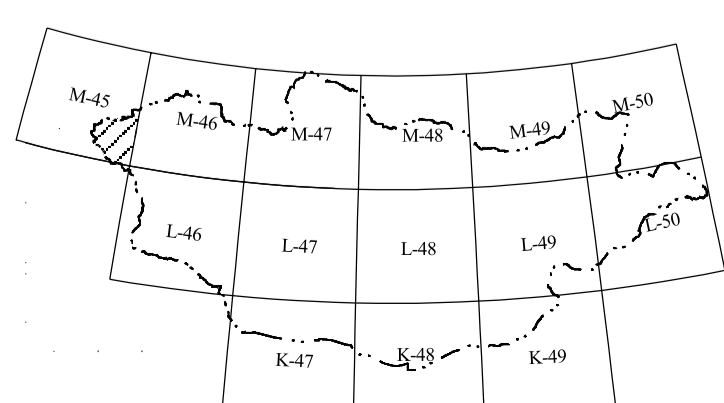
### A. Metals, Barium Minerals

Deposit type	Deposit	Occurrence
<b>1. Deposits related to Mafic and Ultramafic Rocks</b>		
1	Magmatic podiform Cr	■
2	Cu-Ni-(PGE) sulfide mafic-ultramafic related	■
<b>2. Deposits related to Marine Felsic - Mafic Extrusive Rocks</b>		
3	Volcanogenic Cu-Zn massive sulfide (Ural type)	▲
4	Volcanogenic Zn-Pb-Cu (Ag, Au, Cd, Sn, Sb, Bi, barite) massive sulfide (Kuroko, Ore Altai type)	▲
5	Volcanogenic - sedimentary Fe	▲
<b>3. Deposits related to Calc-Alkaline and Alkaline Granitic Intrusions</b>		
6	Epithermal adularia-sericite type Au	▲
7	Clastic sediment-hosted Hg	▲
8	Silica-carbonate (listvenite) Hg	▲
9	Sb - Bi - Ag veins	◆
10	Barite veins	◆
11	Volcanic-hosted metasomatic polymetal Pb-Zn(Cu, Au, Ag)	◆
12	Cu - Co - sulfoarsenide-sulfosalts veins	◆
13	Co - sulfoarsenide veins	◆
14	Hg - Sb - W vein and stockwork	◆
<b>4. Stratiform and Stratabound Deposits in sedimentary rocks</b>		
15	Sandstone - hosted Cu	▼
<b>5. Deposits related to Calc-Alkaline and Alkaline Granitic Intrusions</b>		
<b>5.1. Pegmatite, Greisen and Alkaline metasomatic Deposits</b>		
16	W - Mo - Be greisen	◆
17	W - Mo greisen	◆
<b>5.2. Skarn deposits</b>		
18	Fe - Zn skarn	◆
<b>5.3. Granitoid Related vein, stockwork, metasomatic deposits</b>		
19	Granitoid related Au	●
20	Granitoid related Au - Ag - Cu	●
21	Granitoid related Au-W-Mo	●
22	Granitoid related stockwork/metasomatic Cu	●
23	W(Mo) veins and stockworks	●
24	Mo(W) veins and stockworks	●
25	W-Mo veins and stockworks	●
26	Vein/replacement Pb - Zn	●
<b>6. Deposits related to Surficial Process</b>		
27	Placer Au	▶
28	Placer W	▶

### B. Fuel Resources, Gemstones, Mineral Pigments, Minerals and Rocks for Construction Uses

Mineral Resources	Mineral Deposit	Occurrence
<b>1. Fuel Resources</b>		
1	Hard coal	■
<b>2. Gemstones</b>		
2	Listvenite	■
<b>3. Mineral Pigments</b>		
3	Colored Clay Pigments	■
<b>4. Minerals and Rocks for Construction uses: Aggregates, Lightweight Aggregates, Decorative stones, Crushed stones</b>		
4	Clays ( Fire clay, common clay, )	■
5	Sand	■
6	Sand and gravel	■
7	Limestone	■
8	Decorative stones	■
9	Crushed stones, Building stones, Dimension stones	■

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Mineral deposits and occurrences compiled from Open File Reports of the Geological Information Center of MRAM, by **Namsrajavyn Oyuntuya**

Digital cartography by Myangaagin Erdenetseseg: Geological Information Center, MRAM.

Geology from Geological Map of Mongolia at scale 1:1,000,000 compiled in 1999 by: G. Badarch, Ts. Makhbadar, D. Orolmaa, P. Khosbayar O. Tomurtogoo; Institute of Geology and Mineral Resources, Academy of Sciences of the Mongolia.

Printed by Geological Information Center of MRAM in 2001. Ulaanbaatar.

**Metals & Industrial Minerals Deposits & Occurrences in the Sheet M-45, L-45**  
*Compiled by Namsrajavyn Oyuntuya*

Number in the M-45; L-45 sheet	Passport number in GIC	Deposit and occurrence name	Dep.	Occur.	Location						Major commodity	Minor commodity	Deposit type	Data source: Open File Report number in GIC, Mongolia
					Latitude			Longitude						
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	05129	Burgasyn gol		Occur.	49	28	00	88	57	00	Cu, Au		Cu-Co-sulfoarsenide-sulfosalts veins	3978, 3033, 5306
2		Unnamed /occurrence №20/		Occur.	49	27	05	88	47	40	Cu		Cu-Co-sulfoarsenide-sulfosalts veins	3978, 3033, 5306
3		Unnamed		Occur.	49	24	12	88	18	30	Cu		Granitoid related vein/replacement Cu	3978, 5306
4	05130	Unnamed /occurrence №10/		Occur.	49	24	00	88	17	40	Cu	Au	Granitoid related vein/replacement Cu	3978, 5306
5		Nuuriin gol		Occur.	49	21	40	88	18	10	W		W(Mo) veins and stockworks	3978, 618, 5306
6		Unnamed		Occur.	49	22	15	88	25	30	Au	Cu	Granitoid related Au-Ag-Cu	3978, 5306
7	04392	Terisak		Occur.	49	23	30	88	59	00	Cu, Au		Cu-Co-sulfoarsenide-sulfosalts veins	3033, 3978, 5306
8	02955	Unnamed /occurrence №41/		Occur.	49	57	18	89	51	03	Ag		Sb-Bi-Ag veins	4520, 5306
9	02956	Unnamed /occurrence №54/		Occur.	49	56	25	89	53	20	Cu		Cu-Co-sulfoarsenide-sulfosalts veins	4520, 5306
10	04393, 05132	Unnamed /occurrence №36/		Occur.	49	56	05	89	47	30	Ag		Sb-Bi-Ag veins	3033, 4520, 5306
11	05206	Unnamed /occurrence №46/		Occur.	49	56	00	89	49	00	Cu		Cu-Co-sulfoarsenide-sulfosalts veins	4520, 4038
12		Tsegsh uul		Occur.	49	55	00	89	52	00	Ag, Bi, Sb	Cu, As	Sb-Bi-Ag veins	3747
13		Unnamed /occurrence №57/		Occur.	49	55	10	89	53	53	Cu		Cu-Co-sulfoarsenide-sulfosalts veins	4520, 5306
14	05122	Asgatyn gol /occurrence №45/		Occur.	49	54	00	89	40	00	Zn	Sn, Pb, Mn	Granitoid related vein/replacement Pb-Zn	3747
15	05207	Dosh uul		Occur.	49	54	00	89	43	00	Cu, Ni		Cu-Ni-(PGE) sulfide mafic-ultramafic related	3646
16		Unnamed /occurrence №69/		Occur.	49	53	00	89	48	08	Cu	Ag	Cu-Co-sulfoarsenide-sulfosalts veins	3229, 5306
17	02958	Unnamed /occurrence №78/		Occur.	49	53	52	89	54	10	Cu		Cu-Co-sulfoarsenide-sulfosalts veins	4520, 5306
18	05205	Nariin gol /occurrence №81/		Occur.	49	53	04	89	54	45	Cu, Ag		Cu-Co-sulfoarsenide-sulfosalts veins	4038, 4520, 5306
19		Asgat	Dep.		49	52	20	89	39	00	Ag, Sb		Sb-Bi-Ag veins	3229, 4497, 4520, 5306
20		Bus-8		Occur.	49	54	51	89	42	06	Ag		Sb-Bi-Ag veins	3229, 4497, 4520, 5306
21		Unnamed /bus-5/		Occur.	49	53	30	89	38	10	Ag		Sb-Bi-Ag veins	3229, 4497, 4520, 5306
22		Bus-6a		Occur.	49	51	07	89	40	10	Ag		Sb-Bi-Ag veins	3229, 4497, 4520, 5306
23		Unnamed /bus-IX/		Occur.	49	51	20	89	38	40	Ag		Sb-Bi-Ag veins	3229, 4497, 4520, 5306
24		Unnamed /bus-VI/		Occur.	49	51	00	89	39	32	Ag		Sb-Bi-Ag veins	3229, 4497, 4520, 5306

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
25		Unnamed /bus-X/		Occur.	49	51	28	89	39	10	Ag		Sb-Bi-Ag veins	3229, 4497, 4520, 5306
26		Unnamed		Occur.	49	52	00	89	50	00	Ag	Cu, Zn	Sb-Bi-Ag veins	3033
27		Unnamed /occurrence №19/		Occur.	49	50	00	89	50	45	Be	W, Sn	W-Mo-Be greisen	3646
28		Unnamed		Occur.	49	48	00	89	52	00	Be	W	W-Mo-Be greisen	3033, 4658
29		Unnamed		Occur.	49	47	00	89	40	00	Be	Li, Ag, Bi	W-Mo-Be greisen	3033, 4658
30		Khubs		Occur.	49	45	00	89	49	00	W	Ag, Bi	W(Mo) veins and stockworks	3747, 4520
31	05123	Occurrence №185		Occur.	49	44	40	89	52	30	Cu	Co, Ni	Cu-Co-sulfoarsenide-sulfosalts veins	3747
32		Unnamed		Occur.	49	44	00	89	46	00	W	Ag, Bi	W(Mo) veins and stockworks	3033, 4658
33		Unnamed		Occur.	49	44	00	89	52	00	W	Ag	W(Mo) veins and stockworks	3033
34	05125	Unnamed №183		Occur.	49	43	00	89	51	00	Co	As, Sn, Cu, Ba	Co-sulfoarsenide veins	3747
35	05121	Unnamed		Occur.	49	42	00	89	47	00	Zn	Cu, Co	Fe-Zn skarn	3033
36	05067	Occurrence №28		Occur.	49	36	00	89	44	35	Fe		Volcanogenic-sedimentary Fe	3646, 4520
37	02962	Khabtsal /unnamed 4-4-302/		Occur.	49	32	00	89	58	00	Cr		Magmatic podiform Cr	4520
38	04394	Doloon		Occur.	49	31	51	89	57	20	Cu	Ni, Ag, Cr, Sb	Cu-Ni-(PGE) sulfide mafic-ultramafic related	4038, 4520, 5306
39		Bor khag		Occur.	49	30	50	89	59	45	Ni	Cr	Cu-Ni-(PGE) sulfide mafic-ultramafic related	3646, 4520, 5306
40	05211	Baruun tsagaan nuur		Occur.	49	29	15	89	34	58	Cu		Cu-Co-sulfoarsenide-sulfosalts veins	4038, 4520, 5306
41	03560	Bor burgas		Occur.	49	22	00	89	07	00	Au		Granitoid related Au	5306
42	05212, 04341	Ulaan davaa		Occur.	49	18	43	88	10	30	Cu	As, Sb	Cu-Co-sulfoarsenide-sulfosalts veins	3978, 5306
43	04342	Occurrence №36		Occur.	49	11	20	88	09	20	Cu	As, Sb	Cu-Co-sulfoarsenide-sulfosalts veins	3978
44	05050	Tsagaan gol		Occur.	49	07	25	88	23	20	Fe		Volcanogenic-sedimentary Fe	3978
45	03563	Unnamed /occurrence №45/		Occur.	49	01	00	88	29	00	Au		Granitoid related Au	3978, 5306
46	05068	Khatuu gol		Occur.	49	01	20	88	37	10	Cu	Fe	Granitoid related vein/replacement Cu	3978, 4038, 5306
47	03562	Unnamed /occurrence №60/		Occur.	49	00	20	88	28	40	Au		Granitoid related Au	3978, 5306
48		Khag nuur /Dugraga nuur/		Occur.	49	00	05	88	29	40	Au	Ag	Granitoid related Au	3978, 5306
49		Tsengel		Occur.	48	59	00	88	55	00	W	Sb	W(Mo) veins and stockworks	4038, 4658
50	04395	Unnamed		Occur.	48	58	00	88	30	00	Cu		Granitoid related vein/replacement Cu	3033
51	04337	Shar gobi		Occur.	48	58	00	88	44	55	Cu		Granitoid related vein/replacement Cu	3978, 5306
52		Arshaan gol /arshaan/		Occur.	48	57	00	88	13	40	Mo	W, Be	Mo(W) veins and stockworks	3978, 5306
53		Arshaan gol 1 /arshaan gol/		Occur.	48	55	20	88	11	30	Mo	Be, W	Mo(W) veins and stockworks	3978, 5306

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
54	04339	Omnot №90		Occur.	48	56	30	88	44	30	Cu		Granitoid related vein/replacement Cu	3978
55		Unnamed		Occur.	48	54	20	88	55	00	Au	Cu	Granitoid related Au-Ag-Cu	3978, 5306
56		Dungerekh uul		Occur.	48	51	00	88	17	50	Mo	Be, W	W-Mo-Be greisen	4038, 4521, 5306
57		Khar nuur		Occur.	48	53	41	88	32	10	W	Bi	W-Mo greisen	4038, 4521, 5306
58		Khar nuur 1		Occur.	48	52	30	88	34	00	Au, W		Granitoid related Au-W-Mo	3033, 5306
59	02967	Dund salaa		Occur.	48	52	35	88	38	36	W	Bi, Au	W(Mo) veins and stockworks	4521, 5306
60		Bor burgas /akkoli/		Occur.	48	52	30	88	47	55	W	Bi	W(Mo) veins and stockworks	3978, 4521, 5306
61	04340	Occurrence №114		Occur.	48	53	55	88	47	45	Cu		Granitoid related vein/replacement Cu	3978
62		Greisen		Occur.	48	53	20	88	48	00	W	Mo	W-Mo greisen	3978
63		Unnamed		Occur.	48	52	52	88	43	00	Au		Granitoid related Au	5306
64		Tsagaan salaa /Sakhaa salaa/		Occur.	48	49	30	88	45	30	W	Bi	W(Mo) veins and stockworks	3978
65		Mukhar		Occur.	48	49	45	88	51	25	W		W(Mo) veins and stockworks	4521, 5306
66		Unnamed		Occur.	48	49	00	88	43	00	Au		Granitoid related Au	4521, 5306
67		Mogoit gol /Jashalain/		Occur.	48	44	00	88	35	00	W		W(Mo) veins and stockworks	3793
68		Khovd gol	Dep.***		48	44	50	88	51	10	W	Sb, Au	Hg-Sb-W vein and stockwork	3978, 5306
69		Khovd gol		Occur.	48	44	30	88	49	25	W		Placer W	5306
70		Unnamed		Occur.	48	43	05	88	42	49	Au		Granitoid related Au	4521, 5306
71		Aguit davaa /Ekhen aguin khotol/		Occur.	49	19	00	89	17	00	Au		Granitoid related Au	4038
72	04486	Khuren khairhan uul		Occur.	49	16	00	89	08	00	barite		Barite veins	4038
73	05061	Khargantyn uul		Occur.	49	11	20	89	58	30	Fe	Cu	Volcanogenic-sedimentary Fe	3646
74	04398, 04349	Khujirtyn khyar		Occur.	49	08	45	89	40	56	Cu, Au		Cu-Co-sulfoarsenide-sulfosalts veins	3646, 4504
75	05060	Zamtyn sair /orukt gol/		Occur.	49	05	00	89	30	00	Fe	Cu	Volcanogenic-sedimentary Fe	3033
76	04303	Ulaan khus		Occur.	49	01	57	89	31	30	Hg		Clastic sediment-hosted Hg	4038, 4504, 5306
77		Tokhoirol /unnamaed/		Occur.	49	00	00	89	45	10	Cu, Ni		Cu-Ni-(PGE) sulfide mafic-ultramafic related	4038, 4504, 5306
78		Tsagaan gol		Occur.	48	58	00	89	06	00	W	Mo	W(Mo) veins and stockworks	4521
79	02968	Usuur tolgoi		Occur.	48	58	45	89	25	48	Pb, Zn, Cu		Volcanogenic Zn-Pb-Cu massive sulfide	4521, 5306
80		Toshint uul		Occur.	48	59	10	89	42	50	Cu		Volcanogenic Cu-Zn massive sulfide (Ural type)	3646, 4038, 5306
81		Olgii		Occur.	48	55	20	89	50	39	Hg		Silica-carbonate (Iistvenite) Hg	4038, 4504, 5306
82		Olgii		Occur.	48	56	38	89	59	04	Au		Granitoid related Au	4038, 4504, 5306

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
83	02702	Dert tolgoi		Occur.	48	54	40	89	57	51	Au		Granitoid related Au	4038, 4504, 5306
84		Unnamed		Occur.	48	53	28	89	51	05	Au		Granitoid related Au	4657
85		Nariin nuruu		Occur.	48	53	00	89	47	00	W	Mo	W(Mo) veins and stockworks	4038, 4504, 5306
86		Unnamed		Occur.	48	52	45	89	55	33	Au		Granitoid related Au	4657
87	02703	Oyut /malakhit №79/		Occur.	48	48	30	89	32	30	Cu		Volcanogenic Cu-Zn massive sulfide (Ural type)	3646, 4504, 5306
88		Khaalgat		Occur.	48	47	30	89	13	56	W		W(Mo) veins and stockworks	4038, 4504, 5306
89	04350	Khaalgat		Occur.	48	47	00	89	13	00	Cu		Granitoid related vein/replacement Cu	3033
90		Khaalgat		Occur.	48	46	30	89	09	12	Au		Placer Au	5306
91	05092	Occurrence №11,12		Occur.	48	46	35	89	46	10	Au	Cu	Epithermal adularia-sericite type? Au	4454
92	05093	Occurrence №10		Occur.	48	46	15	89	43	34	Au		Epithermal adularia-sericite type? Au	4454
93	04347	Occurrence №85		Occur.	48	44	20	89	29	00	Cu		Granitoid related vein/replacement Cu	3646
94		Mushguu /mujgu/		Occur.	48	41	35	89	17	50	W		W(Mo) veins and stockworks	4521, 4973, 5306
95		Mushguu /mujgu/		Occur.	48	41	20	89	20	30	Au		Granitoid related Au	3646, 4504, 5306
96	04345	Occurrence №91		Occur.	48	42	00	89	21	00	Cu		Sandstone-hosted Cu	3646
97	04351	Occurrence №388 /occurrence №94/		Occur.	48	41	50	89	30	00	Cu	Pb	Sandstone-hosted Cu	3646
98		Khurgan nuur		Occur.	48	39	00	88	30	00	Au		Granitoid related Au	3793
99		Khurgan nuur		Occur.	48	37	00	88	25	00	W, Mo		W(Mo) veins and stockworks	4658, 5306
100	04405, 04406	Khar nuur		Occur.	48	33	30	88	51	30	Au		Granitoid related Au	4521, 5306
101		Sum dairga		Occur.	48	27	40	88	26	55	Au		Placer Au	5238
102		Sum dairga		Occur.	48	26	45	88	29	20	Au		Granitoid related Au	5238
103		Chuluut		Occur.	48	26	00	88	31	10	Au		Granitoid related Au	5238
104		Nutsgen gol		Occur.	48	24	00	88	38	00	Au		Granitoid related Au	5238
105		Mushgia shand		Occur.	48	21	10	88	44	10	Au		Granitoid related Au	5238
106		Boshgyn salaa		Occur.	48	08	55	88	58	10	Au		Placer Au	5238
107		Khavtsal gol		Occur.	48	07	20	88	53	40	Au		Placer Au	5238
108	02969	Zuun tsengel		Occur.	48	39	45	89	14	28	W		W(Mo) veins and stockworks	4521, 4658, 5306
109		Khag nuur		Occur.	48	37	00	89	24	00	Au		Granitoid related Au	4094, 4657
110		Zuun salaa		Occur.	48	36	20	89	13	30	Mo		Mo(W) veins and stockworks	4521, 5306
111	02970	Zest uul		Occur.	48	35	24	89	09	44	W		W(Mo) veins and stockworks	4521, 5306



0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
112	05063	Buyant		Occur.	48	34	15	89	36	30	Fe		Volcanogenic-sedimentary Fe	4094
113	05091	Sagsai		Occur.	48	30	32	89	28	55	Au		Granitoid related Au	4454, 4521
114	03453	Bardam gol		Occur.	48	19	40	89	22	10	Au		Granitoid related Au	4973, 5306
115		Altain		Occur.	48	18	55	89	29	40	Au		Epithermal adularia-sericite type? Au	4973, 5306
116	04619	Nomin am		Occur.	48	14	30	89	42	00	Pb, Zn	Cu	Volcanic-hosted metasomatic polymetall Pb-Zn(Cu,Au,Ag)	4094, 5306
117	03452	Ulaan uzuutiin devseg uul		Occur.	48	12	40	89	29	20	Au, Cu		Epithermal adularia-sericite type? Au	4973, 5306
118	03561, 03444	Altan salaa		Occur.*	48	10	00	89	01	30	Au		Placer Au	4973, 5306
119		Sagsai		Occur.	48	09	20	89	42	00	Au		Placer Au	4094, 5306
120	03451	Yolt		Occur.	48	08	00	89	11	30	Au		Epithermal adularia-sericite type? Au	4094,4973, 5306
121	03443	Khurimt		Occur.*	48	05	00	89	12	00	Au		Placer Au	4973, 5306
122		Sagsai	Dep.**		47	52	10	89	56	00	W		W(Mo) veins and stockworks	4094, 5306

Explanation: \*\*\*- Deposits in operation; \*\*- Deposits mined out, but there is small amount of reserves; \*- Deposits mined out; \*- Occurrences with small ancient openpits on surface.

**Mineral Deposits and Occurrences in the Sheet M-45, L-45**  
(Fuel Resources, Gemstones, Mineral Pigments, Rocks for Construction Uses)

1:200000 scale Sheet	No	Number in M-45	Passport number	Deposit and occurrence name	Dep	Occur	Location						Major Resources	Minor Resources	Mineral Resources Group	Information Sources (Open File Report number in GIC)
							Latitude			Longitude						
							deg	min	sek	deg	min	sek				
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
XXIV	1	123	02957	Tuergen gol		occur	49	55	00	89	41	00	Aleurolite /ceramsite/		Rocks for Construction Uses	4520
	2	124	02959	Aspait		occur	49	54	00	89	39	00	Aleurolite /ceramsite/		Rocks for Construction Uses	4520
	3	125	02961	Unnamed(IV-1-295s)		occur	49	32	00	89	47	00	Clay		Rocks for Construction Uses	4520
	4	126	02964	Unnamed (IV-2-296s)		occur	49	31	00	89	50	00	Clay		Rocks for Construction Uses	4520
	5	127	02963	Tsagaan nuur №257		occur	49	31	00	89	54	00	Aleurolite /ceramsite/		Rocks for Construction Uses	4520
	6	128	776	Tsagaan nuur I	dep		49	30	00	89	48	00	Clay		Rocks for Construction Uses	3235
	7	129	02965	Unnamed I-4-311		occur	49	29	00	89	45	00	Clay		Rocks for Construction Uses	4520
	8	130		Tsagaan nuur II		occur	49	26	10	89	49	00	Clay		Rocks for Construction Uses	3235
	9	131	02966	Ulaan hadat		occur	49	20	00	89	58	00	Stone, decorative (sandstone)		Rocks for Construction Uses	4520
XXX	10	132	00792	Khueiten uul		occur	49	07	15	89	53	30	Sand		Rocks for Construction Uses	3200
	11	133		Occurrence №55		occur	49	05	00	89	25	00	Sand and gravel		Rocks for Construction Uses	3646
	12	134		Occurrence №113-1		occur	48	58	30	89	09	00	Stone Crushed (sandstone)		Rocks for Construction Uses	4521
	13	135		Occurrence №137-1		occur	48	56	51	89	24	31	Limestone (for lime)		Rocks for Construction Uses	4521
	14	136		Bayan-Olgii	Dep*		48	58	00	89	58	30	Loam		Rocks for Construction Uses	1674, 3646, 4504
	15	137		Bayan-Olgii	Dep		48	58	00	89	58	30	Sand and gravel		Rocks for Construction Uses	1674, 3646, 4504

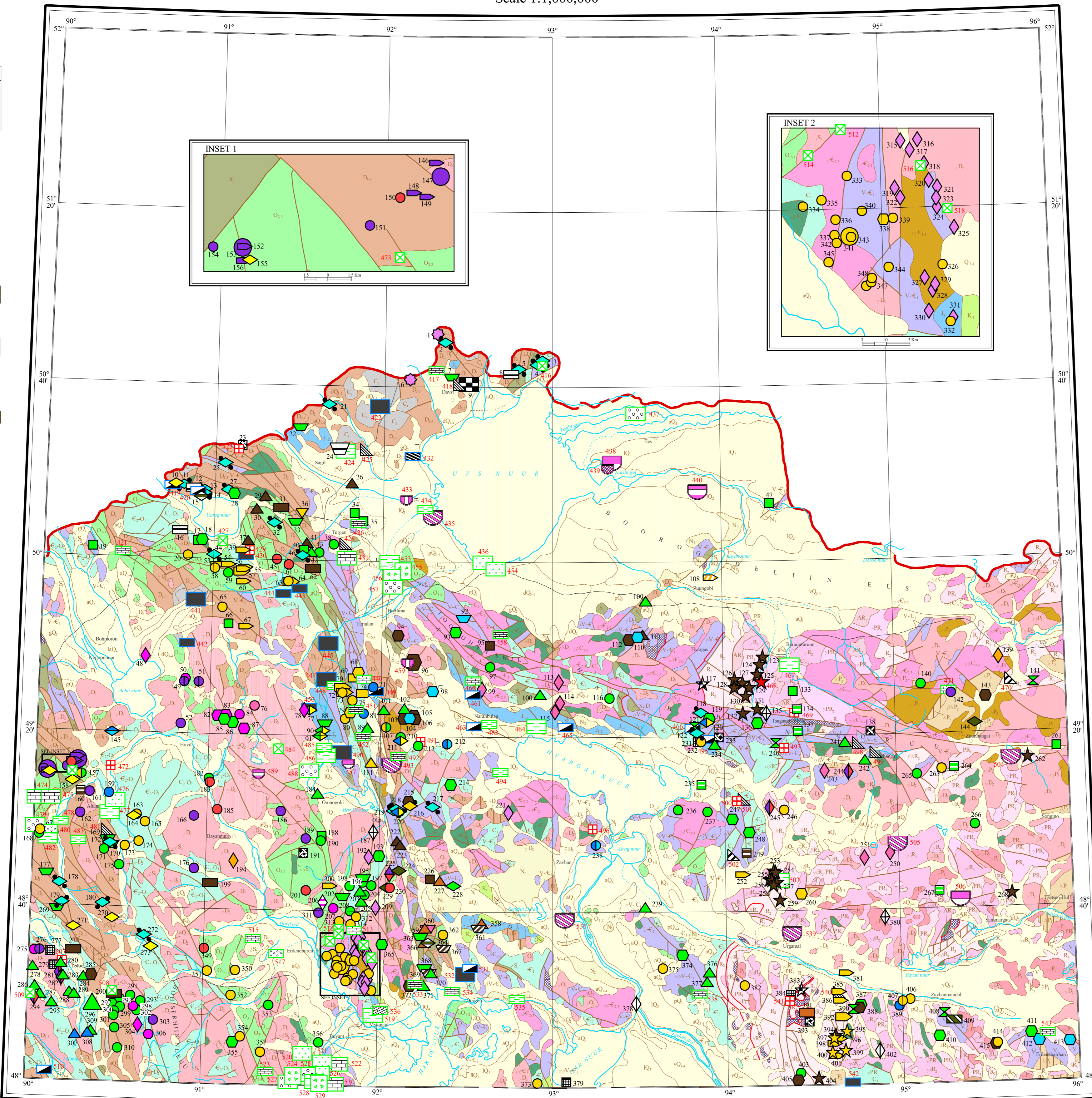
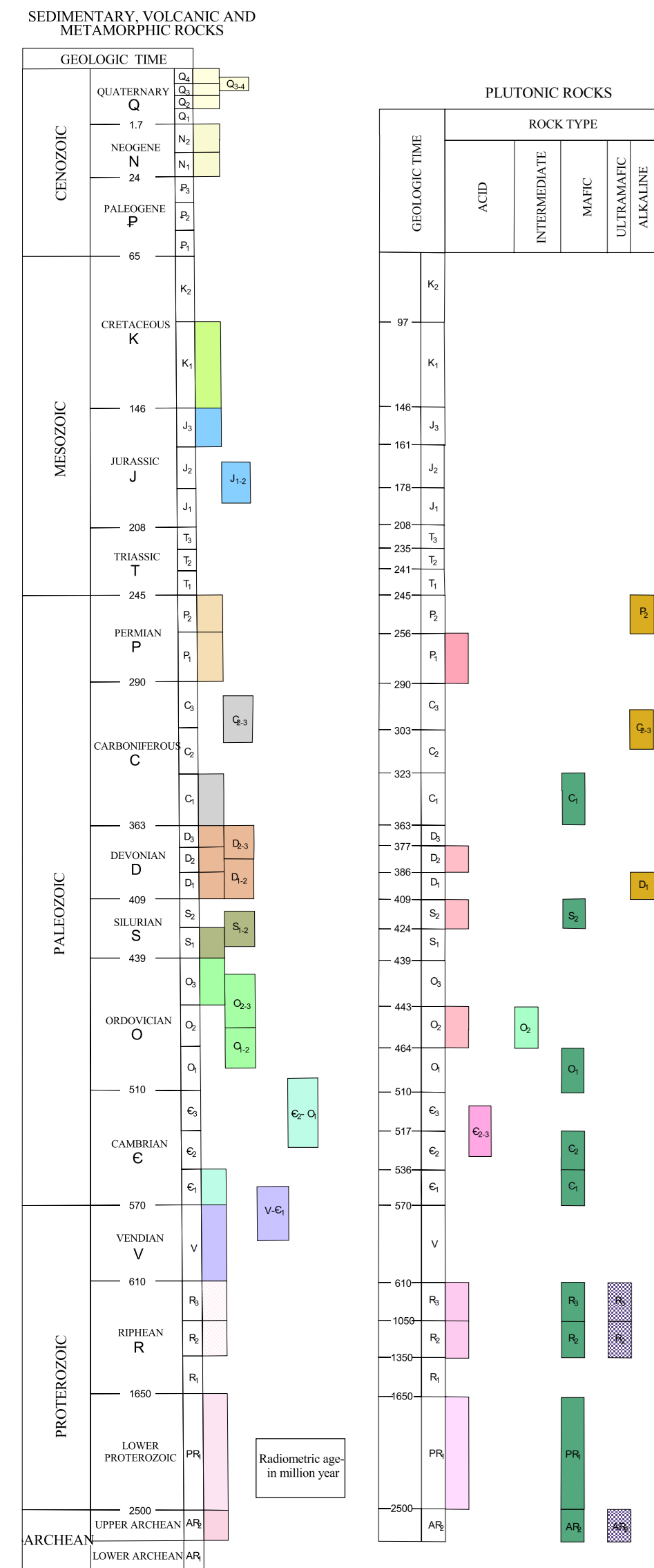
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	16	138	837	Boehon uul /Bukhen uul/	Dep		48	55	20	89	57	20	Stone, crushed (basalt)		Rocks for Construction Uses	1674, 3219, 4504
XXX	17	139	02701	Olgii (№50)		occur	48	55	00	89	52	00	Limestone (for lime)		Rocks for Construction Uses	4504
	18	140	995, 1065	Boeht	Dep		48	53	30	89	52	32	Stone, crushed (granite)		Rocks for Construction Uses	3219
	19	141	775	Khag	Dep*		48	50	00	89	59	20	Clay		Rocks for Construction Uses	3235
	20	142	02704	Khunt nuur	Dep		48	47	00	89	57	00	Listvenite		Gemstone	4504
XXXV	21	143		Occurrence №294-1		occur	48	35	40	88	53	34	Sand and gravel		Rocks for Construction Uses	4521
	22	144		Khamar tolgoi		occur	48	33	30	88	28	20	Gravel /ceramsite, cement/		Rocks for Construction Uses	5238
	23	145		Dayan		occur**	48	17	00	88	52	30	Gravel /ceramsite, cement/		Rocks for Construction Uses	5238
XXXVI	24	146	03565	Buyant		occur	48	34	00	89	35	00	Hard coal		Fuel Resources	3032
	25	147		Alag tolgoi oiroltsooh	Dep		48	33	00	89	35	56	Colored clay pegments		Mineral Pigments	3584
	26	148	862	Alag tolgoi		occur	48	32	09	89	36	36	Colored clay pegments		Mineral Pigments	3584
	27	149	698	Buyant /Bulnai/	Dep**		48	31	00	89	35	00	Colored clay pegments		Mineral Pigments	3584
	28	150		Chigertei		occur	48	16	40	89	29	50	Sand and gravel		Rocks for Construction Uses	4973
	29	151		Yamaat		occur	48	04	20	89	04	30	Stone, decorative (granite)		Rocks for Construction Uses	4973

Explanation Dep\* - Deposit is exploited  
 Dep\*\* - Deposit has been exploited, but there are estimated Reserves  
 Occur\*\* - Occurrence without estimated reserves, but is exploited from the Surface  
 Passport No: 781 - Deposit passport  
 00562 - occurrence passport

# MINERAL DEPOSITS AND OCCURRENCES OF MONGOLIA

M-46  
 Scale 1:1,000,000

## LEGEND FOR GEOLOGY



## LEGEND

M-46

### A. Metals, Asbestos, Talc, Graphite, Fluorspar, Gypsum, Phosphate, Stone Halite, Optical Quartz, Mica

Deposit type	Deposit	Occurrence
<b>1. Deposits related to Mafic and Ultramafic Rocks</b>		
1 Zoned mafic-ultramafic Ti-Fe		■
2 Magmatic podiform Cr		■
3 Cu-Ni-(PGE) sulfide mafic-ultramafic related		■
4 Gabbroic Cu-Ni-(PGE)		■
5 Serpentine-hosted asbestos		■
6 Ultramafic-hosted talc metasomatite		■
<b>2. Deposits Related to Marine Felsic-Mafic Extrusive Rocks</b>		
7 Volcanogenic Cu-Zn massive sulfide (Ural type)	▲	▲
8 Volcanogenic Zn-Pb-Cu (Ag, Au, Cd, Sn, Sb, Bi, barite) massive sulfide (Kuroko, Ore Altai type)	▲	▲
9 Volcanogenic - sedimentary Fe	▲	▲
10 Volcanogenic - sedimentary Mn	▲	▲
11 Volcanic-associated massive sulfide Au	▲	▲
<b>3. Deposits related to Subaerial Extrusive Rocks and Dyke Complexes</b>		
12 Epithermal adularia-sericite type Au	▲	▲
13 Epithermal vein/replacement fluorite	▲	▲
14 Barite veins	▲	▲
15 Volcanic-hosted metasomatic polymetal Pb-Zn(Cu, Au, Ag)	▲	▲
16 Co - sulfarsenide veins	▲	▲
17 Cu - Co - sulfarsenide-sulfosalts veins	▲	▲
18 Epithermal replacement Cu - Ag	▲	▲
19 Sb - Bi - Ag veins	▲	▲
20 Pb - Sb - Ag veins	▲	▲
21 Basaltic Cu	▲	▲
<b>4. Stratiform and Stratabound Deposits in sedimentary rocks</b>		
22 Sedimentary-exhalative (SEDEX) Pb-Zn	▲	▲
23 Sedimentary stratiform V <sub>2</sub> O <sub>5</sub> (U-V)	▲	▲
24 Sandstone - hosted Cu	▲	▲
25 Sandstone - hosted U	▲	▲
26 Sedimentary - exhalative gypsum	▲	▲
<b>5. Deposits related to Calc-Alkaline and Alkaline Granitic Intrusions</b>		
<b>5.1. Pegmatite, Greisen and Alkaline metasomatic Deposits</b>		
27 Sn pegmatite	▲	▲
28 Muscovite pegmatite	▲	▲
29 Miarolite and abyssal pegmatite	▲	▲
30 W - Mo - Be greisen	▲	▲
31 W - Mo greisen	▲	▲
32 W - Sn greisen	▲	▲

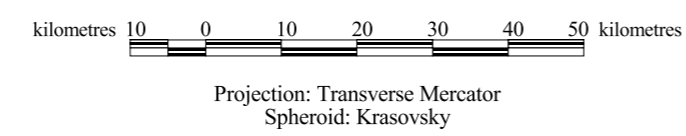
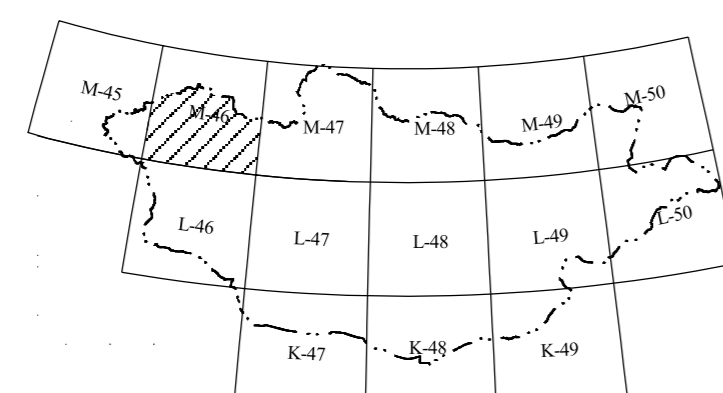
Deposit type	Deposit	Occurrence
33 Nb(Ta) - Zr - REE alkaline metasomatites	▲	▲
34 Th(U) - Nb - Zr (REE) alkaline metasomatites	▲	▲
35 Ta - Nb - REE alkaline metasomatites	▲	▲
<b>5.2. Skarn deposits</b>		
36 Fe(Cu, Au, W, Sn) skarn	▲	▲
37 Fe - Zn skarn	▲	▲
38 Cu(Fe, Au, Ag, Mo) skarn	▲	▲
39 Sn (Fe) skarn	▲	▲
40 Au (Cu, Ag, Fe) skarn	▲	▲
<b>5.3. Porphyry and Granitic Pluton-hosted Deposits</b>		
41 Porphyry Cu (Au, Ag)	▲	▲
<b>5.4. Granitoid Related vein, stockwork, metasomatite deposits</b>		
42 Granitoid related Au	▲	▲
43 Granitoid related Au-Ag-Cu	▲	▲
44 Granitoid related stockwork metasomatite Cu	▲	▲
45 W(Mo) veins and stockworks	▲	▲
46 Mo(W) veins and stockworks	▲	▲
47 Sn(W) veins	▲	▲
48 W (Sn) veins	▲	▲
49 Vein/replacement Ag - Pb - Zn	▲	▲
50 Vein/replacement Pb - Zn	▲	▲
51 Granitoid related U	▲	▲
<b>6. Deposits Related to Alkaline Magmatic Rocks</b>		
52 REE carbonatite	▲	▲
<b>7. Sedimentary Mineral Deposits</b>		
53 Sedimentary Fe (Mn)	▲	▲
54 Sedimentary Mn (Fe)	▲	▲
55 Sedimentary phosphate	▲	▲
56 Sedimentary gypsum	▲	▲
57 Sedimentary halite	▲	▲
<b>8. Deposits Related to Metamorphosed Rocks</b>		
58 Banded iron formation (BIF)	▲	▲
59 Quartz - (carbonate) vein Au	▲	▲
60 Metamorphic graphite	▲	▲
<b>9. Deposits related to Surficial Process</b>		
61 Placer Au	▲	▲
62 Placer W	▲	▲
63 Placer PGE	▲	▲
64 Palaeoplacer Au	▲	▲

### B. Fuel Resources, Gemstones, Industrial Diamond, Continental Lake Evaporates, Sulfur Resources, Mineral Pigments, Minerals and Rocks for Construction Uses

Mineral Resources	Mineral Deposit	Occurrence
<b>1. Fuel Resources</b>		
1 Peat, turf		■
2 Brown coal		■
3 Hard coal		■
<b>2. Gemstones</b>		
4 Jasper, Serpentine, Agalmatolite, Lazurite		■
<b>3. Technical Minerals</b>		
5 Industrial Diamond		★
<b>4. Continental lake evaporates</b>		
6 Salt or Halite	■	■
7 Halite and Sodium Sulfate Resources	■	■
8 Sodium Sulfate Resources	■	■

Mineral Resources	Mineral Deposit	Occurrence
9 Soda Ash	■	■
<b>5. Mineral Pigments</b>		
10 Pigments, different colored clays	■	■
<b>6. Sulfur Resources</b>		
11 Sulfur	■	■
<b>7. Minerals and Rocks for Construction uses: Aggregates, Lightweight Aggregates, Stone, Crushed; Decorative stones, Cement Row Materials</b>		
12 Clays and loam	■	■
13 Sand	■	■
14 Sand and gravel	■	■
15 Limestone	■	■
16 Marl	■	■
17 Decorative stones	■	■
18 Crushed stones, Building stones, Dimension stones	■	■

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Mineral deposits and occurrences compiled from Open File Reports of the Geological Information Center of MRAM, by **Namsrajavyn Oyuntuya**

Digital cartography by Myangaagin Erdenetsereg; Geological Information Center, MRAM.

Geology from Geological Map of Mongolia at scale 1:1,000,000 compiled in 1999 by: G. Badarch, Ts. Makhbador, D. Orolman, P. Khosbajar, O. Tomontogoo; Institute of Geology and Mineral Resources, Academy of Sciences of the Mongolia.

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**Metals & Industrial Minerals Deposits & Occurrences in the Sheet M-46**  
*Compiled by Namsrajavyn Oyuntuya*

Number in the M-46 sheet	Passport number in GIC	Deposit and occurrence name	Dep.	Occur.	Location						Major commodity	Minor commodity	Deposit type	Data source: Open File Report number in GIC, Mongolia
					Latitude			Longitude						
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	00542	Teeliin gol		Occur.	50	52	00	92	19	05	Fe		REE carbonatite	4477, 3033
2	00556	Boort		Occur.	50	50	05	92	21	45	Cu		Cu-Co-sulfoarsenide-sulfosalts veins	4477
3	00566	Tsakhir uul		Occur.	50	45	50	92	56	45	Cu		Cu-Co-sulfoarsenide-sulfosalts veins	4477
4	00528	Khatuu gol		Occur.	50	45	00	92	55	00	Cu		Cu-Co-sulfoarsenide-sulfosalts veins	4477
5	00525	Orgoo uul* /Orguudag, orguu uul/		Occur.	50	44	00	92	48	00	Cu		Cu-Co-sulfoarsenide-sulfosalts veins	4477
6	00553	Khandgait		Occur.	50	41	30	92	09	10	Fe, TR		REE carbonatite	4477
7	00557	Bulgiin shiver		Occur.	50	42	00	92	24	00	Cu		Sandstone-hosted Cu	4477
8	00548	Unnamed /2-12-220/		Occur.	50	42	40	92	44	55	gypsum		Sedimentary gypsum	4477
9	00861	Shuden uul	Dep.***		50	40	30	92	30	00	halite		Sedimentary halite	3303, 3163, 4477
10		Mergen bulag		Occur.	50	17	00	90	46	00	Ag, Cu, Bi	Zn, Pb, Hg	Sb-Bi-Ag veins	4477
11	00567	Mergen bulag /Khajuu, ckolnoviie/		Occur.	50	16	40	90	49	00	Co		Co-sulfoarsenide veins	4013, 5306
12	00547	Bor shivee		Occur.	50	16	00	90	52	00	gypsum		Sedimentary gypsum	4477
13	00554	Dorvoljin bulag		Occur.	50	15	30	90	56	15	Cu		Cu-Co-sulfoarsenide-sulfosalts veins	4477, 5306
14	00541	Khreetiin davaa		Occur.	50	15	00	90	56	00	Cu, Co, Ag		Cu-Co-sulfoarsenide-sulfosalts veins	4477, 5306
15	00570	Unnamed /V-4-55/		Occur.	50	14	40	90	55	20	barite		Barite veins	4038, 4477
16	00563	Unnamed /2-4-33/		Occur.	50	06	00	90	48	00	gypsum		Sedimentary gypsum	4477
17	03450	Nariin salaa bulag		Occur.	50	04	00	90	54	00	Cu	Ni	Gabbroic Cu-Ni-(PGE)	2081, 5306
18	04273, 00538	Uureg nuur		Occur.	50	04	13	90	56	00	Cu		Cu skarn	606, 1684, 5013, 5306
19	00555	Shar khargain gol		Occur.	50	02	00	90	17	00	Cu		Gabbroic Cu-Ni-(PGE)	4477, 5306
20	03449	Bor malgai uul		Occur.	50	00	35	90	50	57	Au		Granitoid related Au	4236, 5306
21	00534	Borshoon gol		Occur.	50	35	40	91	40	20	Cu		Cu-Co-sulfoarsenide-sulfosalts veins	4477
22	05842	Baruun termis uul		Occur.	50	30	00	91	30	00	Cu		Sandstone-hosted Cu	606, 1684
23	00569	Ikh tsagaan del uul		Occur.	50	25	45	91	09	05	asbestos		Serpentine-hosted asbestos	4477

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
24		Baruun tserd	Dep.**		50	25	40	91	44	23	gypsum		Sedimentary-exhalative gypsum	2650, 3303, 4477
25	00537	lkh khujirt		Occur.	50	21	45	91	03	40	Cu		Cu-Co-sulfoarsenide-sulfosalts veins	4477, 5306
26	00558	Sudgiin shil /suugiin shil/		Occur.	50	17	35	91	48	40	Fe		Volcanogenic-sedimentary Fe	4477
27		Khoit uureg		Occur.	50	15	40	91	05	00	Cu		Cu-Co-sulfoarsenide-sulfosalts veins	4477, 5306
28		Uureg nuur		Occur.	50	15	00	91	07	00	Cu		Cu skarn	606, 1684
29	00544	Tsagduul gol		Occur.	50	14	30	91	17	50	Fe		Volcanogenic-sedimentary Fe	4477
30	00543	Tsagduul uul		Occur.	50	11	30	91	15	00	Fe		Volcanogenic-sedimentary Fe	4477
31		Khair sa		Occur.	50	11	50	91	23	30	Fe		Sedimentary Fe(Mn)	4477
32		Khomruu uul		Occur.	50	08	20	91	21	35	Cu		Cu-Co-sulfoarsenide-sulfosalts veins	4477, 5306
33	00531	Baruun turag uul		Occur.	50	08	40	91	28	45	Cu		Sandstone-hosted Cu	4477, 5306
34	00527	Khondlon adar		Occur.	50	10	50	91	49	50	Cu		Gabbroic Cu-Ni-(PGE)	4477, 5306
35		Khondlon adarga		Occur.	50	09	00	91	52	50	Cu		Gabbroic Cu-Ni-(PGE)	4477, 5306
36		Ulaan davaa		Occur.	50	10	40	91	31	10	Au		Paleoplacer Au	5306
37		Zuun orog nuur		Occur.	50	04	00	91	12	00	Fe		Volcanogenic-sedimentary Fe	4477
38	00535	Altash		Occur.	50	03	45	91	42	40	Cu		Granitoid related vein/replacement Cu	4477, 5306
39	00530	Khokh del		Occur.	50	02	00	91	11	00	Au		Placer Au	4477, 5306
40	00532	Khoit zestiin shil		Occur.	50	02	10	91	32	00	Cu		Gabbroic Cu-Ni-(PGE)	4477, 5306
41		Khiimori		Occur.	50	03	55	91	32	55	Fe		Volcanogenic-sedimentary Fe	4944
42	00533	Zest uul		Occur.	50	01	50	91	34	40	Cu		Volcanogenic Cu-Zn massive sulfide (Ural type)	4477, 5306
43	00526	Tsunheg		Occur.	50	01	50	91	37	30	Cu		Granitoid related vein/replacement Cu	4477, 5306
44	00540, 05741	Khurmen khadny oroi		Occur.	50	00	50	91	00	20	Cu		Cu-Co-sulfoarsenide-sulfosalts veins	4477, 5306
45	00552, 00205	Khondlon 2 /ulan ereg/		Occur.	50	00	20	91	22	30	Mo		Mo(W) veins and stockworks	4038, 4477, 5306
46	05879	Del uul		Occur.	50	01	00	91	32	00	Cu		Cu-Co-sulfoarsenide-sulfosalts veins	3303, 4477, 5306
47	05702	Sort tolgoi		Occur.	50	13	00	94	17	00	Ni		Gabbroic Cu-Ni-(PGE)	3037
48	02979	Tasarhai		Occur.	49	37	30	90	37	13	Sn	Cu, Ag	W-Sn greisen	4506, 5306
49	05715	Achit nuur		Occur.	49	32	36	90	51	36	W	Be, Sn	W(Sn) veins	3575, 4506, 5306
50		Toson bulag		Occur.	49	32	34	90	51	36	Sn	Nb	Sn(W) veins	4506, 5306
51	05713	Shar ukhaa		Occur.	49	31	47	90	55	59	W	Sn	W(Sn) veins	3575, 4506, 5306
52	05714	Unnamed №65-1		Occur.	49	22	00	90	50	00	W		W(Mo) veins and stockworks	3033

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
53	03075, 01718, 03272	Baadain am		Occur.	49	58	35	91	01	33	Au		Placer Au	5013, 5306
54	04058	Burgasyn gol		Occur.	49	58	35	91	05	20	Au		Placer Au	5013, 5306
55	04059	Ikh olontin zuun salaa		Occur.	49	57	35	91	10	10	Au		Placer Au	4477, 5013, 5306
56		Tsatsag uul		Occur.	49	57	58	91	11	12	Au		Placer Au	4944
57		Ikh olont	Dep.***		49	57	10	91	10	00	Au		Placer Au	5013, 5306
58	03118	Baadain am		Occur.	49	57	44	91	00	45	Au	Ni, Pt	Granitoid related Au	4944, 5013, 5306
59		Bairam		Occur.	49	57	00	91	05	40	Cu	Ag	Granitoid related vein Cu	5306
60	01041	Khokhoon am		Occur.	49	54	45	91	10	30	Au		Placer Au	4944
61	05728	Khondlon 1		Occur.	49	59	00	91	27	00	Mo	TR	Mo(W) veins and stockworks	4038
62	04443	Occurrence №25		Occur.	49	58	00	91	35	00	Fe		Sedimentary Fe(Mn)	2082
63		Ulaan nachin		Occur.	49	55	10	91	27	20	Au		Granitoid related Au	4944, 5306
64		Ulaan nachin	Dep.***		49	55	00	91	27	30	Au	Pt	Placer Au	4944, 5306
65	03138	Emeelt		Occur.	49	48	53	91	03	30	Au		Granitoid related Au	4944
66	03256	Eljgen uul		Occur.	49	45	00	91	05	50	Ni	Au, Pt	Gabbroic Cu-Ni-(PGE)	4944
67	01185	Eljgen gol		Occur.	49	44	30	91	12	00	Au		Placer Au	4944
68	05177	Meeren /Yolochka/		Occur.	49	34	25	91	52	00	Au	Cu	Au skarn	2740, 4038, 4506, 5306
69	00247	Zaisan salaa /pyramoi/	Dep.***		49	33	25	91	51	25	Au		Placer Au	2740, 3539, 4506, 5306
70	00246	Talyn salaa	Dep.***		49	31	10	91	46	30	Au		Placer Au	2740, 3539, 4506, 5306
71		Unnamed		Occur.	49	31	17	91	57	27	Pb, Zn	Cu	Granitoid related vein/replacement Pb-Zn	4656
72		Talyn salaa /Zuun namir/		Occur.	49	30	03	91	46	30	Au		Granitoid related Au	4506, 5306
73	03546	Khorhoityn zaag	Dep.		49	29	53	91	47	15	Au		Placer Au	2740, 3291, 3539, 4506, 5306
74	00248	Burgastain gol	Dep.***		49	29	45	91	54	10	Au	Pt	Placer Au	2740, 3539, 4506, 5306
75		Epidotyln		Occur.	49	28	00	91	50	00	Au		Granitoid related Au	4506
76	02974	Goojuur /№244/		Occur.	49	26	30	91	16	02	U		Granitoid related U	4506
77		Khargait		Occur.	49	25	52	91	34	50	Cu	Au, Ag	Epithermal replacement Cu-Ag	2740, 3291, 4038, 4506, 5306
78	05738	Unnamed П-1-8		Occur.	49	26	00	91	33	00	Sn		W-Sn greisen	2740
79	03545	Khagarlyn /razlomniie/		Occur.	49	25	10	91	49	16	Au, Cu		Au skarn	2740, 3291, 4038, 4506, 5306
80		Khagshar bulag		Occur.	49	24	00	91	47	45	Au		Granitoid related Au	4506, 5306

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
81		Unnamed		Occur.	49	25	07	91	54	00	Pb, Zn	Cu	Granitoid related vein/replacement Pb-Zn	4656
82	05739	Daltyn khudag		Occur.	49	24	07	91	03	19	Sn	Cu, Pb, Ag	Sn skarn	3575, 4038, 4506, 5306
83		Bituugiin zurkh		Occur.	49	24	09	91	05	50	Sn	Cu, Pb, Zn	Sn skarn	4506, 5306
84		Shiver		Occur.	49	24	37	91	10	29	Sn	Bi, Cu, Pb, Be, Mo	Sn veins	4038, 4504, 5306
85	02975	Altan		Occur.	49	23	34	91	05	40	Cu, Pb, Zn	Au, Ag, Bi	Cu skarn	4506, 5306
86	02976	Unnamed /occurrence 163/		Occur.	49	22	46	91	08	21	Cu, Pb, Zn	Ag, Bi	Cu skarn	4506, 5306
87		Otor uul		Occur.	49	21	19	91	12	29	Sn	Cu, Ag, Zn	Sn skarn	1684, 3539, 3575, 4506, 5306
88		Namiriin gol /kopolyn/		Occur.	49	22	40	91	40	20	Cu		Sandstone-hosted Cu	2740, 4506, 5306
89	02678	Occurrence 1-2-11		Occur.	49	21	33	91	55	10	Cu	Zn, Pb	Volcanogenic Cu-Zn massive sulfide (Ural type)	2740
90		Namir		Occur.	49	21	13	91	39	50	Cu	Ag, Zn, Sn	Epithermal replacement Cu-Ag	618, 2740, 3291, 4506, 5306
91	02978	Occurrence №429		Occur.	49	20	00	91	39	00	Cu		Epithermal replacement Cu-Ag	4506
92	05744	Unnamed		Occur.	49	47	00	92	29	00	Zn		Sedimentary-exhalative (SEDEX) Pb-Zn	627
93	05861	Occurrence №37		Occur.	49	44	00	92	26	00	Cu		Cu skarn	3301
94	04447	Khongor uul gol /occurrence №26/		Occur.	49	43	00	92	06	00	Fe		Fe skarn	2082, 3303
95		Turuun gol		Occur.	49	40	50	92	38	00	Fe	Ti	Zoned mafic-ultramafic Ti-Fe	3303
96	3-34	Khatganat	Dep.		49	37	00	92	11	25	Fe		Fe skarn	2740, 3303, 5098
97	05847	Occurrence 1-5-1		Occur.	49	36	00	92	38	25	Cu		Granitoid related vein/replacement Cu	2740
98		Unnamed /1-4-2/		Occur.	49	30	30	92	18	00	Zn		Fe-Zn skarn	2740
99	05707	Khashaатын khar		Occur.	49	31	02	92	35	36	Zr	Nb, Th	Th(U)-Nb-Zr(REE) alkaline metasomatites	4289, 4659
100	03024	Occurrence 2-6-1		Occur.	49	29	47	92	55	42	Cu		Volcanogenic Cu-Zn massive sulfide (Ural type)	2740, 3303
101	05850	Occurrence №2		Occur.	49	26	00	92	01	00	Cu		Volcanogenic Cu-Zn massive sulfide (Ural type)	3291
102	02693	Occurrence 2-3-1		Occur.	49	26	20	92	08	20	Cu		Volcanogenic Cu-Zn massive sulfide (Ural type)	2740, 3291, 3303
103		Gashuun khar uul		Occur.	49	24	00	92	08	00	Fe		Fe skarn	3291
104		Unnamed		Occur.	49	24	15	92	10	00	Zn, Fe	Mo, Pb	Fe-Zn skarn	4656
105	01717	Nariin khar		Occur.	49	24	30	92	11	35	Fe	Cu	Fe skarn	2472, 2740, 2861, 3291
106	01617	Khar		Occur.	49	24	00	92	12	00	Fe		Fe skarn	2861
107		Shibeen gol		Occur.	49	22	00	92	02	00	Au		Granitoid related Au-Ag-Cu	2740, 3291
108		Bayan nuur		Occur.	49	56	00	93	56	00	Pt		Placer PGE	4812



0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
109	05851	Khadarga		Occur.	49	51	00	93	33	00	Cu		Volcanogenic Cu-Zn massive sulfide (Ural type)	2082
110	05748	Unnamed		Occur.	49	43	00	93	30	00	Zn		Fe-Zn skarn	627
111		Demberel uul		Occur.	49	43	00	93	32	00	Fe		Volcanogenic-sedimentary Fe	3303
112	04436	Tsagaan tolgoi		Occur.	49	42	00	93	27	00	Fe		Fe skarn	2082
113	00267	Khagiin ulaan		Occur.	49	32	38	93	02	29	Nb	Ta, Th	Th(U)-Nb-Zr(REE) alkaline metasomatites	4405
114	05708, 00266	Buural		Occur.	49	28	00	93	03	00	Nb, Zr	Th	Th(U)-Nb-Zr(REE) alkaline metasomatites	4289, 4405
115	05709	Ulaan tolgoi		Occur.	49	26	00	93	01	00	Ta, Nb	Th	Th(U)-Nb-Zr(REE) alkaline metasomatites	4364
116		Khani bulag		Occur.	49	28	55	93	20	04	Cu		Granitoid related vein/replacement Cu	2740, 3303, 4496
117	04478	Khyargas		Occur.	49	32	00	93	53	00	graphite		Metamorphic graphite	2740, 4496
118	05854	Icheetiin gol		Occur.	49	25	20	93	52	15	Cu		Cu-Co-sulfoarsenide-sulfosalts veins	1684, 3301
119		Arvangurav		Occur.	49	24	00	93	55	00	Cu	Zn	Cu skarn	3301
120		Takhia naryn khar		Occur.	49	23	00	93	54	00	Pb, Zn	Cu, As, Sb, Ag, Cd	Pb-Sb-Ag veins	3301, 4496
121	05853	Morinchuluut		Occur.	49	22	00	93	50	00	Cu	Cu	Porphyry Cu(Au, Ag)	3301
122		Tsamdain tsakhir uul		Occur.	49	20	40	93	51	00	Cu	Ag, Zn, Sb, As	Cu-Co-sulfoarsenide-sulfosalts veins	3303, 3576, 4496
123		Tsagaan khairhany group occurrence		Occur.	49	38	00	94	14	00	Fe		Banded iron formation (BIF)	2330
124		Tsagaan khairhany group occurrence		Occur.	49	36	00	94	13	00	Fe		Banded iron formation (BIF)	2330
125		Tsagaan khairhany group occurrence		Occur.	49	34	00	94	12	00	Fe		Banded iron formation (BIF)	2330
126		Tsagaan khairhany group occurrence		Occur.	49	33	00	94	04	00	Fe		Banded iron formation (BIF)	2330
127		Tsagaan khairhany group occurrence		Occur.	49	32	00	94	07	00	Fe		Banded iron formation (BIF)	2330
128		Tsagaan khairhany group occurrence		Occur.	49	31	00	94	04	00	Fe		Banded iron formation (BIF)	2330
129		Tsagaan khairhany group occurrence		Occur.	49	31	00	94	09	00	Fe		Banded iron formation (BIF)	2330
130		Tsagaan khairhany group occurrence		Occur.	49	29	00	94	08	00	Fe		Banded iron formation (BIF)	2330
131		Tsagaan khairhany group occurrence		Occur.	49	26	00	94	12	00	Fe		Banded iron formation (BIF)	2330
132		Tomor chuluut		Occur.	49	25	00	94	07	00	Fe		Banded iron formation (BIF)	2330, 3301
133		Shatyn gol		Occur.	49	30	07	94	24	05	Cu		Gabbroic Cu-Ni-(PGE)	2330
134		Khyaryn nuur		Occur.	49	26	00	94	26	00	Cu	Ni, V, Zn, Ag	Cu-Ni-(PGE) sulfide mafic-ultramafic related	2330
135	04508	Ulaan khad		Occur.	49	25	00	94	15	00	morion		Miarolitic and abyssal pegmatite	2082
136		Khachig		Occur.	49	23	00	94	12	00	Cu		Cu skarn	2330, 3301
137	05704	Jargalant /№54/		Occur.	49	21	00	94	26	00	Ni		Cu-Ni-(PGE) sulfide mafic-ultramafic related	2330

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
138		104-B-3		Occur.	49	20	30	94	51	10	asbestos		Serpentine-hosted asbestos	4580
139	05710	Zuun doon uul		Occur.	49	37	00	95	37	00	Ta, Nb		Ta-Nb-REE alkaline metasomatites	3037
140		Khojuult		Occur.	49	31	14	95	09	20	Cu		Granitoid related vein/replacement Cu	2330
141		Tesiin oyut		Occur.	49	31	00	95	49	00	Cu		Porphyry Cu(Au, Ag)	2975, 3592
142	05716	Bayan ovoo		Occur.	49	29	00	95	20	00	W		W(Mo) veins and stockworks	2330
143		Olongiin khudag		Occur.	49	28	00	95	32	00	Fe	Zn, Cu	Fe skarn	3592
144	04493	Baruun dun uul		Occur.	49	22	00	95	28	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	2330, 2869
145	03628	Dulaan khar uul		Occur.	49	19	40	90	26	20	Pb, Zn	Au	Volcanic-hosted metasomatic polymetall Pb-Zn(Cu,Au,Ag)	4038, 4289, 5306
146	02982	Khoit jalga /verhnyi shirokii/		Occur.	49	13	52	90	14	15	W		Placer W	4520, 5306
147	009	Ulaan uul	Dep.		49	13	27	90	14	32	W		W(Mo) veins and stockworks	2854, 3155, 3879, 4520, 5306
148	02983	Baruun jalga /nijnyi shirokii/		Occur.	49	12	50	90	13	10	W		Placer W	4520, 5306
149	02984	Salaalag /Ulaan uul, vetvistii/		Occur.	49	12	42	90	13	50	W		Placer W	4520, 5306
150	05730	Molibdenii shokverk		Occur.	49	12	40	90	12	30	Mo		Mo(W) veins and stockworks	3579, 5306
151	05293, 05723, 05722	Buraat /zapadnii/		Occur.	49	11	40	90	10	55	W, Mo		W(Mo) veins and stockworks	2344, 3579, 5306
152	02986	Tsunkheg		Occur.	49	10	45	90	04	22	W		Placer W	4520, 5306
153		Tsunheg	Dep.		49	10	45	90	04	20	W		W(Mo) veins and stockworks	3579, 4520, 5306
154		Tsunheg 2		Occur.	49	10	44	90	02	49	W		W(Mo) veins and stockworks	3579, 4520, 5306
155		Tsunheg /occurrence №428/		Occur.	49	10	20	90	04	45	Ag		Sb-Bi-Ag veins	4520, 5306
156	02988	Omnot		Occur.	49	10	17	90	04	21	W		Placer W	4520, 5306
157	02989	Emeelt 1		Occur.	49	10	00	90	16	00	Au, Cu		Granitoid related Au-Ag-Cu	4520, 5306
158	02990	Emeelt /occurrence 476/		Occur.	49	08	25	90	12	55	Ag	Cu, Sb, As	Sb-Bi-Ag veins	4520, 5306
159		Unnamed		Occur.	49	06	02	90	26	00	Pb, Zn		Granitoid related vein/replacement Pb-Zn	4656
160	04586	Occurrence №23		Occur.	49	06	00	90	16	00	Cr		Magmatic podiform Cr	3155
161	05720	Unnamed №24		Occur.	49	06	00	90	19	00	W		W(Mo) veins and stockworks	3155
162	05721	Unnamed №103		Occur.	49	01	00	90	16	00	W		W(Mo) veins and stockworks	3033
163	02705	Yamaat		Occur.	49	00	55	90	35	20	Au		Granitoid related Au	4504, 5306
164		Unnamed		Occur.	49	00	30	90	34	30	Ag		Sb-Bi-Ag veins	4038, 4504, 5306
165	02706	Khoo		Occur.	48	59	30	90	38	50	Au		Granitoid related Au	4504, 5306
166		Salhityn khotol		Occur.	49	01	10	90	55	30	W		W(Mo) veins and stockworks	4038, 4454, 5306

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
167	02707	Ovgor		Occur.	48	56	37	90	02	13	Au		Granitoid related Au	4504, 5306
168	04361	Occurrence №34		Occur.	48	56	00	90	02	00	Cu		Granitoid related vein/replacement Cu	3155
169	04360	Unnamed №424		Occur.	48	55	00	90	26	00	Cu		Sandstone-hosted Cu	4038
170	04359	Occurrence №46		Occur.	48	54	00	90	27	00	Cu		Sandstone-hosted Cu	3155
171	05855	Occurrence №173		Occur.	48	53	00	90	25	00	Cu		Granitoid related vein/replacement Cu	3033
172	02710	Altan tsogts		Occur.	48	54	24	90	26	56	Cu	Au, Ag	Cu-Co-sulfoarsenide-sulfosalts veins	4504, 5306
173	02708	Khabtsal		Occur.	48	54	00	90	32	00	Au	Au	Granitoid related Au	4504
174		Unnamed		Occur.	48	54	58	90	36	55	Au	Cu	Granitoid related Au	4038, 4504, 5306
175	04354	Unnamed		Occur.	48	49	30	90	30	00	Cu		Granitoid related vein/replacement Cu	3155, 4504, 5306
176	05717	Zuun khudag		Occur.	48	49	00	90	56	00	W		W(Mo) veins and stockworks	3575
177	04356	Occurrence №56		Occur.	48	47	00	90	05	00	Cu		Sandstone-hosted Cu	3155
178	04357	Occurrence №58		Occur.	48	45	00	90	10	00	Cu		Cu-Co-sulfoarsenide-sulfosalts veins	3155
179		Tsagaan gol		Occur.	48	40	42	90	11	00	Co	Au, Ag, Cu	Co-sulfoarsenide veins	4038, 4504, 5306
180	02711	Tekht		Occur.	48	40	41	90	25	00	Co	Bi, Au	Co-sulfoarsenide veins	4504, 5306
181	02992	Gozgor		Occur.	49	13	52	91	57	02	Au	Cu	Volcanic-associated massive sulfide Au	4506, 5306
182		Mergen		Occur.	49	09	50	91	00	20	Cu		Granitoid related vein/replacement Cu	3155, 5306
183		Burhad		Occur.	49	09	10	91	00	35	Mo	W, Li, Be	Mo(W) veins and stockworks	3155, 5306
184	03157	Omnogovi		Occur.	49	06	25	91	38	10	Cu, Au		Volcanogenic Cu-Zn massive sulfide (Ural type)	2740, 2983, 5306
185		Unnamed		Occur.	49	02	45	91	03	45	Mo	Li, Nb	Mo(W) veins and stockworks	2983, 3155, 5306
186	05724	Unnamed		Occur.	49	02	30	91	25	40	W		W(Mo) veins and stockworks	2983, 5306
187	04509	Sonduulyn gol		Occur.	48	58	00	91	58	00	morion		Miarolitic and abyssal pegmatite	1696
188	02712	Seruun bulag		Occur.	48	57	05	91	40	05	Cu		Gabbroic Cu-Ni-(PGE)	4505, 5306
189	05725	Omnot khotol		Occur.	48	56	22	91	34	34	W	Mo	W(Mo) veins and stockworks	2983, 4505, 5306
190		Seruun bulag 1		Occur.	48	56	00	91	39	40	Cu		Granitoid related vein/replacement Cu	3155, 5306
191		Occurrence 6		Occur.	48	53	00	91	33	30	asbestos		Serpentine-hosted asbestos	4580
192		Khatuugiin		Occur.	48	52	40	91	56	15	Zr, Ta, Nb, REE		Nb(Ta)-Zr-REE alkaline metasomatites	4505, 4364, 4454, 5306
193	05865	Zamyn daguukh		Occur.	48	52	27	92	00	00	Cu		Cu skarn	2983, 3576, 4505
194	05081	Maikhan uul		Occur.	48	51	15	91	09	35	Ta, Nb, REE	La, Ce, Ta, Zr, Y	Ta-Nb-REE alkaline metasomatites	4454, 5306
195		Bayanbulag		Occur.	48	47	25	91	54	30	Cu	Ag	Sandstone-hosted Cu	2983, 4505

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
196		Bayanbulag		Occur.	48	46	55	91	54	30	Cu	Ag	Granitoid related vein/replacement Cu	4505, 5306
197		Unnamed /occurrence 24/		Occur.	48	46	00	91	57	45	Cu	Ag	Granitoid related vein/replacement Cu	4505, 5306
198		Baruun bayan /occurrence №5/		Occur.	48	45	55	91	50	15	Cu		Granitoid related vein/replacement Cu	4505, 5306
199	04445	Occurrence №4 /khoit gol/		Occur.	48	45	45	91	01	30	Fe		Sedimentary Fe(Mn)	2983
200	01085	Moonii bulag		Occur.	48	45	35	91	43	00	Au		Placer Au	4922
201		Altan khokhii		Occur.	48	44	40	91	35	00	Mo	Bi	Mo(W) veins and stockworks	3155, 4505, 5306
202		Unnamed /occurrence 54/		Occur.	48	43	00	91	47	35	Cu	Ag	Sandstone-hosted Cu	4505
203		Khuren tolgoi		Occur.	48	44	20	91	53	30	Cu		Volcanogenic Cu-Zn massive sulfide (Ural type)	4505, 5306
204		Occurrence №16 /occurrence 41/		Occur.	48	43	45	91	55	15	Cu	Mo	Granitoid related vein/replacement Cu	4505
205		Occurrence №20		Occur.	48	42	00	91	54	00	Cu		Volcanogenic Cu-Zn massive sulfide (Ural type)	2983
206	02715	Suikht uul		Occur.	48	41	49	91	40	31	Sn	Nb	Sn pegmatite	4505, 5306
207	02716	Unnamed 112-Г-80		Occur.	48	40	34	91	44	48	Sn		Sn(W) veins	4505
208		Unnamed /occurrence 76/		Occur.	48	40	05	91	50	20	Cu		Granitoid related vein/replacement Cu	4505, 5306
209	05095	Bayan-Ulzii		Occur.	48	41	00	91	59	00	Nb	Y, La, Ce, Zr, Ta	Nb(Ta)-Zr-REE alkaline metasomatites	4454
210	05848	Shiveen gol		Occur.	49	20	00	92	07	00	Cu		Granitoid related vein/replacement Cu	3291, 2740
211	05749	Unnamed ш-3-1		Occur.	49	19	00	92	07	00	Pb, Zn		Pb-Sb-Ag veins	627
212	04620	Shiveen gol		Occur.	49	18	15	92	23	20	Pb, Zn, Cu	Ag	Granitoid related vein/replacement Ag-Pb-Zn	3291, 2740
213	05856	Shiveen uul		Occur.	49	18	00	92	13	00	Cu		Granitoid related vein/replacement Cu	3291, 2740
214	03257	Khavtsal		Occur.	49	09	07	92	24	47	Cu		Cu skarn	1504, 1600
215	04441	Occurrence man-14		Occur.	49	05	00	92	10	00	Fe		Fe skarn	4185
216	03544	Unnamed /V-3-4/		Occur.	49	04	17	92	10	07	Au		Epithermal adularia-sericite type? Au	2740
217	03271	Occurrence IV-4-3		Occur.	49	03	47	92	18	35	Cu	Ag, Be, Co, La, Mn, Ni, Sc, Sr, Ti, V, Zn, Zr, Y	Cu-Co-sulfoarsenide-sulfosalts veins	2740
218	04367	Occurrence 4-3-5		Occur.	49	03	00	92	06	05	Cu	Ba, Co	Cu-Co-sulfoarsenide-sulfosalts veins	2740
219	03234	Occurrence IV-3-7		Occur.	49	02	48	92	05	12	Cu	Ag, Ba, Be, Co, La, Mn, Ti, V, Zr	Cu-Co-sulfoarsenide-sulfosalts veins	2740
220		Namiryn gol		Occur.	49	02	48	92	06	10	Pb, Zn	Cu, Ag	Pb-Sb-Ag veins	4656
221	05700	Shar tolgoi		Occur.	49	03	00	92	44	56	Zr, Nb		Nb(Ta)-Zr-REE alkaline metasomatites	4038, 4185
222	00641	Occurrence 113-A-7		Occur.	48	56	00	92	06	00	Fe		Volcanogenic-sedimentary Fe	3576
223	00648	Ulaan uzuuriin khar uul		Occur.	48	55	00	92	07	00	Fe		Volcanogenic-sedimentary Fe	3576
224	04496	Occurrence XXV-113-B-2		Occur.	48	49	20	92	07	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	3576

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
225	01072	Nisdeg tavag		Occur.	48	48	37	92	03	50	W		W-Mo-Be greisen	3576
226	00642	Occurrence 113-F-2		Occur.	48	47	15	92	17	30	Fe		Zoned mafic-ultramafic Ti-Fe	3576
227	00657	Khotoits		Occur.	48	47	00	92	21	00	Mn		Volcanogenic-sedimentary Mn	3576
228	04366	Bomin khar uul		Occur.	48	46	00	92	26	00	Cu		Basaltic Cu	3576
229	04498	Occurrence 113-B-10		Occur.	48	45	35	92	02	55	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	3576
230	05735	Khadyn khar uul		Occur.	48	45	30	92	03	50	Mo		Mo(W) veins and stockworks	3576
231	04475	Occurrence 104-B-4		Occur.	49	19	00	93	51	00	talc		Ultramafic-hosted talc metasomatite	3576
232	04365	Khyargas		Occur.	49	19	00	93	52	00	Au	Ag	Granitoid related Au	3576
233		Unnamed		Occur.	49	19	35	93	58	00	asbestos		Serpentine-hosted asbestos	
234	2-2	Borts uul		Occur.	49	18	00	93	57	00	Cu		Volcanogenic Cu-Zn massive sulfide (Ural type)	3301, 3303, 3158, 3576
235	00788	Ichitiin gol		Occur.	49	09	00	93	52	00	Ni	Cr	Cu-Ni-(PGE) sulfide mafic-ultramafic related	3576
236	04363	Occurrence 104-B-2		Occur.	49	03	20	93	44	00	Cu		Granitoid related vein/replacement Cu	3576
237	04364	Occurrence 104-F-1,2		Occur.	49	03	00	93	54	00	Cu		Granitoid related vein/replacement Cu	3576
238		Unnamed		Occur.	48	55	15	93	15	15	Pb, Zn	Au, Ag	Granitoid related vein/replacement Ag-Pb-Zn	4656
239	05840	Unegtiin uul		Occur.	48	41	00	93	32	00	Cu		Volcanogenic Cu-Zn massive sulfide (Ural type)	3576
240	05857	Mendeekhein davaa		Occur.	49	18	18	94	18	32	Cu		Porphyry Cu(Au, Ag)	2330, 2933, 3301
241	05860	Baruun datsan khuree		Occur.	49	18	00	94	42	00	Cu		Volcanogenic Cu-Zn massive sulfide (Ural type)	2330
242		Zuun gol		Occur.	49	14	01	94	49	08	Cu	Zn	Volcanogenic Cu-Zn massive sulfide (Ural type)	2330
243	00271	Occurrence A-680		Occur.	49	12	00	94	35	00	Nb	Ta, Th	Th(U)-Nb-Zr(REE) alkaline metasomatites	4405
244	05726	Greizenii		Occur.	49	11	03	94	43	30	W		W-Mo greisen	2330
245	05727	Morit uul		Occur.	49	03	30	94	15	45	W		W-Mo greisen	2330
246	03558	Occurrence №110 /morit uul/		Occur.	49	03	07	94	20	43	Au		Granitoid related Au	2330
247		Alag uul		Occur.	49	01	00	94	03	00	Cu	Zn	Cu skarn	2330, 2933
248		Khuuchin /khurgany nuruu/		Occur.	48	57	55	94	08	27	Cu	Ag	Cu skarn	2330, 2869, 2975
249		Orgil uul		Occur.	48	53	08	94	07	27	Cr		Magmatic podiform Cr	2330
250	00269	Occurrence A-681		Occur.	48	53	00	94	57	00	Nb	Zr, Th	Th(U)-Nb-Zr(REE) alkaline metasomatites	4405
251	00268	Occurrence A-683		Occur.	48	52	00	94	48	00	Nb	Ta, Th	Th(U)-Nb-Zr(REE) alkaline metasomatites	4405
252	03497	Khagiin nuur		Occur.	48	48	07	94	06	07	Au		Placer Au	4819

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
253	00631	Khulij gol 1 /occurrence 117-Г-1/		Occur.	48	49	00	94	17	00	Fe	Au, Ag	Banded iron formation (BIF)	3576
254	00627	Khulij gol 2 /occurrence 117-Г-2/		Occur.	48	48	40	94	17	20	Fe	Au, Ag	Banded iron formation (BIF)	3576
255	00628	Occurrence 117-Г-3		Occur.	48	47	00	94	15	30	Fe		Banded iron formation (BIF)	3576
256	00659	Occurrence 117-Г-4		Occur.	48	47	00	94	16	20	Fe		Banded iron formation (BIF)	3576
257	00630	Khulij gol 3 /occurrence 117-Г-6/		Occur.	48	46	20	94	17	30	Fe	Au, Ag	Banded iron formation (BIF)	3576
258	00629	Occurrence 117-Г-5		Occur.	48	46	00	94	17	00	Fe		Banded iron formation (BIF)	3576
259	00658	Occurrence 117-Г-9		Occur.	48	42	30	94	18	45	Fe		Banded iron formation (BIF)	3576
260	00632	Bayanhairhan		Occur.	48	43	45	94	26	25	Au	Ag, Cu	Au skarn	3576
261	2-3	Oyut tolgoi		Occur.	49	16	22	95	56	00	Cu	Pt	Gabbroic Cu-Ni-(PGE)	2330, 2591, 2975
262	04429	Sant tolgoi		Occur.	49	14	00	95	45	55	Fe		Banded iron formation (BIF)	2330
263		Bayan gol		Occur.	49	12	00	95	16	00	Au		Granitoid related Au	3576
264	05705, 05862	Tsagduultyn dabaa		Occur.	49	12	00	95	20	00	Ni		Cu-Ni-(PGE) sulfide mafic-ultramafic related	2869
265	05859	Khokh enger uul		Occur.	49	10	45	95	07	15	Cu		Granitoid related vein/replacement Cu	2330
266	05858	Khuiten		Occur.	48	59	00	95	27	00	Cu		Granitoid related vein/replacement Cu	2473
267		Serpentinit		Occur.	48	44	00	95	14	00	Cu		Cu-Ni-(PGE) sulfide mafic-ultramafic related	3576
268		Tsetsen khairhan uul		Occur.	48	43	03	95	39	05	Fe	Cu, Ni	Banded iron formation (BIF)	4655
269	00786	Khatuugiin gol		Occur.	48	39	00	90	09	00	Cu		Sandstone-hosted Cu	3788
270		Shar boorog /shar buureg/		Occur.	48	37	10	90	28	25	Ag, Sb, Bi	Cu	Sb-Bi-Ag veins	3788, 4013, 4504, 5306
271		Bor burgas /tolbo nuur/		Occur.	48	35	02	90	15	00	Ag, Sb, Bi	Cu	Sb-Bi-Ag veins	3788, 4013, 4504, 5306
272		Bayan enger		Occur.	48	33	33	90	39	38	Cu, Zn		Cu-Co-sulfoarsenide-sulfosalts veins	4094, 5306
273		Shaakhai davaa		Occur.	48	31	00	90	42	00	Ag	Sb, Cu, Pb, Zn	Sb-Bi-Ag veins	3788
274	04442	Tolbo nuur /occurrence 2-2-1/		Occur.	48	29	41	90	15	20	Fe	Cu	Sedimentary Fe(Mn)	3788
275	03859	Urt gobi №33		Occur.	48	29	25	90	02	10	Sn		Sn(W) veins	4730, 5306
276	03858	Urt gobiin ekh		Occur.	48	29	35	90	03	45	W		W(Sn) veins	4730
277	03873	Tolbo nuur		Occur.	48	29	20	90	07	30	talс		Ultramafic-hosted talc metasomatite	4730
278	03837	Urgeedeg uul		Occur.	48	25	30	90	01	30	Cu		Volcanogenic Cu-Zn massive sulfide (Ural type)	4730, 5306
279	03872	Dood khaalga		Occur.	48	26	00	90	08	50	talс		Ultramafic-hosted talc metasomatite	4730
280	03843	Dood khaalgat		Occur.	48	26	20	90	11	20	Cu, Pb, Zn		Volcanogenic Cu-Zn massive sulfide (Ural type)	4730, 5306
281	03862	Dund khaalgat		Occur.	48	24	15	90	10	45	W	Cu	W-Mo greisen	4730, 5306

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
282	03861	Dund-deed khaalgat		Occur.	48	23	30	90	11	30	W		W-Mo greisen	4730, 5306
283	03844	Deed khaalgat		Occur.	48	23	50	90	12	10	Cu, Au		Volcanogenic Cu-Zn massive sulfide (Ural type)	4730, 5306
284		Tolbo		Occur.	48	23	30	90	19	00	Cu, Pb		Volcanogenic Cu-Zn massive sulfide (Ural type)	3778, 5306
285	00787	Boroot		Occur.	48	24	00	90	22	00	Fe		Fe skarn	1011
286	03839	Seterkhii tsunheg		Occur.	48	21	15	90	02	40	Cu	Au	Volcanogenic Cu-Zn massive sulfide (Ural type)	4730, 5306
287	03841	Artsat tsunheg 2		Occur.	48	19	20	90	04	30	Cu		Volcanogenic Cu-Zn massive sulfide (Ural type)	4730, 5306
288	03845	Bodooldog uul		Occur.	48	20	05	90	14	25	Cu		Volcanogenic Cu-Zn massive sulfide (Ural type)	4730
289	03846	Shar davaa 1		Occur.	48	19	55	90	16	00	Cu		Volcanogenic Cu-Zn massive sulfide (Ural type)	4730, 5306
290	03870	Sair uul		Occur.	48	19	52	90	29	35	Fe		Sedimentary Fe(Mn)	4730
291	03851	Khokh gol		Occur.	48	19	40	90	35	35	Cu		Granitoid related vein/replacement Cu	4730
292	03831	Sair uul №2		Occur.	48	19	00	90	32	00	Cu	Au	Granitoid related vein/replacement Cu	4730, 5306
293	03852	Urt bulgiin davaa		Occur.	48	18	30	90	39	10	Cu		Granitoid related vein/replacement Cu	4730
294	03840	Artsat tsunheg 1		Occur.	48	18	30	90	02	40	Mo		W-Mo greisen	4730, 5306
295	03842	Ulaan khatuu		Occur.	48	17	30	90	08	30	Cu		Volcanogenic Cu-Zn massive sulfide (Ural type)	4730, 5306
296	2-4	Khokh adar	Dep.		48	17	37	90	22	28	Cu	Pb, Zn	Volcanogenic Cu-Zn massive sulfide (Ural type)	3778, 4092, 4730, 5306
297	03833	Baruun occurrence		Occur.	48	17	50	90	29	30	Cu	Au	Granitoid related vein/replacement Cu	4730, 5306
298	03868	Tsagaan chuluut №43		Occur.	48	17	25	90	36	20	Sn		Sn(W) veins	4730
299	03832	Elst tolgoi		Occur.	48	17	00	90	32	00	Cu	Au	Granitoid related vein/replacement Cu	4730, 5306
300	03834	Khokh khad		Occur.	48	16	00	90	30	15	Cu		Granitoid related vein/replacement Cu	4730
301	03855	Doroo nuurn zuun №27		Occur.	48	15	10	90	30	00	Cu		Granitoid related vein/replacement Cu	4730
302	03854	Doroo nuur №26		Occur.	48	16	30	90	38	00	Cu		Granitoid related vein/replacement Cu	4730
303		Maraa		Occur.	48	14	15	90	43	20	W		W(Mo) veins and stockworks	5306
304	03865	Doroo nuur		Occur.	48	13	15	90	38	00	Sn	Be, W, Nb	W-Sn greisen	4730, 5306
305	03835	Shirdeg uul		Occur.	48	12	10	90	30	10	Cu		Granitoid related vein/replacement Cu	4730
306	03866	Olont		Occur.	48	11	00	90	42	00	Sn, W		Sn(W) veins	4730, 5306
307	03848	Khavtsal №21		Occur.	48	10	25	90	16	50	Pb		Volcanogenic Zn-Pb-Cu massive sulfide	4730
308	03849	Khavtsalt uul		Occur.	48	11	00	90	21	00	Pb		Volcanogenic Zn-Pb-Cu massive sulfide	4730

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
309	03850	Chandmani uul		Occur.	48	11	20	90	22	00	Cu		Volcanogenic Cu-Zn massive sulfide (Ural type)	4730
310		Khujirt		Occur.	48	07	43	90	31	30	Cu		Granitoid related vein/replacement Cu	4094, 5306
311		Unnamed		Occur.	48	39	30	91	39	30	W		W(Mo) veins and stockworks	2954
312	03557	Naidan datsan		Occur.	48	38	50	91	52	10	Au		Granitoid related Au	2954, 4505, 5306
313	02719	Buurtsag uul		Occur.	48	37	28	91	46	34	Au		Granitoid related Au	4505, 5306
314	02720	Zeeren		Occur.	48	37	07	91	50	29	Au		Granitoid related Au	4505, 5306
315	02724	Unnamed		Occur.	48	34	10	91	52	30	Zr, Nb		Nb(Ta)-Zr-REE alkaline metasomatites	4505, 5306
316	02725	Nuurn tolgoi		Occur.	48	34	16	91	54	12	Zr		Nb(Ta)-Zr-REE alkaline metasomatites	4505, 5306
317	02727	Nuurn tolgoi 1		Occur.	48	33	32	91	53	25	Zr		Nb(Ta)-Zr-REE alkaline metasomatites	4505, 5306
318	02729	Tsakhir		Occur.	48	32	38	91	54	48	Zr, Nb, REE		Nb(Ta)-Zr-REE alkaline metasomatites	4505, 5306
319	02732	Unnamed/124-B-85/		Occur.	48	31	00	91	52	00	Ta, Nb		Nb(Ta)-Zr-REE alkaline metasomatites	4505
320	02731	Khuren		Occur.	48	31	30	91	55	30	Zr, Nb, Y		Nb(Ta)-Zr-REE alkaline metasomatites	4505, 5306
321	02733	Khurengiin urdakh		Occur.	48	31	07	91	56	20	Zr, Nb, REE		Nb(Ta)-Zr-REE alkaline metasomatites	4505, 5306
322	02734	Ovgor tolgoi		Occur.	48	30	20	91	52	34	Zr, Nb, Y		Nb(Ta)-Zr-REE alkaline metasomatites	4505, 5306
323	02735	Khuren uzuur		Occur.	48	30	20	91	56	18	Zr, Nb, Y, Ta		Nb(Ta)-Zr-REE alkaline metasomatites	4505, 5306
324		Khuren ondor /124-F-2/		Occur.	48	29	42	91	56	22	Zr, Nb		Nb(Ta)-Zr-REE alkaline metasomatites	4505, 5306
325	02740	Tsokh uul		Occur.	48	28	20	91	58	10	Zr, Nb, Y		Nb(Ta)-Zr-REE alkaline metasomatites	4505, 5306
326	02746	Khalzan		Occur.	48	25	44	91	57	02	Au		Granitoid related Au	4505, 5306
327	02748	Choidog khudag		Occur.	48	24	50	91	55	15	Zr, Nb, REE		Nb(Ta)-Zr-REE alkaline metasomatites	4505, 5306
328		Khalzanburgedtei		Occur.	48	24	00	91	56	00	Zr, Nb, REE		Nb(Ta)-Zr-REE alkaline metasomatites	4076, 4185, 5306
329		Baruun khalzan		Occur.	48	24	23	91	56	21	Zr, Nb, REE		Nb(Ta)-Zr-REE alkaline metasomatites	4505, 5306
330	02751	Baruun urd khalzan		Occur.	48	22	36	91	55	39	Zr, Nb, REE		Nb(Ta)-Zr-REE alkaline metasomatites	4505, 5306
331	02752	Omnot khalzan		Occur.	48	22	11	91	58	15	Zr, Nb, REE		Nb(Ta)-Zr-REE alkaline metasomatites	4505, 5306
332		Unnamed /124-F-120/		Occur.	48	21	55	91	57	58	Au	Ag, As	Granitoid related Au	4505
333		Tavhain bulag		Occur.	48	31	40	91	47	00	Au		Granitoid related Au	3666, 4505, 5306
334	02737	Unnamed		Occur.	48	29	33	91	42	34	Au		Granitoid related Au	2954, 3666, 5306
335		Unnamed /124-B-1/		Occur.	48	29	58	91	44	30	Au		Granitoid related Au	4505
336		Occurrence №14		Occur.	48	28	40	91	45	55	Au		Granitoid related Au	4505
337	02743	Tsagaan tolgoi 1		Occur.	48	27	38	91	45	50	Au		Granitoid related Au	4505, 5306



0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
338		Khar yamaat		Occur.	48	28	46	91	50	55	Au		Au skarn	4505, 5306
339	05863	Shandyn khar uul		Occur.	48	28	50	91	51	50	Au	Cu	Granitoid related Au	2954, 3666, 4505, 5306
340	03819	Khar yamaat 1		Occur.	48	29	20	91	48	40	Au		Granitoid related Au	2954, 3666, 5306
341	03553	Tsagaan tolgoi	Dep.		48	27	35	91	47	25	Au		Granitoid related Au	2954, 3666, 4505, 4730, 5306
342	03823	Tsagaan tolgoi		Occur.	48	27	06	91	46	05	Au		Granitoid related Au	4505, 4708, 5306
343	03818	Occurrence №2 /124-Г-15/		Occur.	48	27	32	91	47	33	Au		Granitoid related Au	4708
344		Shar unegt uul		Occur.	48	25	30	91	51	30	Au		Granitoid related Au	2954, 3666, 5306
345	03829, 02741	Occurrence №13		Occur.	48	25	45	91	45	17	Au		Granitoid related Au	4708
346	02993	Ovoot khar		Occur.	48	24	11	91	49	14	Au	Ag, Cu	Granitoid related Au	4505, 5306
347	02749	Unnamed /124-Г-67/ occurrence 11		Occur.	48	24	25	91	49	43	Au		Granitoid related Au	4505
348		Unnamed /124-Г-68/ occurrence 11		Occur.	48	24	42	91	49	46	Au		Granitoid related Au	4505
349	05736	Ikh khag		Occur.	48	30	56	91	00	15	Mo	W, Sn, Bi	Mo(W) veins and stockworks	2954, 5306
350	05547	Dund khar		Occur.	48	26	00	91	11	00	Au		Granitoid related Au	2954, 3666, 4244, 5306
351		Shunkhat uul		Occur.	48	25	50	91	01	35	Au		Granitoid related Au	2954, 5306
352	03552	Tsagaan chuluut		Occur.	48	20	30	91	10	00	Au		Granitoid related Au	2954, 3666, 5306
353	05864	Khairhan uul		Occur.	48	18	20	91	23	00	Cu		Granitoid related vein/replacement Cu	2954, 5306
354	03550	Orgon shireg		Occur.	48	11	00	91	13	15	Au	Ag	Granitoid related Au	2954, 5306
355	04370	Burgasny khar usny gol		Occur.	48	09	40	91	10	45	Cu	Au, Ag, Pb	Cu skarn	4919
356	05868	Khovd		Occur.	48	10	00	91	40	00	Cu		Granitoid related vein/replacement Cu	2938
357	03549	Khasagt khondii		Occur.	48	07	30	91	20	15	Au		Granitoid related Au	2954, 3666, 3747, 5306
358	00621	Bayan ovoo uul		Occur.	48	37	10	92	35	40	Mn		Volcanogenic-sedimentary Mn	3576
359	05326	Mokhoin ar uul		Occur.	48	36	00	92	16	00	Mn		Volcanogenic-sedimentary Mn	4567, 4454, 3576
360	05094	Occurrence №777		Occur.	48	36	00	92	17	00	U	P	Sandstone-hosted U	4454
361	00634	Occurrence 126-A-5		Occur.	48	36	30	92	34	45	V		Sedimentary stratiform V	3576
362	01089	Uurgat uul		Occur.	48	34	44	92	22	22	Au		Granitoid related Au	3576
363		Unnamed /125-A-8/		Occur.	48	34	05	92	14	40	Cu	Ag	Sandstone-hosted Cu	3576
364	00127	125-B-20		Occur.	48	33	00	92	17	05	barite		Barite veins	3576
365	02753	Occurrence 29		Occur.	48	32	25	92	01	20	Cu		Cu skarn	4505
366	00650	Uldegdel		Occur.	48	32	48	92	16	10	Mn		Volcanogenic-sedimentary Mn	3576

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
367		Occurrence 125-B-34		Occur.	48	31	30	92	22	30	V		Sedimentary stratiform V	3576
368		Kharlag uul		Occur.	48	27	00	92	16	00	Cu	Au, Ag	Sandstone-hosted Cu	3576
369		Occurrence 125-G-11		Occur.	48	26	00	92	17	30	V		Sedimentary stratiform V	3576
370		Unnamed		Occur.	48	26	00	92	18	00	Cu	Au, Ag	Volcanogenic Cu-Zn massive sulfide (Ural type)	3576
371		Unnamed		Occur.	48	23	00	92	16	00	Cu	Au, Ag, Mo, Hg	Volcanogenic Cu-Zn massive sulfide (Ural type)	3576
372	00622	Tsagaan uheet uul		Occur.	48	23	00	92	11	00	Fe		Fe skarn	2082, 3576
373		Gajig №653		Occur.	48	01	00	92	55	00	Au	Ag, Cu	Granitoid related Au	4185
374	05870	Togloin khudag		Occur.	48	30	00	93	45	00	Cu		Cu skarn	2938
375	00633	Khanyin khudag		Occur.	48	27	00	93	38	00	Au		Granitoid related Au	3576
376		Daagan del uul		Occur.	48	26	00	93	54	00	Cu	Au	Volcanogenic Cu-Zn massive sulfide (Ural type)	3576
377		Daagan del omnot		Occur.	48	23	55	93	53	05	Cu	Au, Ag	Volcanogenic Cu-Zn massive sulfide (Ural type)	3576
378	04470	Occurrence 139-B-1		Occur.	48	19	00	93	29	00	muscovite		Muscovite pegmatite	3576, 4580, 4669
379	04476	Unnamed XXXIV-139-B-1/		Occur.	48	01	20	93	05	00	talc		Ultramafic-hosted talc metasomatite	3576
380	04510	Margats uul		Occur.	48	38	00	94	55	00	morion		Miarolitic and abyssal pegmatite	822, 2933
381	03446	Dund khuudas		Occur.	48	25	22	94	40	47	Au		Placer Au	4993
382	00654	Ondor taishir uul		Occur.	48	23	00	94	06	00	Au	Cu	Granitoid related Au	3576
383	04479	Occurrence 126-G-4		Occur.	48	21	51	94	25	30	graphite		Metamorphic graphite	3576
384	04474	Occurrence 129-G-8		Occur.	48	20	50	94	21	58	talc		Ultramafic-hosted talc metasomatite	3576
385	03447	Paglagar		Occur.	48	21	00	94	38	14	Au		Placer Au	4993
386	03445	Dugui nuramt		Occur.	48	19	15	94	38	35	Au		Placer Au	4993
387		Uzuur khokh tolgoi		Occur.	48	17	58	94	45	40	Cu		Cu skarn	4965
388	00643	Occurrence 142-B-6		Occur.	48	17	45	94	45	30	Fe	Cu	Fe skarn	3576
389	05751	Nukhet uul /khushig uul/		Occur.	48	17	50	94	59	00	Pb	Zn, Ag, Au	Granitoid related vein/replacement Pb-Zn	3576, 4966
390	05737	Cetert uul		Occur.	48	17	10	94	43	31	Cu	Mo, Ag, Au	Porphyry Cu(Au, Ag)	3576, 2869, 4364, 4965
391	00656	Occurrence 141-B-6		Occur.	48	16	30	94	27	00	Mn		Sedimentary Mn(Fe)	3576
392		Ikh khuudas	Dep.***		48	15	30	94	40	00	Au		Placer Au	4993
393		Occurrence 67		Occur.	48	14	20	94	28	00	asbestos		Serpentine-hosted asbestos	4580
394	00640	Occurrence 142-A-20 /zuun shuvuun uul/		Occur.	48	11	00	94	37	20	Fe		Banded iron formation (BIF)	3576, 2869

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
395	00651, 00655	Zuun shuvuun uul		Occur.	48	12	00	94	41	00	Au	Cu	Regional metamorphism related quartz-(carbonate) vein Au	2869, 3576, 4965
396		142-A-X-3-1-2		Occur.	48	10	32	94	38	05	Au		Placer Au	4965
397	03280	Shuvuun khar uul /khudgiin khar uul/		Occur.	48	10	35	94	37	07	Au	Ag, Cu, Pb, Zn	Regional metamorphism related quartz-(carbonate) vein Au	2869, 3576, 4965
398	02943	Khudgiin kharyn baruun am		Occur.	48	09	10	94	36	30	Au		Placer Au	4892
399	00620	Burkheer khar uul		Occur.	48	07	37	94	40	25	Au	Cu	Regional metamorphism related quartz-(carbonate) vein Au	3576, 4965
400		Ulaan alag uul		Occur.	48	07	10	94	35	48	Au		Regional metamorphism related quartz-(carbonate) vein Au	4965
401		142-B-X-3-1-10 /dalavchyn khudag/		Occur.	48	06	34	94	37	02	Au		Placer Au	4965
402	04471	Occurrence 142-G-6		Occur.	48	07	30	94	52	00	muscovite		Muscovite pegmatite	3576
403	05873	Ikh buural /occurrence №67/		Occur.	48	03	00	94	25	00	Cu		Granitoid related vein/replacement Cu	2933, 4200, 3576
404	00646	Occurrence 142-V-25 /sevstei uul/		Occur.	48	01	39	94	30	50	Fe		Banded iron formation (BIF)	3576
405	00644	Occurrence 141-G-6		Occur.	48	01	00	94	24	00	Fe		Fe skarn	3576
406	00653	Zavhanmandal		Occur.	48	19	20	95	02	27	Au		Granitoid related Au	2869, 3576, 4966
407		Ulaan bogoch /unnamed/		Occur.	48	18	55	95	00	20	Au	Cu, Ag	Granitoid related Au	4966
408	05841	Khooloin khyar		Occur.	48	16	00	95	14	24	Cu		Porphyry Cu(Au, Ag)	2869, 3576, 4966
409		Argalant uul		Occur.	48	14	20	95	17	30	Phosphorites		Sedimentary phosphate	4966
410	00135	Khongilt uul		Occur.	48	10	40	95	12	30	Cu	Fe, Mo	Cu skarn	2869, 3576, 4966
411	00134	Erdene khairhan		Occur.	48	11	00	95	44	00	Cu	Ag, Au	Cu skarn	2869, 3576, 4966
412	01034	Gurvaljin uul		Occur.	48	09	08	95	46	20	Zn, Fe	Mo	Fe-Zn skarn	3576, 4966
413	01046	Baga berkh uul		Occur.	48	09	00	95	57	00	Zn	Pb	Fe-Zn skarn	3576, 4966
414	00136, 00652	Airag uul		Occur.	48	08	30	95	32	00	Au	Ag	Granitoid related Au	3576, 4966
415		Airag uul		Occur.	48	08	30	95	32	00	Fe	Au, W, Zn	Fe skarn	3576

Explanation: \*\*\*- Deposits in operation; \*\*- Deposits mined out, but there is small amount of reserves; \*- Deposits mined out; \*- Occurrences with small ancient openpits on surface.

### Mineral Deposits and Occurrences in the Sheet M-46

(Fuel Resources, Gemstones, Industrial Diamond, Continental Lake Evaporates, Mineral Pigments,  
Resources, Rocks for Construction Uses)

Sulfur

1:200000 scale Sheet	No	Number in M-46	Passport number	Deposit and occurrence name	Dep	Occur	Location						Major Resources	Minor Resources	Mineral Resources Group	Information Sources (Open File Report number in GIC)
							Latitude			Longitude						
							deg	min	sek	deg	min	sek				
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
IX	1	416	00564	Tsahir uul		Occur	50	45	10	92	55	55	Stone, Decorative /marble/		Rocks for Construction Uses	4477
	2	417	00565	Oemno adarga uul		Occur	50	43	35	92	18	35	Limestone (for lime, cement)		Rocks for Construction Uses	4477
	3	418	00561	Dashdondog		Occur	50	40	25	92	26	40	Colored clay pegments		Mineral Pigments	4477
XIII	4	419		Khargiin gol		Occur	50	17	00	90	45	00	Brown coal		Fuel Resources	361, 133, 3151
	5	420	05349	Bayan mat		Occur	50	15	15	90	54	35	Brown coal		Fuel Resources	133, 3151, 4477
	6	421	00568	Maihandel uul		Occur	50	00	59	90	28	00	Limestone (for lime, cement)		Rocks for Construction Uses	4477
XIV	7	422		Khueden	Dep**		50	35	30	91	58	12	Hard coal		Fuel Resources	2045, 2652, 3303, 4477
	8	423	04524	Daagan del		Occur	50	25	15	91	08	30	Serpentine		Gemstones	3004
	9	424		Baruun tserd	Dep		50	25	00	91	46	00	Clay /ceramsite/		Rocks for Construction Uses	2709
	10	425	00562	Buraat		Occur	50	25	25	91	53	25	Colored clay pegments		Mineral Pigments	4477
	11	426	00559	Unnamed (IV-8-188)		Occur	50	08	25	91	51	25	Limestone (for lime, cement)		Rocks for Construction Uses	4477
	12	427	00560, 04060	Uereg nuur		Occur	50	04	15	91	03	00	Stone, Decorative /marble/		Rocks for Construction Uses	4477, 5013
	13	428	00529	VI-8-178		Occur	50	03	50	91	46	30	Colored clay pegments		Mineral Pigments	4477
	14	429	00599	Tuergenii nuruu		Occur	50	02	00	91	12	00	Serpentine		Gemstones	4427
	15	430	04057	Ijgen gol		Occur	50	00	20	91	11	20	Hard coal		Fuel Resources	5013
16	431	781	Tsagaan chuluut	Dep**		50	00	20	91	47	20	Limestone (for lime)		Rocks for Construction Uses	1687,2349	

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
XV	17	432	00051 00546	Ubs nuur Unnamed (IV-9-201)		Occur	50	24	00	92	10	00	Peat		Fuel Resuorces	361, 4477
	18	433		Khoendlongiin dabsan		Occur	50	14	00	92	08	00	Sodium Sulfate Resources		Continental Lake Evaporates	361, 1051
	19	434	00162	Khoendlon gol		Occur	50	12	00	92	15	00	Loam		Rocks for Construction Uses	3472
	20	435	930	Khoeh ereg	Dep***		50	10	15	92	17	18	Halite		Continental Lake Evaporates	3892
	21	436	990, 03375	Ulaan kharganat	Dep		50	00	00	92	35	00	Sand		Rocks for Construction Uses	4579
XVI	22	437		Tesiin gol	Dep		50	34	00	93	30	00	Sand and gravel		Rocks for Construction Uses	2515
	23	438	684	Dabsan	Dep		50	22	34	93	21	06	Halite		Continental Lake Evaporates	1776, 2161
	24	439		Baga nuur IV		Occur	50	21	30	93	20	00	Halite		Continental Lake Evaporates	361
	25	440		Buult	Dep***		50	16	00	93	52	00	Soda Ash		Continental Lake Evaporates	2105
XIX	26	441	02019, 04055, 04056	Nuurst khotgor	Dep***		49	50	40	90	54	00	Hard coal		Fuel Resuorces	3539,1514, 4506, 4611, 5013
	27	442		Indert		Occur	49	40	20	90	51	20	Hard coal		Fuel Resuorces	3539, 4506
XX	28	443	04517	Ulaan nachin		Occur	49	53	20	91	30	30	Hard coal		Fuel Resuorces	4944
	29	444	02085	Khetiin khoetoel		Occur	49	52	00	91	25	00	Hard coal		Fuel Resuorces	361, 133, 3151
	30	445	02065	Myangan	Dep		49	41	00	91	41	00	Hard coal		Fuel Resuorces	4616
	31	446	02971	Tabtuin khoetol (№327)		Occur	49	33	00	91	54	00	Limestone (for lime, cement)		Rocks for Construction Uses	4506
	32	447	02020	Khar tarvagatai	Dep***		49	32	48	91	40	45	Hard coal		Fuel Resuorces	2740,1514, 4506
	33	448	02972	Taluin salaa		Occur	49	31	22	91	45	15	Clay		Rocks for Construction Uses	4506
	34	449	01206	Burgastai gol		Occur	49	30	15	91	58	20	Brown coal		Fuel Resuorces	133, 2740, 3151, 4506
	35	450	01115	Khargait /Namiruin gol/		Occur	49	26	20	91	35	00	Hard coal		Fuel Resuorces	628, 2740, 4506
	36	451	02973	Makdor (№571)		Occur	49	26	00	91	51	00	Limestone (for lime, cement)		Rocks for Construction Uses	4506
	37	452	02977	Chuulganui tsahir uul (№575)		Occur	49	20	00	91	54	00	Limestone (for lime, cement)		Rocks for Construction Uses	4506

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
XXI	38	453		Ulaan gom	Dep		49	59	43	92	02	30	Clay		Rocks for Construction Uses	1687,2349
	39	454	991	Amralt	Dep		49	59	00	92	40	20	Sand		Rocks for Construction Uses	3206
	40	455	826	Gashuun gol	Dep		49	58	00	92	07	00	Stone, Crushed /sandstone/		Rocks for Construction Uses	3206
	41	456	843	Chandmani	Dep*		49	56	33	92	03	16	Stone, Crushed /granite/		Rocks for Construction Uses	1687,2349
	42	457	911	Kharkhiraа gol	Dep**		49	54	20	92	03	25	Sand and gravel		Rocks for Construction Uses	1687,2849
	43	458		Occurrence (78-B-III-4-19)		Occur	49	43	24	92	41	58	Limestone (for lime)		Rocks for Construction Uses	5320
	44	459		Shar burd		Occur*	49	36	40	92	09	01	Sodium Sulfate Resources		Continental Lake Evaporates	5320
	45	460		Zosuin har tolgoi		Occur*	49	32	51	92	32	09	Limestone (for lime)		Rocks for Construction Uses	5320
	46	461		Maihan uul		Occur	49	29	49	92	32	05	Brown coal		Fuel Resuorces	5320
	47	462		Occurrence (90-B-III-3-2)		Occur*	49	22	50	92	37	54	Clay		Rocks for Construction Uses	5320
	48	463		Occurrence (90-B-IV-1-3)		Occur	49	22	22	92	33	02	Brown coal		Fuel Resuorces	5320
49	464	872	Khuargas	Dep		49	22	25	92	54	30	Clay		Rocks for Construction Uses	3472	
XXII	50	465		Mogoin bulag		Occur	49	22	00	93	05	00	Brown coal		Fuel Resuorces	2045
	51	466	03574	Toliin bulag		Occur	49	22	00	93	49	20	Brown coal		Fuel Resuorces	3301
XXIII	52	467	03372	Storoot	Dep		49	36	00	94	23	00	Loam		Rocks for Construction Uses	4579
	53	468	05634	Khangiltsag		Occur	49	32	00	94	13	00	Industrial Diamond			4710
	54	469		Nomin tolgoi		Occur	49	25	10	94	25	10	Lazurite		Gemstones	4236
XXIV	55	470	04485	Tansuin oevor		Occur	49	32	00	95	41	00	Oxidized Zone Sulfur		Sulfur Resources	340
	56	471		Baitsaa gol		Occur*	49	29	40	95	19	10	Limestone (for lime)		Rocks for Construction Uses	2330
XXV	57	472	02985	Dash tolgoi		Occur	49	12	00	90	26	00	Jasper		Gemstones	4520
	58	473	02987	Khar urts		Occur	49	10	40	90	12	30	Stone, Decorative /gabbro/		Rocks for Construction Uses	4520

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
XXV	59	474	780	Tsagaan kad	Dep**		49	04	17	90	00	15	Limestone (for lime, cement)		Rocks for Construction Uses	3155, 4520, <b>3511</b>
	60	475	789	Burhat gol	Dep		49	04	13	90	05	34	Limestone (for lime)		Rocks for Construction Uses	<b>1674</b> , 3155, 2349, 4520
	61	476	600, 99	Khuerengiin hyar	Dep		49	04	00	90	28	00	Sand		Rocks for Construction Uses	<b>4389</b>
	62	477		Khavtsaluin am	Dep***		49	01	25	90	26	30	Clay		Rocks for Construction Uses	3155, <b>4389</b>
	63	478		Ulaan kese		Occur	48	59	00	90	09	05	Clay		Rocks for Construction Uses	<b>3155</b>
	64	479		Bugat	Dep**		48	58	00	90	01	00	Sand and gravel		Rocks for Construction Uses	<b>2516</b> , 3155, 4504
	65	480		Khatuu gol		Occur	48	57	00	90	06	00	gravel		Rocks for Construction Uses	<b>3155</b>
	66	481		Khoit uuluin nuur		Occur	48	57	00	90	25	30	Colored clay pegments		Mineral Pigments	<b>3155</b>
	67	482	795	Bugatuin tokhoi	Dep		48	55	30	90	05	00	Clay		Rocks for Construction Uses	<b>3235</b>
	68	483	02709	Khatuugiin gol		Occur	48	54	00	90	14	00	aleurolite /ceramsite/		Rocks for Construction Uses	<b>4504</b>
XXVI	69	484	02991	Ulaan		Occur	49	17	00	91	24	00	Stone, Decorative /granite/		Rocks for Construction Uses	<b>4506</b>
	70	485		Orlogo		Occur	49	17	01	91	40	44	Clay		Rocks for Construction Uses	4506
	71	486	778	Orloguin gol	Dep**		49	15	30	91	41	00	Clay		Rocks for Construction Uses	<b>3590</b>
	72	487	05548	Shar burdiin nuur		Occur	49	13	30	91	48	50	Halite-Sodium Sulfate Resources		Continental Lake Evaporates	<b>3892</b>
	73	488	988	Oemnogovi	Dep		49	12	00	91	35	00	Sand and gravel		Rocks for Construction Uses	<b>4395</b>
	74	489	03351	Shaazgai nuur		Occur	49	10	49	91	17	30	Soda Ash		Continental Lake Evaporates	<b>3892</b>
	75	490	2005	Yavar	Dep		49	16	00	91	47	00	Hard coal		Fuel Resuorces	2740, <b>3681</b> , 4506
XXVII	76	491	00598	Tsogtuin tsahir		Occur*	49	19	00	92	14	00	Agalmatolite	jasper	Gemstones	<b>4427</b>
	77	492		Tsogtuin tsahir uul		Occur	49	15	30	92	06	40	Limestone (for lime)		Rocks for Construction Uses	<b>2740</b>
	78	493	696	Suejiin nuur	Dep***		49	13	33	92	03	45	Halite	Sodium Sulfate Resources	Continental Lake Evaporates	1590, <b>3892</b>
	79	494		Khyargas		Occur	49	12	00	92	42	00	Clay ( cement)		Rocks for Construction Uses	<b>2938</b>

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
XXVIII	80	495	03572	Borts uul /Baitsaatuin gol/		Occur	49	19	30	93	55	25	Brown coal		Fuel Resuorces	3301, 3576, 4089
	81	496	04526	Occurrence 115-A-1		Occur	48	59	00	93	14	00	Serpentine		Gemstones	3576
XXIX	82	497	04527	Tsagaan burgas		Occur	49	17	00	94	21	00	Serpentine		Gemstones	1900
	83	498		Unnamed		Occur	49	18	00	94	47	00	Colored clay pegments		Mineral Pigments	601
	84	499	04582	Unnamed		Occur	49	16	00	94	53	00	Colored clay pegments		Mineral Pigments	601, 340
	85	500	04583	Nomin tolgoi		Occur*	49	05	00	94	05	00	Lazurite		Gemstones	1900, 2008
	86	501		Nomin tolgoi		Occur	49	05	00	94	05	00	Colored clay pegments		Mineral Pigments	1900, 2008
	87	502		Khoeh alag		Occur	48	53	00	94	03	00	Oxidized Zone Sulfur		Sulfur Resources	340, 2933
	88	503		Khulij gol	Dep		48	47	00	94	18	00	Clay		Rocks for Construction Uses	4581
XXX	89	504	860	Tsavdan nuur /Tsaidam nuur/	Dep		49	14	00	95	40	00	Halite		Continental Lake Evaporates	1776, 2330, 4720
	90	505	697	Takhiltuin huur	Dep		48	55	00	95	00	00	Halite		Continental Lake Evaporates	1776, 2106
	91	506	685	Devteer nuur /Davst nuur/	Dep***		48	42	00	95	21	00	Halite-Sodium Sulfate Resources		Continental Lake Evaporates	1776,2106, 2622
XXXI	92	507	03874	Dood khaalgat		Occur	48	27	00	90	11	30	Rhodonity		Gemstones	4730
	93	508	02718	Sair		Occur	48	21	00	90	29	00	Stone, Decorative /granite/		Rocks for Construction Uses	4504
	94	509		Boerog		Occur	48	19	30	90	01	05	Stone, Decorative /quartzite/		Rocks for Construction Uses	4730
	95	510	03573	Tal nuur		Occur	48	02	00	90	07	00	Brown coal		Fuel Resuorces	3151
XXXII	96	511	02721	Oendor ulaan uul		Occur	48	36	00	91	46	30	Stone, Decorative /granite/		Rocks for Construction Uses	4505
	97	512	2723	Unnamed (124-5-122)		Occur	48	35	00	91	46	15	Stone, Decorative /gabbro-norite/		Rocks for Construction Uses	4505
	98	513		Tsahiruin hudag 4-8 occur/ /1-		Occur	48	35	40	91	52	00	Limestone (cement)		Rocks for Construction Uses	4505
	99	514	02726	Khar tolgoi		Occur	48	33	00	91	43	00	Stone, Decorative /rhyolite porphyry/		Rocks for Construction Uses	4505



0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
XXXII	100	515		1-2-1 occurrence		Occur	48	33	15	91	17	00	Limestone (for lime)		Rocks for Construction Uses	2954
	101	516	02730	Unnamed (124-Б-124)		Occur	48	32	30	91	55	00	Stone, Decorative /gabbro-norite/		Rocks for Construction Uses	4505
	102	517	00464	Unnamed (I-2-2)		Occur	48	30	00	91	25	00	Sand and gravel		Rocks for Construction Uses	2954
	103	518	02736	Unnamed (124-Г-131)		Occur	48	29	40	91	57	30	Stone, Decorative /rhyolite porphyry/		Rocks for Construction Uses	4505
	104	519	774	Myangat	Dep***		48	16	20	91	58	23	Loam		Rocks for Construction Uses	1677, 2081, 2145, 2349
	105	520	01008	Khatuu ulaan uul	Dep		48	07	20	91	35	00	Sand		Rocks for Construction Uses	3222
	106	521	01005	Ulaan uzuur	Dep		48	05	30	91	42	00	Sand		Rocks for Construction Uses	3222
	107	522		Shohoit /area-1/	Dep**		48	05	25	91	46	30	Limestone (for lime, cement)		Rocks for Construction Uses	2954, 4820
	108	523		IV-2-7 occurrence		Occur*	48	02	45	91	22	30	Limestone (for lime)		Rocks for Construction Uses	2954
	109	524		Pribrejii	Dep**		48	02	00	91	31	30	Stone, Crushed /tonalite/		Rocks for Construction Uses	4376
	110	525	992	Shar suem	Dep		48	03	00	91	36	00	Sand and gravel		Rocks for Construction Uses	3381
	111	526		Pridorjii	Dep		48	02	30	91	40	30	Sand		Rocks for Construction Uses	4376
	112	527	810	Khovd-I	Dep		48	01	00	91	30	00	Sand and gravel		Rocks for Construction Uses	4220
	113	528		Khovd	Dep***		48	00	52	91	39	33	Clay		Rocks for Construction Uses	1677
	114	529	986	Arshaan	Dep**		48	00	30	91	40	20	Stone, Crushed /granite/		Rocks for Construction Uses	1677, 2349
115	530		Tsahir /Khovd, area -2/	Dep		48	00	30	91	46	15	Limestone (for lime)		Rocks for Construction Uses	2081, 2954, 2349, 3222	
XXXIII	116	531	03571, 03570	Shar dal /Shirin hag hudag/		Occur	48	27	00	92	32	00	Brown coal		Fuel Resuorces	1765, 4089, 3576
	117	532	02026	Mantag /Damba hudag/	Dep		48	26	00	92	30	00	Hard coal		Fuel Resuorces	3576, 4089
	118	533		Tsagaan ueneet		Occur	48	23	30	92	13	00	Limestone (for lime)		Rocks for Construction Uses	2081, 2938

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
XXXIII	119	534		Khar us nuur		Occur	48	22	00	92	26	00	Limestone (for lime)		Rocks for Construction Uses	2081, 2938
	120	535		Ulaan alag		Occur	48	20	00	92	48	00	Clay		Rocks for Construction Uses	2938
	121	536		Unnamed		Occur	48	17	30	92	01	00	Marl /cement/		Rocks for Construction Uses	2081
XXXIV	122	537	695	Sangiin dalai nuur	Dep***		48	38	00	93	04	00	Halite	Sodium Sulfate Resources, astrahanite	Continental Lake Evaporates	1776, 3576, 4721
	123	538		Daagan del /Tsagaan del/		Occur	48	21	00	93	50	30	Limestone (for lime)		Rocks for Construction Uses	2938
XXXV	124	539		Gun nuur	Dep***		48	35	00	94	22	40	Halite		Continental Lake Evaporates	2933, 3576
	125	540	04581	Unnamed		Occur	48	21	00	94	38	00	Colored clay pegments		Mineral Pigments	340, 601
	126	541	04523	Occurrence XXXV-129-G		Occur	48	19	20	94	21	40	serpofite		Gemstones	3576
	127	542		Sevstei		Occur	48	00	25	94	43	20	Hard coal		Fuel Resuorces	4089
XXXVI	128	543		Shavartuin bulag		Occur	48	10	50	95	49	07	Limestone (for lime)		Rocks for Construction Uses	4966

Explanation      Dep\* - Deposit is exploted  
 Dep\*\* - Deposit has been exploted, but there are estimated Reserves  
 Dep\*\*\* - Deposit is in operation  
 Occur\*\* - Occurrence without estimated reserves, but is exploted from the Surface  
 Passport No: 781 - Deposit passport  
 00562 - occurrence passport

A. Metals, Asbestos, Talc, Graphite, Fluorspar, Zeolite, Phosphate, Optical Quartz, Feldspars, Mica, Nepheline Syenite, Sillimanite Group

B. Fuel Resources, Gemstones, Silica Resources, Continental Lake Evaporates, Mineral Pigments, Sulfur Resources, Minerals and Rocks for Construction uses

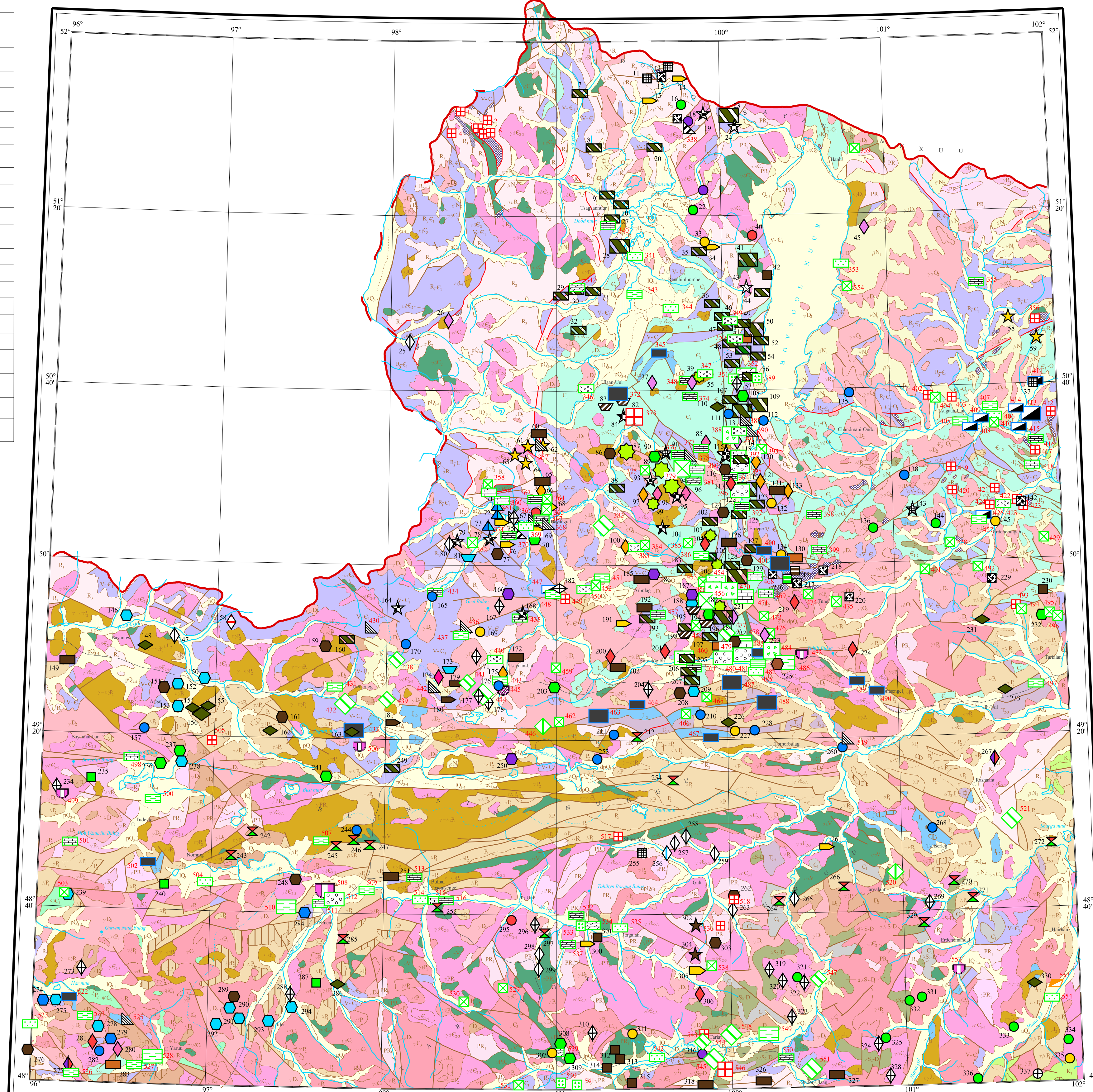
MINERAL RESOURCES AUTHORITY OF MONGOLIA  
GEOLOGICAL OFFICE  
GEOLOGICAL INFORMATION CENTER

MINERAL DEPOSITS AND OCCURRENCES OF MONGOLIA

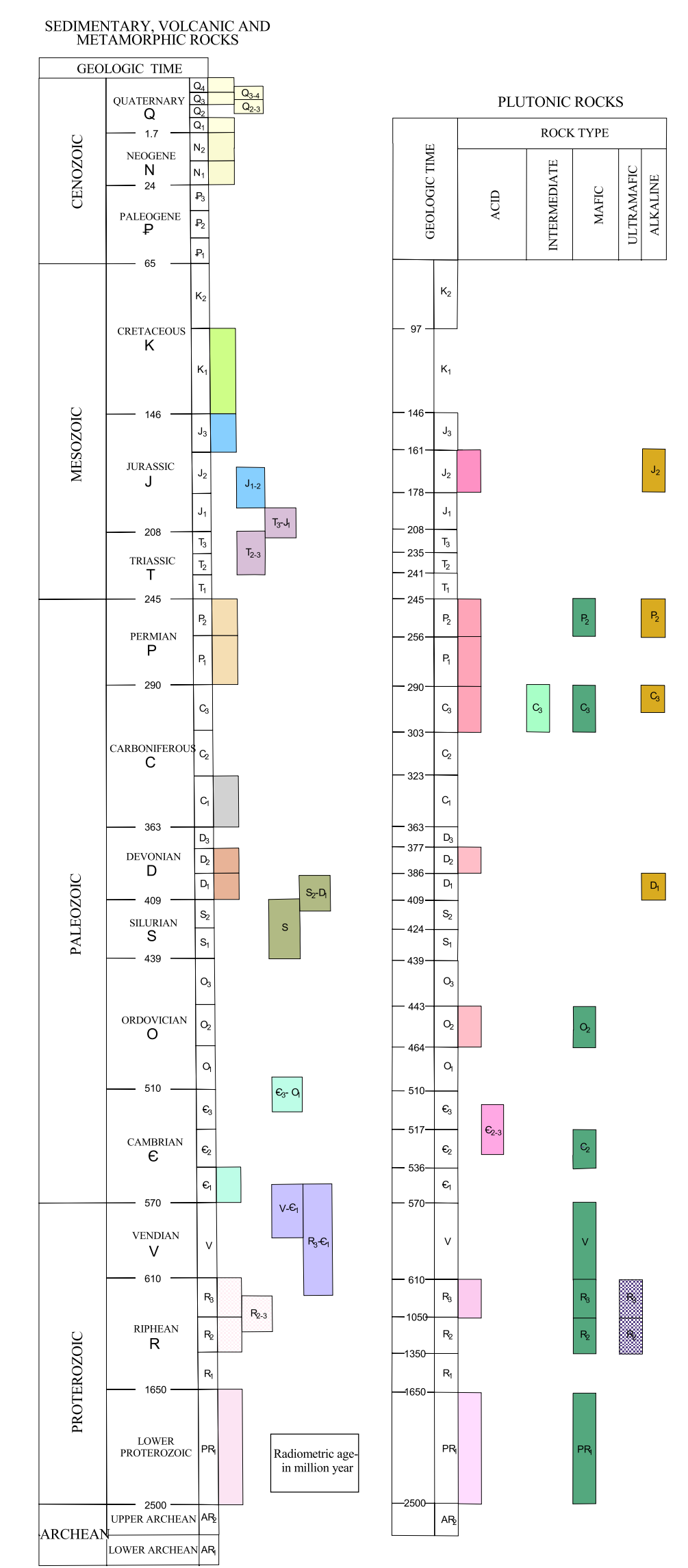
M-47  
Scale 1:1 000 000

Deposit type	Deposit	Occurrence
1. Deposits related to Mafic and Ultramafic Rocks		
1 Zoned mafic-ultramafic Ti-Fe		■
2 Magmatic podiform Cr		■
3 Cu-Ni-(PGE) sulfide mafic-ultramafic related		■
4 Gabbroic Cu-Ni-(PGE)		■
5 Serpentine-hosted asbestos		■
6 Ultramafic hosted talk metasomatite		■
2. Deposits related to Marine Felsic-Mafic Extrusive Rocks		
7 Volcanogenic-hydrothermal-sedimentary Pb-Zn(Cu)		▲
3. Deposits related to Subaerial Extrusive Rocks & Dyke Complexes		
8 Epithermal vein-replacement fluorite	◆	◆
9 Basaltic Cu	◆	◆
10 Volcanic-hosted zeolite	◆	◆
4. Stratiform & Stratabound Deposits in sedimentary rocks		
11 Sedimentary-exhalative (SEDEX) Pb-Zn	▼	▼
12 Sedimentary stratiform V	▼	▼
5. Deposits related to Calc-Alkaline & Alkaline Granitic Intrusions		
5.1. Pegmatite, Greisen & Alkaline metasomatitic Deposits		
13 Li pegmatite	◇	◇
14 Be pegmatite	◇	◇
15 Muscovite pegmatite	◇	◇
16 Miarolitic & abyssal pegmatite	◇	◇
17 W-Mo greisen	◇	◇
18 Mo greisen	◇	◇
19 W-Sn greisen	◇	◇
20 Nb(Ta)-Zr-REE alkaline metasomatites	◇	◇
21 Th(U)-Nb-Zr(REE) alkaline metasomatites	◇	◇
22 Ta-Nb-REE alkaline metasomatites	◇	◇
5.2. Skarn Deposits		
23 Fe(Cu, Au, W, Sn) skarn	◆	◆
24 Fe-Zn skarn	◆	◆
25 Cu(Fe, Au, Ag, Mo) skarn	◆	◆
26 Pb-Zn(Ag, Cu, W, Fe) skarn	◆	◆
27 W(Mo, Fe, Cu) skarn	◆	◆
5.3. Porphyry & Granitic Pluton-hosted Deposits		
28 Porphyry Cu-Mo (Ag, Re)	◆	◆
5.4. Granitoid Related vein, stockwork, metasomatite deposits		
29 Granitoid related Au	◆	◆
30 Granitoid related stockwork/metasomatite Cu	◆	◆
31 W(Mo) veins and stockwork	◆	◆
32 Mo(W) veins and stockwork	◆	◆
33 Vein/replacement Pb-Zn	◆	◆
34 Mountain crystal bearing veins	◆	◆
6. Deposits Related to Alkaline Magmatic Rocks		
35 Magmatic nepheline	◆	◆
7. Sedimentary Mineral Deposits		
36 Sedimentary Fe (Mn)	■	■
37 Sedimentary Mn (Fe)	■	■
38 Sedimentary phosphate	■	■
8. Deposits Related to Metamorphosed Rocks		
39 Banded iron formation (BIF)	★	★
40 Quartz-(carbonate) vein Au	★	★
41 Talc metamorphic replacement	★	★
42 Metamorphic graphite	★	★
43 Metamorphic disten-(staurolite) andalusite-sillimanite	★	★
9. Deposits Related to Surficial Process		
44 Placer Au	▶	▶
45 Placer ilmenite	▶	▶

Mineral Resources	Deposit	Occurrence
1. Fuel Resources		
1 Brown coal	■	■
2 Hard coal	■	■
2. Gemstones		
3 Pyrope-chrysolite, nephrite, obsidian, chalcedony-agate, serpentinite, ophicalcite, granulated quartz with azurite, agalmatolite, onyx	■	■
3. Silica Resources		
4 Quartzic sand	■	■
4. Continental Lake Evaporates		
5 Salt or Halite	■	■
6 Sodium Sulfate Resources	■	■
5. Mineral Pigments		
7 Pigments, different colored clays	■	■
6. Sulfur Resources		
8 Sulfur	■	■
7. Minerals and Rocks for Construction uses:		
9 Clays	■	■
10 Sand	■	■
11 Sand and gravel	■	■
12 Clayey shale	■	■
13 Limestone	■	■
14 Dolomite	■	■
15 Perlite	■	■
16 Volcanic cinders and pumice	■	■
17 Stone Decorative	■	■
18 Crushed Stones, Building Stones, Dimension Stones	■	■



LEGEND FOR GEOLOGY



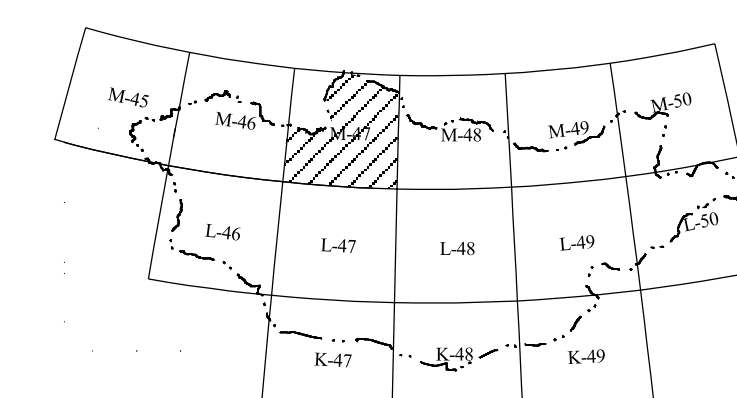
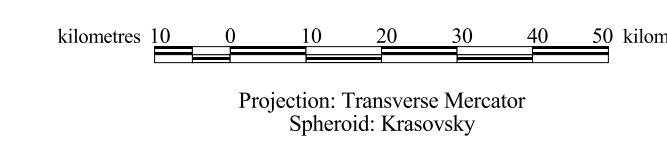
**GENETIC TYPES OF QUATERNARY DEPOSITS**  
a- alluvial p- proluvial  
l- lake dp- proluvial-talus  
g- glacial lp- lake-proluvial

**VOLCANIC AND SUBVOLCANIC ROCKS**  
Mafic: β - basalt, τβ - trachybasalt  
Intermediate: αβ - andesitebasalt, α - andesite, τ(α) - trachyandesite  
Felsic: λ - dacite, rhyolite, quartz porphyry, τλ - trachydacite, trachyrhyolite

**PLUTONIC ROCKS AND COMPLEXES**  
Ultramafic: σ - dunite, peridotite, serpentinite melange  
Mafic: σ1 - ultrabasic-basaltic layered series, η - anorthosite  
Intermediate: g1 - gabbro, gabbroiorite, γδ - gabbroiorite  
Felsic: γδ - granodiorite, tonalite, plagiogranite, γ - granite, leucogranite, γε - granosyenite, quartz syenite, subalkaline granite  
Alkaline: ε1γ - alkaline gabbro, ijolite, urtite, εε - nepheline syenite, alkaline syenite  
ε7γ - alkaline granite, γεγ - granite-alkaline granite

**OTHER SYMBOLS**  
Subvolcanic bodies  
Faults (normal, strike-slip and of an undetermined genesis)  
Important thrusts  
Geologic boundary  
Facies boundary  
Volcanic cone  
Moon  
Tunnel  
Provincial capital  
Villages  
Lakes  
Rivers  
Road

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Digital cartography by Bold Zai; Geological Information Center, MRAM 2001.  
Geology from Geological Map of Mongolia at scale 1:1,000,000 compiled in 1999 by: G. Badarch, Ts. Makhbador, D. Orolmaa, P. Khosbayar, O. Tomartogoo; Institute of Geology and Mineral Resources, Academy of Sciences of the Mongolia.  
Printed by Geological Information Center of MRAM in 2002. Ulaanbaatar

**Metals & Industrial Minerals Deposits & Occurrences in the Sheet M-47**  
*Compiled by Gunchingiin Dejidmaa*

Number in the M-47 sheet	Passport number in GIC	Deposit and occurrence name	Dep.	Occur.	Location						Major commodity	Minor commodity	Deposit type	Data source: Open File Report number in GIC, Mongolia
					Latitude			Longitude						
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1		Shishhid group		Occur.	51	44	00	98	26	00	Nephrite		Placer nephrite	3289, 4496
2		Shishhid group		Occur.	51	42	00	98	36	00	Nephrite		Placer nephrite	3289, 4496
3		Shishhid group		Occur.	51	40	00	98	33	00	Nephrite		Placer nephrite	3289, 4496
4		Shishhid group		Occur.	51	39	00	98	23	00	Nephrite		Placer nephrite	3289, 4496
5		Nuur baraan		Occur.	51	39	00	98	35	00	Nephrite		Nephrite replacement	3289, 4496
6		Uliastai		Occur.	51	39	00	98	37	00	Nephrite		Placer nephrite	3289, 4496
7	01000	Dergeregiin adag		Occur.	51	48	00	99	10	00	Phosphorites		Sedimentary phosphate	1750
8	01003	Utsegen		Occur.	51	36	00	99	14	00	Phosphorites		Sedimentary phosphate	1756
9	01002	Ust khogorgoi		Occur.	51	25	00	99	20	00	Phosphorites		Sedimentary phosphate	1750
10	01001	Dood nuur		Occur.	51	23	00	99	23	00	Phosphorites		Sedimentary phosphate	1756
11	01511	Unnamed №3		Occur.	51	52	00	99	34	00	Talc		Ultramafic-hosted talc metasomatite	1756
12	03936, 03937	Unnamed group occurrences (№2, №4)		Occur.	51	52	25	99	39	40	Asbestos		Serpentine-hosted asbestos	4770
13	01510, 03938, 01511	Burgaltain gol group (№8-A-iv-1, №533, №3)		Occur.	51	54	00	99	41	00	Talc		Ultramafic-hosted talc metasomatite	1756, 4770
14	01512	Shergis		Occur.	51	51	00	99	47	00	Au		Placer Au	346
15	03934	Uhaa hem-Burgaltai		Occur.	51	46	00	99	36	00	Au		Placer Au	4770
16	03931	Unnamed №9		Occur.	51	44	50	99	46	50	Cu	Mo, Ag, Bi	Granitoid related Cu	4770
17	01178	Burguut		Occur.	51	42	00	99	45	00	Asbestos		Serpentine-hosted asbestos	1750
18	01513, 00099	Ikh belchiriin gozgor (Khavhain golyn ekh)		Occur.	51	42	00	99	49	00	W, Sn	Cu, Zn	W-Sn veins	1827
19	1171, 03939, 03940	Ondor khoh group		Occur.	51	43	00	99	55	00	Graphite		Metamorphic graphite	1827, 4770
20	03935, 01005, 01004	Ust khavhain group		Occur.	51	36	00	99	36	00	Phosphorites		Sedimentary phosphate	1750, 1756, 4770
21	00100	Unnamed, №25		Occur.	51	26	00	99	54	00	W	Mo	W-Mo veins	1827

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
22		Unnamed, №1		Occur.	51	21	00	99	51	00	Cu	Pb, Zn (Au?)	Granitoid related Cu	1827
23	01030	Tavhai (Omnot Ukhaa gol)	Dep.		51	42	30	100	03	30	Phosphorites		Sedimentary phosphate	1827
24	05347	Unnamed, №17		Occur.	51	40	00	100	07	00	Graphite		Metamorphic graphite	1827
25	01163	Unnamed, №33		Occur.	50	51	00	98	07	00	Muscovite		Muscovite pegmatite	1750
26	01516	Uranhem		Occur.	50	56	00	98	21	03	Nb, Zr, TR	Ta,Th	Nb-Zr-REE alkaline metasomatites	1750, 4659
27	05002	Kharmain		Occur.	51	19	00	99	21	00	Phosphorites		Sedimentary phosphate	1730, 1756
28	00338	Tsagaan nuur	Dep.		51	13	45	99	23	10	Phosphorites		Sedimentary phosphate	1756
29	00896	Unnamed		Occur.	51	02	00	99	04	00	Phosphorites		Sedimentary phosphate	1756
30	05229	Khogiin gol		Occur.	51	03	00	99	09	00	Phosphorites		Sedimentary phosphate	1756
31	00898	Dood bayan gol		Occur.	51	03	00	99	14	00	Phosphorites		Sedimentary phosphate	1756
32	00894	Temeen suult		Occur.	50	54	00	99	08	00	Phosphorites		Sedimentary phosphate	1756
33	01518	Khoton gol		Occur.	51	14	00	99	56	00	Au		Granitoid related Au	486, 1812
34	01518	Khoton gol		Occur.	51	13	00	99	57	00	Au		Placer Au	486, 1812
35	00899	Maraat uul		Occur.	51	12	00	99	53	00	Phosphorites		Sedimentary phosphate	1756
36	05339	Kharaa gol		Occur.	51	00	00	99	58	00	Phosphorites		Sedimentary phosphate	1756
37		Unnamed		Occur.	50	42	00	99	35	00	Zr, Nb, TR	Ta	Zr-Nb-REE alkaline metasomatites	1759, 4286, 4659
38	00002	Arsaan		Occur.	50	42	00	99	50	00	Zr, Nb, TR	Ta, Li	Zr-Nb-REE alkaline metasomatites	1759, 4286, 4659
39	01522, 12-20	Dund khem gol		Occur.	50	42	30	99	51	00	Nepheline		Magmatic nepheline	1756, 4286
40	01525	Khornoony gol		Occur.	51	15	00	100	12	00	Mo	W, Au	W-Mo veins	1827
41	00350, 00895	Oliin davaa	Dep.		51	10	00	100	10	00	Phosphorites		Sedimentary phosphate	2499
42	01528, 01526, 01527	Khachim gol group occurrences		Occur.	51	06	00	100	17	00	Fe	Ti, V	Zoned mafic-ultramafic Ti-Fe	346, 1756, 1812
43	01529	Unnamed, №74		Occur.	51	04	00	100	10	00	Kianite, andalusite		Metamorphic disten-sillimanite-andalusite	1756
44	00893	Jiglig gol		Occur.	51	02	00	100	15	00	Phosphorites		Sedimentary phosphate	1666, 1756
45	04639	Shignuul gol		Occur.	51	16	30	100	52	58	Zr		Zr-Nb-REE alkaline metasomatites	5171
46	00344	Tashint		Occur.	50	57	00	100	00	00	Phosphorites		Sedimentary phosphate	4286
47	00336, 01023, 03352, 01191	Ikh tsagaan gol-Doloon tsagaan khadny group		Occur.	50	55	00	100	02	00	Phosphorites		Sedimentary phosphate	4286
48	01197	Baga tsagaan gol		Occur.	50	51	00	100	05	00	Phosphorites		Sedimentary phosphate	4286

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
49	00351, 01198	Saihan gol		Occur.	50	55	00	100	06	00	Phosphorites		Sedimentary phosphate	4286
50	00892, 01194	Urandosh	Dep.	Occur.	50	53	00	100	10	00	Phosphorites		Sedimentary phosphate	1626, 4029, 4236
51	3,-2, 01530, 15-31, 01532	Saihan gol-Baga tsagaan golyn group		Occur.	50	52	00	100	08	00	Mn	Fe	Sedimentary Mn	486, 938, 1772, 4286
52	00891	Khoh us gol		Occur.	50	52	00	100	12	00	Phosphorites		Sedimentary phosphate	1693
53	00339, 01196, 00345	Bayanzurh		Occur.	50	49	20	100	06	30	Phosphorites		Sedimentary phosphate	2499, 4286
54	01204	Khar us gol		Occur.	50	48	00	100	12	00	Phosphorites		Sedimentary phosphate	1693
55	01199, 00335, 01205, 01202	Nuurtyн am-Mongol yast golyn group		Occur.	50	46	00	100	04	00	Phosphorites		Sedimentary phosphate	1693, 2499, 4286
56	01203	Ikh uul group		Occur.	50	43	00	100	10	00	Phosphorites		Sedimentary phosphate	1693
57		Ikh uul		Occur.	50	42	00	100	06	00	Smoky quartz		Miarolitic and abyssal pegmatite	1693
58	04641	Tsagaan gol		Occur.	50	55	20	101	43	50	Au		Quartz vein Au	5171
59	04640	Armag gol		Occur.	50	50	30	101	53	40	Au		Quartz vein Au	5171
60		Lam taiga		Occur.	50	29	04	98	54	58	Fe		Sedimentary Fe	4746
61		Tsagaan asgat		Occur.	50	29	58	98	53	10	Au		Quartz vein Au	4746
62		Jarga uul		Occur.	50	27	00	98	50	10	Au		Quartz vein Au	4746
63		Pegmatite		Occur.	50	25	00	98	47	00	Au		Quartz vein Au	4746
64		Sharga uul		Occur.	50	24	00	98	48	50	Au		Quartz vein Au	4746
65	03890	Khонh davaa		Occur.	50	07	30	98	52	20	Cu	Pb,Zn,Sn	Cu skarn	1756, 4746
66	03905, 01537	Altargan golyn group		Occur.	50	18	45	98	55	00	Fe		Sedimentary Fe	3781, 4746
67	03891, 01536	Altan boom (Altan ovoo)		Occur.	50	17	32	98	56	00	Ta, Nb	Mo	Nb(Ta)-Zr-REE alkaline metasomatites	4746
68	03878	Khargana gol		Occur.	50	12	13	98	53	00	Mo		W-Mo veins and stockworks	4746
69	00244, 03892	Altargana	Dep.		50	10	06	98	58	10	Au		Placer Au	4746
70	03880	Tsagaan bulan (27-I-5)		Occur.	50	08	00	98	52	40	Au		Placer Au	4746
71	04618	Ovor khujirtyn gol		Occur.	50	13	10	98	39	50	Cu, Zn		Volcanogenic Cu-Zn massive sulfide (Ural type)	4863
72		Deed moron		Occur.	50	11	20	98	39	55	Cu, Zn	Pb	Volcanogenic Cu-Zn massive sulfide (Ural type)	4863
73	04617	Tavantolgoi		Occur.	50	09	00	98	37	00	Cu, Zn		Volcanogenic Cu-Zn massive sulfide (Ural type)	4863
74	04511	Songint uul		Occur.	50	11	10	98	44	45	Piezoquartz		Miarolitic and abyssal pegmatite	4863

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
75	03476, 03893	Khaisyn gol		Occur.	50	10	00	98	40	00	Au		Placer Au	4863
76	03477	Oglogyn gol		Occur.	50	05	00	98	42	00	Au		Placer Au	4863
77		Tsahirtolgoi		Occur.	50	02	38	98	39	50	Fe		Fe skarn	4863
78	01169	Khoh Khujirtyn nuruu		Occur.	50	06	00	98	37	00	Graphite		Metamorphic graphite	3781
79	01170	Unnamed, №64		Occur.	50	05	00	98	25	00	Graphite		Metamorphic graphite	1752
80	01162	lkh azarga		Occur.	50	05	00	98	23	00	Muscovite		Muscovite pegmatite	4863
81	03474	Nariin azarga		Occur.	50	01	40	98	29	00	Pb, Zn	Au, Ag	Sedimentary-exhalative (SEDEX) Pb-Zn	4863
82	00048	Mongosh		Occur.	50	37	00	99	24	00	V		Sedimentary stratiform U-V	44
83		Tsohyn		Occur.	50	36	00	99	19	00	V	Cu, As	Sedimentary stratiform U-V	44, 609
84	01168	Balbargiin		Occur.	50	34	00	99	25	00	Graphite		Metamorphic graphite	51
85		Ar gol		Occur.	50	28	20	99	53	55	Th, Nb, Zr	TR, U	Th(U)-Nb-Zr(REE) alkaline metasomatites	1725, 3235, 3977, 4659
86	01542	Beltesiin gol		Occur.	50	26	00	99	20	00	Fe		Fe skarn	609
87	12, - 2	Beltesiin gol	Dep.		50	25	30	99	23	43	Nepheline		Magmatic nepheline	3781, 3977, 4190
88	01190	Dund gyalaany		Occur.	50	18	00	99	22	00	Phosphorites		Sedimentary phosphate	3977
89	12, -3	Doshiin gol	Dep.		50	22	20	99	37	10	Nepheline		Magmatic nepheline	3977, 4190
90	1543	Berkhemsh		Occur.	50	24	00	99	38	00	Cu		Cu skarn	3977
91		Berkhemsh		Occur.	50	25	15	99	39	15	Talc		Talc replacement	3977
92	05003	Tsagaan chuluut		Occur.	50	22	00	99	46	00	W		W-Mo skarn	3977
93		Surtyn gol		Occur.	50	22	00	99	36	00	Graphite		Metamorphic graphite	3977
94	12, - 4	Ovor maraat	Dep.		50	17	20	99	42	00	Nepheline		Magmatic nepheline	1914, 3977
95	01167	Ujig		Occur.	50	16	00	99	44	00	Graphite		Metamorphic graphite	3977
96		Ujig gol		Occur.	50	15	40	99	46	43	Th, Nb, Zr	TR, U	Th(U)-Nb-Zr(REE) alkaline metasomatites	3977, 4519, 4659
97	01545	Bulgiin over		Occur.	50	16	00	99	32	00	Nb		Ta-Nb-REE alkaline metasomatites	3977
98		Khagiin nuur		Occur.	50	16	00	99	37	00	Th, Nb, Zr	TR, U	Th(U)-Nb-Zr(REE) alkaline metasomatites	1759, 2433, 3977, 4659
99	01549	Khagiin nuur		Occur.	50	14	00	99	35	00	Nepheline		Magmatic nepheline	1759, 2433, 3977, 4659
100	01566	Kheteinii		Occur.	50	04	00	99	25	00	Nb, TR	Li	Ta-Nb-REE alkaline metasomatites	1914, 3642
101		Ovor maraat		Occur.	50	08	20	99	38	45	Graphite		Metamorphic graphite	3977
102	01189	Ujgiin gol		Occur.	50	10	20	99	55	30	Phosphorites		Sedimentary phosphate	3642
103	01550	Baruun manhan		Occur.	50	06	00	99	55	00	Nepheline		Magmatic nepheline	1914

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
104	00372	Alag Ergene		Occur.	50	05	00	99	54	10	U		Th(U)-Nb-Zr(REE) alkaline metasomatites	2433, 3642, 4659
105		Zuun shuvuut		Occur.	50	02	00	99	54	00	Phosphorites		Sedimentary phosphate	3642
106	00175	Khoh chuluut		Occur.	50	00	00	99	58	00	Nepheline		Magmatic nepheline	3642
107	00341	Ikh uul (Ulaan khad)		Occur.	50	38	00	100	05	00	Phosphorites		Sedimentary phosphate	1772, 2499, 4286
108	00031	Unnamed		Occur.	50	38	00	100	07	00	Cu		Cu skarn	4286
109	00428	Ongolig nuur	Dep.	Occur.	50	37	00	100	10	00	Phosphorites		Sedimentary phosphate	1772, 4286, 4029
110		Yolt gol		Occur.	50	36	00	100	00	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4496
111	01568	Yolt gol		Occur.	50	35	00	100	02	00	Pb, Ag	Cu, Sb, Sn, Cd	Granitoid related vein/replacement Pb-Zn	938
112	01435	Unnamed, №2		Occur.	50	33	00	100	13	00	Pb		Granitoid related vein/replacement Pb-Zn	1725
113	00342	Janhai	Dep.		50	34	30	100	06	30	Phosphorites		Sedimentary phosphate	1666, 1772, 1756, 1876, 2499
114		Ust gol		Occur.	50	28	30	100	05	30	Nb, Zr, TR		Nb-Zr-REE alkaline metasomatites	1725, 3649, 4659
115		Khargana gol	Dep.		50	24	00	100	02	00	Graphite		Metamorphic graphite	1725, 3649
116	01438	Khargany		Occur.	50	22	00	100	01	00	Fe		Fe skarn	1725, 3649
117	00065	Berh (№49)		Occur.	50	19	00	100	03	00	Th		Th(U)-Nb-Zr(REE) alkaline metasomatites	1725
118	01193	Khargany sair (№8)		Occur.	50	24	00	100	06	00	Phosphorites		Sedimentary phosphate	1725
119	05009, 00346	Berkhim uul		Occur.	50	22	00	100	05	00	Phosphorites		Sedimentary phosphate	1725, 3649
120	01437	Egiin gol		Occur.	50	23	00	100	12	00	Nb	Zr	Ta-Nb-REE alkaline metasomatites	1725
121	01439	Aduun gol		Occur.	50	19	00	100	13	00	Nb	Zr	Ta-Nb-REE alkaline metasomatites	1725
122	00331	Manhan uul	Dep.		50	17	00	100	08	00	Phosphorites		Sedimentary phosphate	1725, 3649, 3822, 3973
123	01186	Unnamed (№71)		Occur.	50	14	00	100	13	00	Phosphorites		Sedimentary phosphate	1725
124	01446, 00181	Miros ovoo		Occur.	50	11	20	100	00	25	Fe	Cu, Pb, Zn	Fe skarn	1725, 3649
125	00340	Dalan		Occur.	50	11	20	100	04	10	Phosphorites		Sedimentary phosphate	3642
126		Alag Erdene		Occur.	50	05	23	100	01	30	Mn		Sedimentary Mn	3649
127	01058, 01182	Shirengot		Occur.	50	03	28	100	09	40	Phosphorites		Sedimentary phosphate	3649
128	05554, 00347, 01184	Gezegiin dorolj-Taishintyn group		Occur.	50	00	00	100	01	00	Phosphorites		Sedimentary phosphate	3649
129	01448	Unnamed, №84		Occur.	50	00	32	100	05	40	Fe		Fe skarn	3649
130		Unnamed		Occur.	50	01	30	100	24	00	Mn		Sedimentary Mn	3976
131	01441	Magnetite, №30		Occur.	50	16	52	100	20	20	Fe	Mn	Sedimentary Fe	3649



0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
132	01442	Quartzic		Occur.	50	14	00	100	17	00	Au		Granitoid related Au	3649
133	01440	Yarhis gol		Occur.	50	16	50	100	23	30	(Th-U), TR, Zr	Nb, Mo	Th(U)-Nb-Zr(REE) alkaline metasomatites	1725, 325, 3649, 4659
134	00195	Delger uul		Occur.	50	02 ?	00	100	21	00	Au		Granitoid related Au	3976
135	01567	Khurilt gol		Occur.	50	39	00	100	46	00	Pb	Zn, Cu	Granitoid related vein/replacement Pb-Zn	370, 1821
136	033	Terhiin tsagaan uul		Occur.	50	08	00	100	53	00	Cu, Ag	Au?	Granitoid related Cu	4838
137	036	Baga nuur		Occur.	50	40	00	101	53	00	Talc		Serpentine-hosted talc replacement	4838
138	034	Unnamed		Occur.	50	20	00	101	05	02	Pb	Cu, Pb	Granitoid related vein/replacement Pb-Zn	4838
139		Top of 1975,7 м		Occur.	50	16	00	101	22	00	Nephrite		Nephrite replacement	3710, 4838
140		Baruunbayan		Occur.	50	16	00	101	38	00	Nephrite		Nephrite replacement	3710, 4838
141		Uлentiin gol		Occur.	50	15	00	101	48	00	Nephrite		Nephrite replacement	3710, 4838
142	01177	Uлentiin gol		Occur.	50	13	00	101	46	00	Asbestos		Serpentine-hosted asbestos	4838
143	037	Bayan Ondor		Occur.	50	11	25	101	08	30	Talc		Talc replacement	4838
144	032	Ulyadyn khoshuu		Occur.	50	08	40	101	15	30	Cu	Pb,Zn	Granitoid related Cu	4838
145	035	Egiin gol		Occur.	50	08	40	101	36	00	Au		Granitoid related Au	4838
146		Shar khudag		Occur.	49	47	00	96	28	00	Fe, Zn	Cu, Pb, Ag	Fe-Zn skarn	3592
147	01161	Unnamed, №271-272		Occur.	49	43	00	96	45	00	Muscovite		Muscovite pegmatite	614, 3592
148	00170	Bujgar uul		Occur.	49	41	00	96	36	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	3592
149	01452	Tsahirtolgoi (Bayan uul)		Occur.	49	36	00	96	09	00	Fe		Sedimentary Fe	3592
150	01453	Menget uul		Occur.	49	33	00	96	56	00	Fe, Zn	Pb	Fe-Zn skarn	3592
151	01455	Magnetityn		Occur.	49	31	00	96	43	00	Fe		Fe skarn	3592
152	01454	Khoit Argalant		Occur.	49	32	00	96	47	00	Fe, Zn	Pb	Fe-Zn skarn	3592
153	01456	Sharain khudag		Occur.	49	27	00	96	48	00	Zn	Fe	Fe-Zn skarn	2723, 3592
154	01011	Dongio uul-Khorin modny group		Occur.	49	26	00	96	54	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4189
155	01010, 01008, 01009, 01012	Davhar ulaan uulyn group		Occur.	49	27	00	96	59	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4189
156	01013	Jaandai	Dep.		49	25	00	96	57	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	3592, 4189
157	01457	Asgat uul		Occur.	49	22	00	96	36	00	Zn		Granitoid related vein/replacement Pb-Zn	3592
158	01458	Baga ikh Yamaat (Khusyn gol)		Occur.	49	46	00	97	06	00	Li		Li pegmatite	3041
159	01459	Duryn tombon uul		Occur.	49	41	10	97	39	25	Fe		Fe skarn	3041

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
160	00480	Most gol		Occur.	49	42	00	97	46	00	Phosphorites		Sedimentary phosphate	3041
161	01460	lkh khargany gol		Occur.	49	25	00	97	24	00	Fe		Fe skarn	3041
162	01007	Unnamed, №12		Occur.	49	22	00	97	20	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	3041
163		Mogoin gol		Occur.	49	22	00	97	51	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	3041
164	00050	Unnamed		Occur.	49	50	00	98	04	00	Graphite		Metamorphic graphite	340, 3045
165	00486	Unnamed, №3		Occur.	49	53	00	98	16	00	Zn	Cu, Ag, Sb	Granitoid related vein/replacement Pb-Zn	3045
166	01461	Tsagaan uul		Occur.	49	53	00	98	43	00	W		W-Mo skarn	3045, 4428
167	05333	Unnamed, №2		Occur.	49	51	00	98	41	00	Piezoquartz		Miarolitic and abyssal pegmatite	1750, 3045
168	05341	Unnamed, №16a		Occur.	48	49	00	98	49	00	Graphite		Metamorphic graphite	3045
169	00581	Gurvan buudal uul		Occur.	49	45	00	98	33	00	Au		Granitoid related Au	4428
170	01462	Agar		Occur.	49	42	00	98	07	00	Pb	Zn	Granitoid related vein/replacement Pb-Zn	3045
171	00067	Unnamed, №21		Occur.	49	39	00	98	32	00	Mountain quartz		Miarolitic and abyssal pegmatite	1750, 3045
172	01463	Unnamed, №33		Occur.	49	38	00	98	45	00	Fe		Sedimentary Fe	3045, 4496
173	00573	Khunh tsahir		Occur.	49	36	00	98	23	00	Pb, Zn	Cu, Mo, W	Sedimentary-exhalative (SEDEX) Pb-Zn	4428
174	01464	Jinst (№22)		Occur.	49	35	00	98	20	00	Sn	W, Bi, Ta, Nb	W-Sn greisen	3045, 4428
175	00571	Dargia uul		Occur.	49	33	00	98	41	00	Ta-Nb		Ta-Nb-REE alkaline metasomatites	4428
176	00583	Deed ulaan tolgoi		Occur.	49	32	00	98	41	00	Pb, Zn	Cu, Ag, Au, Mo	Granitoid related vein/replacement Pb-Zn	4428
177	00475	Asgat uul		Occur.	49	30	00	98	33	00	Smoky quartz		Miarolitic and abyssal pegmatite	3045
178	05340	Unnamed, №37		Occur.	49	29	00	98	37	00	Piezoquartz		Miarolitic and abyssal pegmatite	3045
179	01465	Unnamed, №18a		Occur.	49	33	00	98	24	00	Ti		Placer ilmenite	3045
180	01466	Unnamed, №25a		Occur.	49	29	00	98	22	00	Ti		Placer ilmenite	3045
181	01467	Jargalantyn gol (№38a)		Occur.	49	24	00	98	03	00	Ti		Placer ilmenite	3045
182	03889	Unnamed,(127-III-8)		Occur.	49	55	12	99	00	50	Zeolite		Volcanic-hosted zeolite	4746
183		Kharchuluut		Occur.	49	59	30	99	45	30	Phosphorites		Sedimentary phosphate	3642
184	353, 314-327, 328-330, 332	Burenhaan	Dep.		49	47	54	99	58	24	Phosphorites		Sedimentary phosphate	3593, 3642, 3817, 3827, 3828, 3973
185	01469	Khudergiin		Occur.	49	57	05	99	31	45	Fe		Sedimentary Fe	1914, 3642, 3642
186	1468	Khuderiin		Occur.	49	57	00	99	34	00	W, Mo		W-Mo skarn	3642, 4379
187	01471	Arshaan		Occur.	49	53	00	99	49	00	W		W-Mo skarn	3642, 4379
188	01472	Erhil nuur		Occur.	49	51	00	99	48	00	Fe, Zn	Cu, Sn, Ag	Fe-Zn skarn	1812

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
189	00178	Burenhaan		Occur.	49	50	00	99	58	00	Al		Magmatic nepheline	3642
190	01475	Burenhaan		Occur.	49	49	00	99	55	00	Cu	Sn, Zn, Pb, Bi	Cu skarn	3146, 3642
191	03996	Buyantyn bulag		Occur.	49	46	50	99	24	10	Au		Placer Au	4839
192	01473	Khureenchuluut		Occur.	49	50	30	99	31	00	Fe		Sedimentary Fe	1914, 3642
193	05008	Baruun,(№7)		Occur.	49	48	00	99	32	00	Phosphorites		Sedimentary phosphate	3642
194		Buyant, (№23)		Occur.	49	45	00	99	48	00	Phosphorites		Sedimentary phosphate	3642
195	1474	Khitagiin gol (Vanadium, №18)		Occur.	49	49	00	99	50	00	V	U, Mo	Sedimentary stratiform U-V	3642, 4040
196	01476	Thahiruul (№21)		Occur.	49	46	20	99	53	25	V	U, phosphate	Sedimentary stratiform U-V	3642, 4040
197	01183	Ulaan dorvoljin		Occur.	49	44	00	99	55	00	Phosphorites		Sedimentary phosphate	3642
198	01483	Buyant (№83)		Occur.	49	44	00	99	47	00	V	U	Sedimentary stratiform U-V	3642
199	01477	Manganese		Occur.	49	40	45	99	58	40	Mn		Sedimentary Mn	3642, 3832, 4040
200	01478, 03808	Ulaan nuur		Occur.	49	38	50	99	19	40	Mo		W-Mo greisen	2256
201	03994	Tsagaantolgoi		Occur.	49	40	25	99	39	30	Mo		W-Mo greisen	2256, 3832
202	01480	Baruun mandal uul		Occur.	49	37	00	99	21	00	Fe		Sedimentary Fe	2256
203	05332, 03993	Minjuurt		Occur.	49	32	00	99	00	00	Cu		Cu skarn	1812, 2256, 4839
204	05337	Unnamed, №70		Occur.	49	32	00	99	33	00	Smoky quartz		Miarolitic and abyssal pegmatite	4496
205	05137	Tsagaan uushig uul		Occur.	49	38	00	99	46	00	Phosphorites		Sedimentary phosphate	4633
206	05136	Eruunii tsahir uul		Occur.	49	36	00	99	49	00	Phosphorites		Sedimentary phosphate	4633
207	05235	Baga tsagaan uul		Occur.	49	32	55	99	48	58	Phosphorites		Sedimentary phosphate	4633
208	01482	Tsagaan nuruu		Occur.	49	31	00	99	44	00	Fe		Fe skarn	2256
209		Unnamed, 92-B		Occur.	49	31	52	99	49	00	Fe, Zn		Fe-Zn skarn	2256
210	01484	Urd chuluut		Occur.	49	26	00	99	51	00	Pb, Zn	Cu, Ag	Granitoid related vein/replacement Pb-Zn	2256
211	03992	Unnamed, №91		Occur.	49	21	30	99	20	25	Pb, Zn		Granitoid related vein/replacement Pb-Zn	4839
212	03991	Jimbetolgoi		Occur.	49	20	50	99	30	05	Cu		Porphyry Cu-Mo	4839
213		Suultolgoi	Dep.		49	58	00	100	03	00	Phosphorites		Sedimentary phosphate	3642
214	01176	Tsagaan burgas		Occur.	49	58	00	100	17	00	Asbestos		Serpentine-hosted asbestos	1507, 3563, 3976
215		Alag tolgoi		Occur.	49	58	00	100	26	00	Cr	Ni	Magmatic podiform Cr	3976
216	01488	Egiin gol		Occur.	49	56	00	100	23	00	Ni, Cu	Cr	Cu-Ni sulfide mafic-ultramafic related	3976
217	01175	Khoh tseh ovoo		Occur.	49	56	00	100	24	00	Asbestos		Serpentine-hosted asbestos	1507, 3563

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
218	05135	Unnamed, 82-A-I-2-4		Occur.	49	58	00	100	35	00	Asbestos		Serpentine-hosted asbestos	4633
219	211	Altgana gol		Occur.	49	51	00	100	25	00	Mo	W	W-Mo greisen	3976
220	01174	Bayan sairyn ovoo		Occur.	49	52	00	100	44	00	Asbestos		Serpentine-hosted asbestos	4633
221		Khujirtyn davaa		Occur.	49	47	30	100	03	00	Nb, Zr, TR	Ta	Nb-Zr-REE alkaline metasomatites	4633, 4659
222	01492	Khan jargalant uul		Occur.	49	42	30	100	03	40	Fe	Cu	Fe skarn	2660, 3642
223		Unnamed		Occur.	49	43	00	100	15	00	Nb, Zr, TR		Nb-Zr-REE alkaline metasomatites	1633, 4659
224	01493	Alagtolgoi		Occur.	49	40	00	100	45	00	Mo, W		W-Mo greisen	2660, 3832, 4633
225	01497	Magnetityn		Occur.	49	37	00	100	18	00	Fe		Fe skarn	1820, 2660, 4633
226		Mineralized part: 93-B-III - 1 - 2		Occur.	49	23	16	100	02	35	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4633
227	01495	Unnamed		Occur.	49	22	00	100	03	00	Au		Granitoid related Au?	2660, 4633
228	01494	Donhor bulag		Occur.	49	22	00	100	10	00	Pb	Cu	Granitoid related vein/replacement Pb-Zn	2660, 4633+P790
229	01173	Buchiin gol		Occur.	49	56	00	101	35	00	Asbestos		Serpentine-hosted asbestos	3563
230	00080	Zalaat		Occur.	49	52	45	101	52	30	Fe		Zoned mafic-ultramafic Ti-Fe	1500
231	031	Jinst uul		Occur.	49	46	15	101	31	00	Cu	Pb,Zn	Basaltic Cu	4838
232	01500	Unnamed		Occur.	49	47	00	101	52	00	Cu		Cu skarn	1828
233	00371	Ikh uul		Occur.	49	30	00	101	39	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	2660
234	00027	Oigon nuur		Occur.	49	08	00	96	06	00	Smoky quartz		Miarolitic and abyssal pegmatite	1751, 2723
235	01554	Onts uul		Occur.	49	10	00	96	18	00	Cu		Gabbroic Cu-Ni	2723
236	01553	Kharaat uul		Occur.	49	14	00	96	42	00	Cu		Cu skarn	2723
237	05004	Jinsen gol		Occur.	49	16	00	96	48	00	Cu		Cu skarn	2723
238	01552	Jinsen gol		Occur.	49	15	00	96	50	00	Fe, Zn		Fe-Zn skarn	2723
239	01557	Shatain ovoo		Occur.	48	43	00	96	11	00	Zn	Fe, Pb	Fe-Zn skarn	2723
240	01556	Tahilt nuur		Occur.	48	46	00	96	45	00	Cu		Gabbroic Cu-Ni	2723
241	01559	Skarny		Occur.	49	12	00	97	41	00	Cu		Cu skarn	1719, 2986
242	00481	Tagiin nuur		Occur.	48	58	00	97	15	00	Mo, Cu		Porphyry Cu-Mo	2986
243	00103	Ondor ulaan		Occur.	48	53	00	97	08	00	Mo, Cu		Porphyry Cu-Mo	3122
244	00105	Ikh uul		Occur.	48	59	00	97	51	00	Pb	Zn, Cu, Ag	Granitoid related vein/replacement Pb-Zn	3122
245	00106	Davaa		Occur.	48	56	00	97	44	00	Mo, Cu	W	Porphyry Cu-Mo	3122
246	00107	Quartzitic		Occur.	48	57	00	97	50	00	Mo, Cu	W	Porphyry Cu-Mo	3122

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
247		Deed shumuultai		Occur.	48	56	00	97	56	00	Mo, Cu		Porphyry Cu-Mo	3122
248		Bogdyn arshaan		Occur.	48	48	00	97	30	00	Fe, Sn	Cu	Fe(Sn) skarn	1755
249	00467	Jarantai		Occur.	49	13	00	98	03	00	Phosphorites		Sedimentary phosphate	2981
250	00466	Bugat gol		Occur.	49	16	00	98	45	00	W, Mo	Sn	W-Mo skarn	2981
251		Dund bulgiin uul		Occur.	48	48	00	98	03	00	Fe	Mn	Sedimentary Fe	1759, 2981
252	01572	Zost uul		Occur.	48	42	00	98	20	00	Mo, Cu		Porphyry Cu-Mo	2989, 3122
253	00453	Unnamed, №1		Occur.	49	16	00	99	15	00	Pb, Zn		Granitoid related vein/replacement Pb-Zn	2651
254	00093	Bugsein gol		Occur.	49	11	00	99	42	00	Mo, Cu		Porphyry Cu-Mo	1814, 1828
255	05342	Unnamed, №12		Occur.	48	54	00	99	31	00	Talc		Ultramafic-hosted talc metasomatite	2651, 4496
256	01485	Shine - Ider		Occur.	48	55	00	99	40	00	Be		Be pegmatite	1814, 2283
257	01575	Unnamed		Occur.	48	56	00	99	42	00	Muscovite		Muscovite pegmatite	1812, 2283
258	01574	Unnamed		Occur.	48	58	00	99	46	00	Muscovite		Muscovite pegmatite	1812, 2283
259	01577	Unnamed		Occur.	48	54	00	99	56	00	Muscovite		Muscovite pegmatite	1812, 2283
260	01581	Ovor teeliin gol		Occur.	49	18	00	100	41	00	Pb		Granitoid related vein/replacement Pb-Zn	2256
261	04693	Ikh elgediin gol		Occur.	48	54	50	100	34	40	Au		Placer Au	4874
262	01582	Bumbat		Occur.	48	44	00	100	02	00	Fe	Cu, W, Sn	Fe skarn	2283
263	01033	Unnamed		Occur.	48	42	00	100	02	00	Smoky quartz		Miarolitic and abyssal pegmatite	1641, 2283
264	01583	Ikh khujirtyn khuree		Occur.	48	43	00	100	18	00	Mo, Cu		Porphyry Cu-Mo	1814, 1828, 2283
265	01028	Gurvan yargaityn nuruu		Occur.	48	44	00	100	23	00	Smoky quartz		Miarolitic and abyssal pegmatite	1812
266	00363	Bayangol		Occur.	48	46	15	100	41	00	Mo, Cu	Pb, Zn	Porphyry Cu-Mo	2283
267	00343	Amny bulag		Occur.	49	15	00	101	34	00	Mo, W	Ag, Cu	W-Mo greisen	2043
268	04690	Darhit bulag		Occur.	48	58	30	101	11	30	Pb, Zn	Ag	Granitoid related vein/replacement Pb-Zn	4864
269	01032	Unnamed		Occur.	48	42	00	101	10	00	Smoky quartz		Miarolitic and abyssal pegmatite	1641
270	01587	Yargait		Occur.	48	47	00	101	19	00	Mo, Cu		Porphyry Cu-Mo	3703
271	01586	Zost tolgoi		Occur.	48	43	00	101	25	00	Mo, Cu	Ag, W	Porphyry Cu-Mo	3703
272	01585	Gua ulaan uul		Occur.	48	55	00	101	53	00	Mo, Cu	Au, Ag	Porphyry Cu-Mo	2043, 3703
273	00169	Unnamed, №173		Occur.	48	26	00	96	17	00	Smoky quartz		Miarolitic and abyssal pegmatite	3756
274	01588	Burgast		Occur.	48	18	00	97	05	00	Pb, Zn	Cd, Ag	Pb-Zn skarn	3576
275		Khar nuur		Occur.	48	18	00	96	09	00	Fe, Zn	Pb, Ag, Cu	Fe-Zn skarn	3576

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
276	05346	Khandyn davaa		Occur.	48	07	00	96	00	00	Fe	Cu	Fe skarn	1420
277	01592	Tsagduult uul		Occur.	48	04	00	96	14	00	Mo, W		W-Mo greisen	3576
278		Unnamed		Occur.	48	12	40	96	24	00	Fe, Zn	Pb, Cu, Ag, Au	Fe-Zn skarn	3576
279		Khuren asakh		Occur.	48	09	00	96	27	45	Pb, Zn	Cu, W, Mo	Pb-Zn skarn	3576
280		Ondor mandal		Occur.	48	08	48	96	28	45	Nb, Zr, TR		Nb-Zr-REE alkaline metasomatites	3576, 4659
281	01589	Khuren asga uul		Occur.	48	08	00	96	23	00	Mo	Ag, Pb, Au, W	W-Mo greisen	3576
282		Unnamed		Occur.	48	07	30	96	23	20	Pb, Zn	Cu, Bi, Ag, Au	Granitoid related vein/replacement Pb-Zn	3576
283	01591	Khag nuur		Occur.	48	04	00	96	30	00	Mn	Fe	Sedimentary Mn	3576
284	00130	Ogoodei uul		Occur.	48	40	00	97	34	00	Pb, Zn	Fe, Ag, Cu, Cd	Pb-Zn skarn	3576
285	01481	Naranbulag		Occur.	48	34	00	97	47	00	Mo, Cu	Ag, Au	Porphyry Cu-Mo	1751, 2571, 3212, 3576
286	00071	Unnamed		Occur.	48	24	00	97	45	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	1751
287	00143	Unnamed,124-B-4,5		Occur.	48	24	00	97	38	00	Cu, Ni	Ag, Co	Gabbroic Cu-Ni	3576
288	00073	Unnamed, №2		Occur.	48	21	00	97	29	00	Smoky quartz		Miarolitic and abyssal pegmatite	1755
289	01593	Ortoonii ondor		Occur.	48	20	00	97	11	00	Fe		Fe skarn	1755, 2248
290		Unnamed		Occur.	48	18	00	97	08	45	Fe, Zn		Fe-Zn skarn	3576, 4656
291		Zagastain gol		Occur.	48	16	00	97	12	00	Fe, Zn	Cd, Pb, Cu, Ag	Fe-Zn skarn	3576, 4656
292		Unnamed		Occur.	48	14	15	97	05	00	Fe, Zn	Pb, Mo, Cu, Ag	Fe-Zn skarn	3576, 4656
293		Unnamed		Occur.	48	15	00	97	21	30	Fe, Zn	Pb, Cu, Ag, Sn, Mo	Fe-Zn skarn	3576, 4656
294		Unnamed		Occur.	48	18	15	97	29	45	Fe, Zn	Cu, Pb, Ag, Cd	Fe-Zn skarn	3576, 4656
295	01597	Tsart		Occur.	48	39	00	98	45	00	Mo	W, Ag	W-Mo veins	1760, 3711
296	00182, 01031	Tsartain golyn group		Occur.	48	38	00	98	53	00	Smoky quartz		Miarolitic and abyssal pegmatite	3711
297	01598	Tsetsuuh		Occur.	48	36	00	98	57	00	Cu		Porphyry Cu-Mo	1760, 3711
298	01600	Unnamed, №20		Occur.	48	31	00	98	55	00	Muscovite		Muscovite pegmatite	1760, 3711
299		Deed tsetsuuihin gol		Occur.	48	28	00	98	55	00	Muscovite		Muscovite pegmatite	1760, 3711
300	04156	Dood tsetsuuh		Occur.	48	33	30	99	11	30	Au		Placer Au	5035
301	00148	Jargalant		Occur.	48	34	40	99	14	45	Fe		Zoned mafic-ultramafic Ti-Fe	3684, 5035
302	00144	Salbart		Occur.	48	38	06	99	49	15	Fe		Banded iron formation (BIF)	3684
303	00146	Khaluun usny gol		Occur.	48	33	37	99	55	15	Fe	Ti, V	Fe skarn	3684
304	02212	Deed salbartai		Occur.	48	31	22	99	49	15	Fe		Banded iron formation (BIF)	3684

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
305	04155	Ikh baits	Dep***.		48	27	20	99	50	20	Au		Placer Au	5035
306	01729	Tsahaan khonh		Occur.	48	22	00	99	50	00	Mo	Bi, Li	W-Mo greisen	3684, 5035
307	04699	Solongot gol		Occur.	48	09	00	99	00	00	Au	Ag	Granitoid related Au	3684
308	02399	Solongot		Occur.	48	09	51	99	01	00	Cu	W, Au, Ag	Cu skarn	3684
309	04697	Solongotyn gol		Occur.	48	07	32	99	05	26	Cu		Cu skarn	3684
310	01029, 01030	Samtyn golyn group		Occur.	48	13	00	99	13	00	Smoky quartz		Miarolitic and abyssal pegmatite	1641, 3228, 4496
311	02236	Tariatyn gol		Occur.	48	12	50	99	26	55	Au		Granitoid related Au	3684
312	04695, 01601	Bayan uulyn group		Occur.	48	09	18	99	20	40	Fe	Ti, V	Zoned mafic-ultramafic Ti-Fe	3684
313	04696	Most uul		Occur.	48	07	15	99	22	15	Fe	Ti, V	Zoned mafic-ultramafic Ti-Fe	3684
314	00147	Terhiin gol		Occur.	48	05	00	99	18	00	Fe	Ti, V	Zoned mafic-ultramafic Ti-Fe	3684
315	00145	Bayasgalan uul		Occur.	48	00	48	99	25	55	Fe	Ti, V	Zoned mafic-ultramafic Ti-Fe	3684
316	01603, 04698	Terhiin tsagaan nuur		Occur.	48	07	45	99	50	50	W	Ag, Au	W-Mo veins	3684
317		Shavryn tsaram	Dep.**		48	03	00	99	59	00	Pyrope	Chrysolite, sanidine	Placer pyrope	2625
318	01605	Oltiin gol		Occur.	48	00	00	99	50	20	Fe		Sedimentary Fe	3684
319	01025	Otochyn dugana-Altatyn golyn group		Occur.	48	27	45	100	14	30	Smoky quartz		Miarolitic and abyssal pegmatite	1401, 3228
320	01027	Khavchigiin davaa		Occur.	48	25	10	100	19	00	Smoky quartz		Miarolitic and abyssal pegmatite	1569, 4496
321	05343	Alingir		Occur.	48	25	27	100	24	00	Cu	Pb, Zn	Granitoid related Cu	3228
322	04703, 01026	Alingiryin golyn group		Occur.	48	25	00	100	26	00	Smoky quartz		Miarolitic and abyssal pegmatite	1401, 1569, 4496
323		Moron		Occur.	48	16	00	100	22	00	Smoky and mountain quartz		Miarolitic and abyssal pegmatite	3228
324	01024	Unnamed		Occur.	48	10	00	100	51	00	Smoky quartz		Miarolitic and abyssal pegmatite	1641
325	00116	Tsuuriin gorhi		Occur.	48	10	54	100	53	30	Cu		Granitoid related Cu	3228
326	01607	Shavartain gol		Occur.	48	02	00	100	12	00	Fe	Mn	Sedimentary Fe	3228
327	05345	Teeliin gol		Occur.	48	02	35	100	37	00	Fe	Mn	Sedimentary Fe	3228
328	01023	Unnamed		Occur.	48	00	00	100	55	00	Smoky quartz		Miarolitic and abyssal pegmatite	1641
329	01609	Burigiin gorhi		Occur.	48	37	15	101	08	00	Mo, Cu		Porphyry Cu-Mo	2283
330	00364	Urtyn gol		Occur.	48	23	00	101	46	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	2283
331	00113	Khyasaa bulag		Occur.	48	20	00	101	06	00	Cu	Pb	Granitoid related Cu	3228
332	01608	Usny gazar		Occur.	48	19	30	101	02	30	Cu	Au, Ag, Mo	Granitoid related Cu	3228

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
333	00114	Ider uul		Occur.	48	13	00	101	37	00	Cu	Mo, Pb	Granitoid related Cu	3228
334	01611	Khavtgai mod		Occur.	48	09	00	101	55	00	Cu	Mo, Pb	Granitoid related Cu	3228
335	01612	Khuiten nuur		Occur.	48	05	00	101	56	00	Au		Granitoid related Au	3228
336	05344	Khunuin		Occur.	48	01	00	101	25	00	Cu	Mo, Pb	Granitoid related Cu	3228
337	01022	Unnamed, №9		Occur.	48	02	00	101	45	00	Mountain crystal		Mountain crystal bearing veins	1753

Explanation: \*\*\*- Deposits in operation; \*\*- Deposits mined out, but there is small amount of reserves; \*- Deposits mined out; \*- Occurrences with small ancient openpits on surface.



### Mineral Deposits and Occurrences in the Sheet M - 47

(Fuel Resources, Gemstones, Silica Resources, Continental Lake Evaporates,  
Mineral Pigments, Sulfur Resources, and Minerals and Rocks for Construction Uses)

1:200000 scale Sheet	No.	Number in M - 47	Passport number	Deposit and Occurrence  Name	Dep.	Occur.	Location						Major Resources	Minor Resources	Mineral Resources Group	Information Sources (Open File Report number in GIC)
							Latitude			Longitude						
							deg.	min.	sek.	deg.	min.	sek.				
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
III	1	1		Ih choromneg		Occur.	51	44	00	98	26	00	Nephrite, green (Placer)		Gemstones	3710;
	2	2		Khar baraan		Occur.	51	42	00	98	36	00	Nephrite, green (Placer)		Gemstones	3710;
	3	3		Baga ar taiga		Occur.	51	40	00	98	33	00	Nephrite, green (Placer)		Gemstones	3710;
	4	4		Nuurtbaraany Nuden gorhi		Occur.	51	39	00	98	23	00	Nephrite, green (Placer)		Gemstones	3710;
	5	5		Nuurtbaraan		Occur.	51	39	00	98	35	00	Nephrite, green		Gemstones	3710;
	6	6		Uliastai		Occur.	51	39	00	98	37	00	Nephrite, green (Placer)		Gemstones	3710;
IV	7	338	03941	Unnamed, No.16		Occur.	51	39	30	99	49	30	Sulfur		Sulfur Resources	4770;
Y	8	339	04642	Bor burgas		Occur.	51	34	30	100	50	40	Decorative stone  (marble)		Rocks for Construction Uses	5171;
X	9	340	01517	Dood nuur		Occur.	51	17	40	99	20	30	Limestone  (for lime)		Rocks for Construction Uses	1756;
	10	341	01519	Renchinlumbe		Occur.	51	10	40	99	30	35	Sand		Rocks for Construction Uses	1756;
	11	342		Khoegjiin gol		Occur.	51	03	20	99	09	00	Dolomite (for  cement)		Rocks for Construction Uses	1756;
	12	343		Unnamed		Occur.	51	02	00	99	29	40	Loam  (for fired brick)		Rocks for Construction Uses	1756;

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
x	13	344	01520	Kholidolyn gol		Occur.	50	58	30	99	43	00	Sand		Rocks for Construction Uses	1756;
	14	345	05371	Boshat		Occur.	50	48	22	99	38	26	Hard coal		Fuel Resources	4284;
	15	346		Gunain gol		Occur.	50	40	20	99	12	30	Sand and Gravel		Rocks for Construction Uses	1756;
	16	347		Dundhem gol		Occur.	50	43	40	99	55	30	Gravel		Rocks for Construction Uses	4286;
	17	348	01523	Shar gol		Occur.	50	42	00	99	48	50	Dolomite (for cement)	Dolomite (for chemical industry)	Rocks for Construction Uses	4286;
xi	18	349		Ih, бага tsagaan gol		Occur.	50	55	30	100	04	20	Gravel		Rocks for Construction Uses	4286;
	19	350		Arsain gol		Occur.	50	51	40	400	06	40	Gravel		Rocks for Construction Uses	4286
	20	351	01534	Ih uul		Occur.	50	42	15	100	05	45	Crushed stone (granite)	Decorative stone (granite)	Rocks for Construction Uses	4286;
	21	352		Ongolog nuur	Dep.		50	42	54	100	09	50	Dolomite (for lime, crushed stones, for metallurgy, chemical industry and water treatment )	Limestone (for lime, crushed stones, for metallurgy, chemical industry, water treatment, soil additives)	Rocks for Construction Uses	4286;
	22	353	04645	Sevsuel gol		Occur.	51	08	20	100	44	55	Sand		Rocks for Construction Uses	5171;
	23	354	04643	Anjistain davaa		Occur.	51	03	05	100	47	00	Decorative stone (granite)		Rocks for Construction Uses	5171;
xii	24	355	04644	Tsahir hyasaa uul		Occur.	51	03	10	101	34	08	Limestone (for lime)		Rocks for Construction Uses	5171;
	25	356	04646	Armag gol		Occur.	50	54	18	101	54	40	Serpentinite		Gemstones	5171;

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
XY	26	357	05639	Temeen devseg		Occur.	50	27	00	98	56	00	Colored clays		Rocks for Construction Uses	4716;
	27	358	05643	Khargana		Occur.	50	18	00	98	37	00	Decorative stone (granite)		Rocks for Construction Uses	4716;
	28	359	04560	Tsagaan had uul		Occur.	50	16	30	98	38	10	Limestone (for lime)		Rocks for Construction Uses	4863;
	29	360	04559	Baishint uul		Occur.	50	14	40	98	42	50	Limestone (for lime)		Rocks for Construction Uses	4863;
	30	361	05641	Shar shoroot		Occur.	50	10	25	98	45	45	Colored clays		Rocks for Construction Uses	4716;
	31	362	04558	Ulaan chuluutyn am		Occur.	50	04	50	98	31	30	Decorative stone (granite)		Rocks for Construction Uses	4863;
	32	363	03884	Altargyn gol		Occur.	50	14	50	98	56	12	Limestone (for lime)	Шохойн чулуу (металл ба цементийн үйлдвэр)	Rocks for Construction Uses	4746;
	33	364	03881	Altargyn gol-1		Occur.	50	14	50	98	58	00	Decorative stone (granite)		Rocks for Construction Uses	4746;
	34	365	03882	Altargyn gol-2		Occur.	50	12	25	98	58	00	Decorative stone (granite)		Rocks for Construction Uses	4746;
	35	366	03901	Boehtiin gol		Occur.	50	10	05	98	53	17	Colored clays		Mineral Pigments	4746;
	36	367	03885	Beltesiin gol		Occur*.	50	10	10	98	55	40	Limestone (for lime)		Rocks for Construction Uses	4746;
37	368	03902	Emtiin gol		Occur.	50	09	00	98	58	10	Colored clays		Mineral Pigments	4746;	
XV	38	369		Suurityn bulan		Occur.	50	09	00	98	51	20	Sand		Rocks for Construction Uses	4746;
	39	370		Suurit bulan		Occur.	50	07	00	98	47	00	Sulfur		Sulfur Resources	4716;
	40	371	03886	Tsagaan uul		Occur.	50	06	53	98	46	00	Dolomite (for lime)		Rocks for Construction Uses	4746;

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
XVI	41	372	<b>2021</b>	Mangush (Ulaan uul)	Dep.		50	39	10	99	23	30	Hard coal		Fuel Resources	<b>1756; 1914; 4284;</b>
	42	373	01540	Beltsiin gol	Dep.		50	34	00	99	26	00	Colored quartz		Gemstones	<b>609; 4236; 4496;</b>
	43	374		Dundhem gol		Occur.	50	38	20	99	50	20	Dolomite (for cement and chemical industry)		Rocks for Construction Uses	<b>4286;</b>
	44	375		Serh uul		Occur.	50	21	30	99	33	00	Decorative stone (granite)		Rocks for Construction Uses	<b>1914;</b>
	45	376		Unnamed, 13-I-5		Occur.	50	25	00	99	45	50	Limestone (for portland cement)	Limestone (for metallurgical uses )	Rocks for Construction Uses	<b>3977;</b>
	46	377		Unnamed, 14-I-6		Occur.	50	26	20	99	53	10	Limestone (for portland cement)	Limestone (for metallurgical uses )	Rocks for Construction Uses	<b>3977;</b>
	47	378	05627	Berhemsh		Occur.	50	24	30	99	48	20	Colored clays		Mineral Pigments	<b>4716;</b>
	48	379	<b>673</b>	Tsagaanchuluut	Dep.**		50	21	48	99	46	19	Decorative stone (marble)		Rocks for Construction Uses	<b>1914;3921;3977;4496;</b>
	49	380	01546	Unnamed, 14 - II - 5		Илрэл	50	21	40	99	52	00	Limestone (for portland cement)	Limestone (for metallurgical uses )	Rocks for Construction Uses	<b>3977;</b>
	50	381	01547	Khavchuugiin gol		Илрэл	50	19	00	99	50	50	Dolomite (for lime)	Dolomite (for metallurgical and refractory uses)	Rocks for Construction Uses	<b>3977;</b>
51	382	<b>886</b>	Khueremt (Khuermen uul)	Dep.***		50	08	50	99	18	20	Volcanic cinders		Rocks for Construction Uses	<b>4128; 4496; 4839;</b>	
XVI	52	383		Emtiin gol		Occur.	50	04	00	99	30	00	Sand and Gravel		Rocks for Construction Uses	<b>1914;</b>
	53	384		Toson suember uul		Occur.	50	04	30	99	33	00	Decorative stone (granite)		Rocks for Construction Uses	<b>1914;</b>
	54	385		Serteng uul		Occur.	50	05	00	99	48	00	Decorative stone (granite)		Rocks for Construction Uses	<b>1914;</b>

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	55	386	05628	Zuen shuvuut		Occur.*	50	02	08	99	52	55	Clays		Rocks for Construction Uses	<b>4716;</b>
XVII	56	387	03629	Baruun ereg		Occur.	50	32	17	100	09	00	Colored clays		Mineral Pigments	<b>1725; 1772; 4496;</b>
	57	388		Oelhon gol		Occur.	50	30	20	100	07	10	Gravel		Rocks for Construction Uses	<b>4286;</b>
	58	389		Khervestei		Occur	50	42	25	100	13	15	Crushed stone (basalt)	Decorative stone (basalt)	Rocks for Construction Uses	<b>4286;</b>
	59	390	01020	Zuen ereg		Occur.	50	29	58	100	11	15	Colored clays		Mineral Pigments	<b>1725;</b>
	60	391	<b>788;</b> 00032	Khar chuluut	Dep.		50	29	40	100	04	20	Crushed stone (limestone)		Rocks for Construction Uses	<b>1800; 2349; 4496;</b>
	61	392		Unnamed, No.17		Occur.*	50	25	10	100	07	00	Limestone (for lime)		Rocks for Construction Uses	<b>3649;</b>
	62	393	05646	Zuen hargana		Occur.	50	26	00	100	15	00	Limestone (for lime)		Rocks for Construction Uses	<b>4716;</b>
	63	394		Unnamed, No.35		Occur.	50	20	10	100	03	40	Limestone (for lime)		Rocks for Construction Uses	<b>3649;</b>
	64	<b>395</b>	<b>797</b>	Khatgal	Dep.		50	22	30	100	07	35	Sand and Gravel		Rocks for Construction Uses	<b>1800; 2349; 4496;</b>
	65	<b>396</b>	<b>796</b>	Aizam	Dep.		50	16	30	100	07	00	Sand and Gravel		Rocks for Construction Uses	<b>1800; 2349; 3603; 4496;</b>
XVII	66	397		Unnamed, No.45		Occur.	50	13	00	100	07	40	Limestone (for lime)		Rocks for Construction Uses	<b>3649;</b>
	67	398	01444	Oendor tsagaan uul		Occur.	50	11	00	100	33	10	Limestone (for lime and cement)		Rocks for Construction Uses	<b>3976;</b>
	68	399	01447	Bijiin davaa		Occur.	50	03	10	100	34	50	Limestone (for lime)		Rocks for Construction Uses	<b>3976;</b>
	69	400	05372	Borburgas		Occur.	50	03	00	100	15	00	Hard coal		Fuel Resources	<b>2119; 2660; 3151; 4496;</b>

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	70	401	<b>2022</b>	Egiin gol	Dep.*		50	00	00	100	21	00	Hard coal		Fuel	1507; 1764; 2119; 2660; 3603; 3976; 4496;
XVIII	71	402		Darhint		Occur.	50	37	20	101	15	50	Serpentinite		Gemstones	5319;
	72	403		Irmeg uul		Occur.	50	37	03	101	23	32	Serpentinite		Gemstones	5319;
	73	404		Darhint owoo		Occur.	50	30	57	101	17	40	Decorative stone (quartzic diorite)		Rocks for Construction Uses	5319;
	74	405		Bayangiin baruun davaa		Occur.	50	31	40	101	26	40	Clays (for fired brick)		Rocks for Construction Uses	5319;
	75	406		Narst bulan		Occur.	50	32	10	101	38	32	Sand		Rocks for Construction Uses	4838; 5319;
	76	407		Burgaltain gol		Occur.	50	34	10	101	36	30	Clays		Rocks for Construction Uses	4838; 5319;
	77	408		Nariin tsaram		Occur.	50	30	00	101	30	00	Brown coal		Fuel Resources	5319;
	78	409	03810	Tsegtser		Occur.	50	31	42	101	34	40	Brown coal		Fuel Resources	4715; 4724; 4838;
	79	410		Yargait uul		Occur.	50	30	58	101	38	45	Decorative stone (granite)		Rocks for Construction Uses	5319;
	80	411		Baga nuur		Occur.	50	39	55	101	54	00	Brown coal		Fuel Resources	5319;
XVIII	81	412	01535	Dayan deerhiin agui		Occur.	50	33	00	101	59	00	Marble onyx		Gemstones	3710;
	82	413	05373; 03809;	Uilgan gol (Arbulag, Dondoltolgoi)	Dep.		50	32	30	101	51	30	Brown coal		Fuel Resources	346; 3151; 4496; 4715; 4724; 4838; 5319;
	83	414		Ongon uul		Occur.	50	33	42	101	46	48	Brown coal		Fuel Resources	5319;
	84	415		Chuluunhoroot		Occur.	50	29	35	101	47	20	Brown coal		Fuel Resources	5319;
	85	416		Occurrence, No.143		Occur.	50	26	40	101	53	40	Limestone (for lime)	Limestone (for cement and metallurgical flux)	Rocks for Construction Uses	5319;

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	86	417		Khoeh chuluu uul		Occur.	50	24	15	101	52	55	Serpentinite		Gemstones	<b>5319;</b>
	87	418		Occurrence, No.159		Occur.	50	20	55	101	51	20	Limestone (for lime)	Limestone (for cement and metallurgical flux)	Rocks for Construction Uses	<b>5319;</b>
	88	419		Oevgon uul		Occur.	50	21	08	101	22	42	Serpentinite		Gemstones	<b>5319;</b>
	89	420		Peak of 1975,7m		Occur.	50	16	00	101	22	00	Nephrite, green		Gemstones	<b>3710;</b>
	90	421		Baruunbayan		Occur.	50	16	00	101	38	00	Nephrite, green		Gemstones	<b>3457; 3710;</b>
	91	422		Oeltiin gol		Occur.	50	13	00	101	46	00	Nephrite, green		Gemstones	<b>3710;</b>
	92	423		Oelontiin gol (Ar oelont)		Occur.	50	12	00	101	46	30	Serpentinite		Gemstones	<b>4838; 5337;</b>
	93	424		Naranmandal ovoo		Occur.	50	12	00	101	36	00	Chalcedony, agate		Gemstones	<b>346; 4496;</b>
	94	425		Egiin gol		Occur.	50	12	20	101	41	00	Gravel		Rocks for Construction Uses	<b>5337;</b>
	95	426		Bulgan tal		Occur.	50	09	30	101	32	30	Brown coal		Fuel Resources	<b>4838; 5337;</b>
	96	427		Bulgan tal		Occur.	50	09	00	101	32	00	Clays		Rocks for Construction Uses	<b>4838;</b>
	97	428		Boerolj		Occur.	50	04	10	101	21	30	Decorative stone (marble)		Rocks for Construction Uses	<b>4838;</b>
<b>xviii</b>	98	429		Tsagaan jalga		Occur.	50	04	25	101	54	30	Decorative stone (granite)		Rocks for Construction Uses	<b>4838;</b>
<b>xx</b>	99	430	01019	Shavryn gol		Occur.	49	45	00	97	55	00	Colored clays		Rocks for Construction Uses	<b>614;</b>
	100	431		Ulaan ereg		Occur.	49	31	40	97	43	20	Clays (for fired brick)		Rocks for Construction Uses	This study
	101	432	<b>675</b>	lh doesh	Dep.		49	28	00	97	47	00	Volcanic cinders		Rocks for Construction Uses	<b>3582;</b>

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	102	433	<b>2023</b>	Mogoin gol	Dep.***		49	22	00	97	50	00	Hard coal		Fuel Resources	2652; 3041; 3603; 3823; 4724; 4496;
XXI	103	434	00485	Agaryn gol		Occur.*	49	53	40	98	18	30	Limestone (for lime)		Rocks for Construction Uses	<b>3045; 4428;</b>
	104	435	04005	Ashdyn hyar		Occur.	49	48	25	98	48	40	Limestone (for lime)	Limestone (for metallurgical flux)	Rocks for Construction Uses	<b>4839;</b>
	105	436	00575	Buyant gol		Occur.	49	45	00	98	28	40	Colored clays		Mineral Pigments	<b>4428;</b>
	106	437	00586	Khoeshot		Occur.	49	43	40	98	27	20	Clays		Rocks for Construction Uses	<b>4428;</b>
	107	438	00483	Unnamed, No.17		Occur.	49	38	00	98	05	00	Volcanic cinders	Pumice stone	Rocks for Construction Uses	<b>3045;</b>
	108	439	00028	Occurrence, No.6		Occur.	49	29	00	98	02	00	Volcanic cinders		Rocks for Construction Uses	<b>1751;</b>
	109	440	00584	Khujirtyn gol		Occur.*	49	38	20	98	39	45	Gravel		Rocks for Construction Uses	<b>4428;</b>
	110	441	00068	Unnamed, No.4		Occur.	49	33	00	98	30	00	Volcanic cinders		Rocks for Construction Uses	<b>1751;</b>
	111	442	00587	Gishuent uul		Occur.	49	31	35	98	17	30	Colored clays		Mineral Pigments	<b>4428;</b>
XXI	112	443	01461; 00476	Shargyn gol		Occur.*	49	32	50	98	41	15	Clays (for fired brick)		Rocks for Construction Uses	<b>3045; 4428;</b>
	113	444	00572;	Bodi tolgoi	Dep.		49	30	00	98	36	00	Volcanic cinders		Rocks for Construction Uses	<b>4428;</b>
	114	445	05010	Bataa (Bataa nuur)		Occur.*	49	31	50	98	42	15	Salt		Continental Lake Evaporates	<b>3045; 4428;</b> 4496;
	115	446	00484;	Unnamed, No.38		Occur.	49	23	00	98	57	00	Perlite		Rocks for Construction Uses	<b>3045;</b>
XXII	116	447	03904	Dund jargalant		Occur.	49	53	20	99	00	30	Brown coal		Fuel Resources	<b>4746;</b>



0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	117	448		Dund jargalant		Occur.	49	53	40	99	00	15	Clays (for fired brick)		Rocks for Construction Uses	<b>4746;</b>
XXII	118	449	03883	Unnamed, 129-III-8		Occur.	49	52	00	99	04	36	Obsidian		Gemstones	<b>4746;</b>
	119	450	00187	Khetein gol		Occur.	49	54	30	99	12	00	Sand and Gravel		Rocks for Construction Uses	<b>1914;</b>
	120	451		Khuisyn gol		Occur.	49	57	00	99	18	00	Clays (for fired brick)		Rocks for Construction Uses	<b>1914;</b>
	121	452	05642	Erhel		Occur.	49	55	00	99	15	00	Decorative stone (syenite)		Rocks for Construction Uses	<b>4716;</b>
	122	453		Erhel nuur		Occur.	49	56	00	99	53	00	Decorative stone (marble)		Rocks for Construction Uses	<b>1914;</b>
	123	454	<b>898</b>	Erhel	Dep.		49	56	00	99	58	00	Sand		Rocks for Construction Uses	<b>3713; 4496;</b>
	124	455		Shirevger	Dep.		49	53	00	99	56	00	Crushed stone (granite)		Rocks for Construction Uses	<b>3960;</b>
XXII	125	456		Shirevger	Dep		49	52	00	99	55	00	Decorative stone (granite)		Rocks for Construction Uses	<b>4222;</b>
	126	457	04006	Khoit buural morit uul		Occur.	49	48	30	99	38	00	Limestone (for lime)	Limestone (for metallurgical flux)	Rocks for Construction Uses	<b>4839;</b>
	127	458		Khitagiin dugan		Occur.	49	46	00	99	51	00	Decorative stone (marble)		Rocks for Construction Uses	<b>1914;</b>
	128	459	04004	Tosongiin oevor uul		Occur.	49	36	00	99	01	00	Decorative stone (granite)		Rocks for Construction Uses	<b>4839;</b>
	129	460		Soert	Dep.		49	38	39	99	46	30	Sand		Rocks for Construction Uses	<b>3713;</b>
	130	461		Eruenii tsahir uul		Occur.	49	36	10	99	50	10	Limestone (for lime and portland cement)	Limestone (for metallurgical and chemical uses)	Rocks for Construction Uses	<b>4633;</b>

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	131	462		Tavan tolgoi		Occur.	49	24	00	99	02	20	Decorative stone (granite)		Rocks for Construction Uses	<b>4839;</b>
	132	463	05376	Nuramt (Deed nuur)	Dep.		49	25	25	99	16	08	Hard coal		Fuel Resources	<b>2256; 3823; 4496; 4724; 4807; 4839;</b>
	133	464	05375	Baruun ihet		Occur.	49	28	00	99	30	15	Hard coal		Fuel Resources	<b>1504; 2045; 2256; 3151; 4496;</b>
	134	465		Urd chuluutyn gol		Occur.	49	29	00	99	54	10	Decorative stone (granite)		Rocks for Construction Uses	<b>4633;</b>
	135	466		Khoit chuluutyn gol		Occur.	49	25	40	99	46	50	Decorative stone (rhyodacite porphyry)		Rocks for Construction Uses	<b>4633;</b>
	136	467	05234	Unnamed, 92-G-IV-3-7		Occur.	49	20	17	99	55	29	Hard coal		Fuel Resources	<b>4633;</b>
<b>XXIII</b>	137	468	01487; 05630	Bayansair		Occur.	49	57	00	100	12	00	Limestone (for lime, metallurgy and portland cement)	Marble (for decorative uses)	Rocks for Construction Uses	<b>3642; 4222; 4496; 4716;</b>
	138	469	01489	Unnamed, No.30		Occur.	49	53	00	100	15	10	Limestone (for lime and portland cement)		Rocks for Construction Uses	<b>3976;</b>
	139	470	<b>842; 884</b>	Erhel	Dep.		49	53	30	100	03	00	Crushed stone (granite)		Rocks for Construction Uses	<b>3713; 4496;</b>
	140	471	<b>672</b>	Shohoin tsahir	Dep.		49	52	30	100	07	30	Limestone (for lime)	Marble (for decorative uses)	Rocks for Construction Uses	<b>3885;</b>
	141	472	05645	Shar davaa		Occur.	49	48	00	100	15	00	Decorative stone (marbled limestone)		Rocks for Construction Uses	<b>4716;</b>
	142	473	01016	Achmag		Occur.*	49	39	00	100	28	00	Sulfate Resources		Continental Lake Evaporates	<b>2160;</b>
	143	474		Khargana gol		Occur.	49	52	44	100	30	45	Decorative stone (granite)		Rocks for Construction Uses	<b>4633;</b>

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	144	475		Ih Tunel		Occur.	49	50	56	100	40	30	Decorative stone (granite)		Rocks for Construction Uses	<b>4633;</b>
	145	476		Uilt uul		Occur.	49	43	40	100	15	30	Decorative stone (granite)		Rocks for Construction Uses	<b>4633;</b>
	146	477	05629	Sharga morit		Occur.	49	44	00	100	02	10	Volcanic cinders		Rocks for Construction Uses	<b>4716;</b>
	147	478	00022;	Moeron	Dep.		49	41	00	100	08	00	Clayey shale (for cement)		Rocks for Construction Uses	<b>1589; 2349;</b> 2660; 4496;
	148	479	<b>704;</b> 00023;	Moeron	Dep.***		49	40	00	100	08	00	Limestone (for lime and cement)		Rocks for Construction Uses	<b>1502; 1589;</b> <b>2349;</b> 2660; <b>4314;</b> 4496;
	149	480	<b>897</b>	Nugyn tohoi	Dep.***		49	38	10	100	00	20	Sand and Gravel		Rocks for Construction Uses	<b>1502; 3505;</b> <b>3603; 3713;</b> 4496; 4633;
xxIII	150	481	<b>896</b>	Bueren	Dep.		49	38	55	100	08	00	Sand and Gravel		Rocks for Construction Uses	<b>1673; 2349;</b> 2660; 4496; 4633;
	151	482	01496	Dulaany ar		Occur.	49	37	00	100	12	00	Clays (for fired brick)		Rocks for Construction Uses	<b>4319;</b>
	152	483	05138	Khoeh tolgoi		Occur.	49	39	21	100	15	14	Hard coal		Fuel Resources	<b>4633; 4724;</b>
	153	484	<b>107</b>	Khoeh tolgoi	Dep.***		49	39	23	100	13	20	Crushed stone (basalt )		Rocks for Construction Uses	<b>1673;</b> 2660; <b>3224;</b> 4496; 4633;
	154	485		Elstiin ar (Elst, Ih elst)		Occur.*	49	35	30	100	12	00	Sand		Rocks for Construction Uses	<b>2712; 4633;</b>
	155	486	<b>703</b>	Moeron	Dep.***		49	36	40	100	20	20	Loam (for fired brick)		Rocks for Construction Uses	<b>1502; 1589;</b> <b>2349;</b> 2660; <b>3250; 4314;</b> 4496; 4633;
	156	487	<b>2072</b>	Moeron (Nuerstiin am)	Dep.***		49	32	40	100	03	20	Hard coal		Fuel Resources	<b>346; 1504;</b> 4496; <b>4633;</b>
	157	488		Jilchig bulag	Dep.***		49	28	27	100	15	00	Hard coal		Fuel Resources	<b>2119;</b> 2660; <b>3823; 4089;</b> 4496; 4633; <b>5039;</b>

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	158	489	05134	Khanan had uul		Occur.	49	32	41	100	47	15	Hard coal		Fuel Resources	4633;
	159	490	05133	Tosontsengel		Occur.	49	30	24	100	54	43	Hard coal		Fuel Resources	4633; 5039;
XXIV	160	491		Zorlog		Occur.	49	58	00	101	12	00	Decorative stone (marble)		Rocks for Construction Uses	3048;
	161	492	01498	Oendorhaan uul		Occur.	49	58	00	101	31	00	Decorative stone (marble)		Rocks for Construction Uses	3832;
	162	493	01499	Khuvt tolgoi		Occur.	49	49	00	101	44	00	Ophiocalcite		Gemstones	1863;
	163	494	00487	Khuvt		Occur.	49	48	00	101	46	00	Decorative stone (marble)		Rocks for Construction Uses	3048;
XXIV	164	495	00101	Dalt		Occur.	49	47	00	101	56	00	Decorative stone (marble)		Rocks for Construction Uses	3048;
	165	496	00117	Tsagaanchuluut		Occur.	49	46	00	101	59	00	Decorative stone (marble)		Rocks for Construction Uses	3048;
	166	497	01551	Khoendlon		Occur.	49	31	00	101	50	00	Clays (for fired brick )		Rocks for Construction Uses	4319;
XXV	167	498	01555	Oigon nuur		Occur.*	49	14	40	96	33	00	Limestone (for lime)		Rocks for Construction Uses	1751; 2723;
	168	499	01015	Santhonhor		Occur.	49	05	30	96	09	15	Sulfate Resources		Continental Lake Evaporates	3884;
	169	500		Oigon nuur		Occur.	49	05	10	96	40	30	Loam (for fired brick)		Rocks for Construction Uses	1751;
	170	501		Shar nuruu owoo		Occur.*	48	54	50	96	12	30	Limestone (for lime)		Rocks for Construction Uses	2723
	171	502	05378	Buluu tsahaan		Occur.	48	50	30	96	39	30	Hard coal		Fuel Resources	2723; 4089;
	172	503		Shatain owoo		Occur.	48	43	00	96	11	00	Decorative stone (marble)		Rocks for Construction Uses	2723;
	173	504		Occurrence, No.22		Occur.	48	46	30	97	00	00	Sand		Rocks for Construction Uses	1751;

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
xxvi	174	505	01558	Bort		Occur.	49	19	00	97	01	00	Agalmatolite		Gemstones	1900;
	175	506	01018	Tsaidan		Occur.*	49	18	00	97	53	00	Sulfate Resources		Continental Lake Evaporates	2160;
	176	507	00069	Deed shumuultai		Occur.	48	56	30	97	39	40	Clays (for fired brick )		Rocks for Construction Uses	1751;
	177	508	940	Tsaidam nuur	Dep.***		48	45	00	97	38	00	Sulfate Resources		Continental Lake Evaporates	1776; 3819;
xxvi	178	509	00070	Ideriin gol		Occur.	48	45	10	97	56	00	Clays (for fired brick )		Rocks for Construction Uses	1751;
	179	510	674	Bor ereg	Dep.		48	41	00	97	28	00	Clays (for fired brick )		Rocks for Construction Uses	3512;
	180	511	01561	Sartant uul		Occur.	48	42	00	97	40	00	Limestone (for lime)		Rocks for Construction Uses	1751;
	181	512	683	Khuren tal	Dep.		48	43	00	97	45	00	Sand and Gravel		Rocks for Construction Uses	3574; 3603;
xxvii	182	513	01565	Shumuultai		Occur.	48	48	10	98	12	00	Limestone (for lime)		Rocks for Construction Uses	2981;
	183	514	00468	Tsontsengel		Occur.	48	43	00	98	14	20	Sand		Rocks for Construction Uses	2981;
	184	515	01570	Tsagaanchuluut		Occur.	48	43	10	98	20	00	Limestone (for lime)		Rocks for Construction Uses	2981;
	185	516	01571	Arteel		Occur.	48	43	00	98	21	30	Limestone (for lime)		Rocks for Construction Uses	1751; 2981;
xxviii	186	517	01573	Khavtsgain		Occur.	48	58	00	99	23	00	Chalcedony		Gemstones	2651; 4496;
xxix	187	518	05631	Badiin oevor		Occur.	48	43	00	100	02	30	Ophiocalcite		Gemstones	4693;
	188	520		Dalanhaan ovoo		Occur.	48	48	30	100	59	00	Perlite		Rocks for Construction Uses	2283;
	189	519	00361	Oevor teeliin gol		occur.	49	19	00	100	43	00	Cloed clays		Mineral Pigments	2256; 3832; 4496;

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
xxx	190	521	<b>883</b>	Khalzan hudag	Dep.		49	00	00	101	40	00	Volcanic cinders		Rocks for Construction Uses	<b>4136; 4496;</b>
xxxI	191	522		Khar nuur		Occur.	48	19	15	96	13	55	Hard coal		Fuel Resources	<b>5340;</b>
	192	523		Burgastai		Occur.	48	12	30	96	01	00	Sand		Rocks for Construction Uses	<b>5340;</b>
xxxI	193	524		Barimalt		Occur.*	48	14	50	96	19	45	Clays		Rocks for Construction Uses	<b>5340;</b>
	194	525		Khanharyn doerolj		Occur.*	48	14	00	96	34	05	Colored clays		Mineral Pigments	<b>5340;</b>
	195	526		Zuiliin gol		Occur.*	48	01	57	96	15	34	Clays (for fired brick )		Rocks for Construction Uses	<b>5340;</b>
	196	527		Unnamed, M-47-134-V-e-14		Occur.*	48	04	03	96	37	10	Clays (medical treatment)		Rocks for Construction Uses	<b>5340;</b>
	197	528		Yaruu	Dep.***		48	05	56	96	43	20	Clays (for fired brick )		Rocks for Construction Uses	<b>2349; 3576; 4496; 5340;</b>
xxxIII	198	529	01584	Khaluun usny gol		Occur.	48	23	05	98	42	50	Decorative stone (granite)		Rocks for Construction Uses	<b>3711;</b>
	199	530	02501	Zuen hojuulan gol		Occur.	48	19	45	98	29	30	Decorative stone (plagioclase)		Rocks for Construction Uses	<b>3711;</b>
	200	531	02503	Uejin gol		Occur.	48	00	40	98	48	30	Decorative stone (marble)		Rocks for Construction Uses	<b>3711;</b>
xxxIV	201	532	04158	Mogoin hyar		Occur.	48	39	30	99	08	10	Dolomite (for lime)		Rocks for Construction Uses	<b>5035;</b>
	202	533	01635	Ideriin gol		Occur.	48	37	30	99	10	00	Crushed stone (dolomite)		Rocks for Construction Uses	<b>3684;</b>
	203	534	04157	Tsagaan uul		Occur.	48	37	35	99	13	45	Dolomite (for lime)		Rocks for Construction Uses	<b>5035;</b>

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
xxxiv	204	535	04702	Burhat teeliin gol		Occur.	48	37	00	99	23	00	Sand		Rocks for Construction Uses	3684;
	205	536	05626	Burgastain am		Occur.	48	37	00	99	58	05	Ophiocalcite		Gemstones	4693;
	206	537	04701	Bayan ulaan ovoouul (Tsagaan tolgoi)		Occur.*	48	33	00	99	06	20	Dolomite (for lime)		Rocks for Construction Uses	3684; 5035;
	207	538		Guertiin buluuuul		Occur.	48	28	00	99	55	00	Decorative stone (granite)		Rocks for Construction Uses	5035;
	208	539	01602	Solongotyn gol		Occur.	48	08	30	99	01	30	Dolomite (for lime)		Rocks for Construction Uses	3684;
	209	540		Baruun ehen gol		Occur.	48	01	40	99	03	00	Crushed stone (dolomite)		Rocks for Construction Uses	3684;
	210	541	01604	Onh gol		Occur.	48	00	15	99	08	20	Crushed stone (dolomite)		Rocks for Construction Uses	3684;
	211	542	04590	Terhiin gol		Occur.*	48	07	00	99	35	30	Sand		Rocks for Construction Uses	3684;
	212	543	04535	Khorgyn togoo		Occur.	48	12	00	99	52	00	Chrizolite		Gemstones	1863;
	213	544	04700	Khorgyn togoo		Occur.*	48	11	00	99	51	40	Volcanic cinders		Rocks for Construction Uses	3684;
	214	545	670	Bosgyn togoo uul	Dep.		48	06	14	99	55	50	Volcanic cinders		Rocks for Construction Uses	1920; 2349; 3684; 4496;
	215	546		Shavryn tsaram	Dep.**		48	04	00	99	59	00	Pyrope	Chrizolite, Sanidine	Gemstones	2625; 3684; 4496;
xxxv	216	547		Oendor tolgoi uul		Occur.	48	24	40	100	31	40	Volcanic cinders		Rocks for Construction Uses	2283;
	217	548	671	Tsahaan uul (Boeroljuet)	Dep.***		48	12	00	100	02	00	Volcanic cinders		Rocks for Construction Uses	1920; 2349; 3228; 4496;
	218	549	870	Uhaa ereg (Ih jargalant)	Dep.***		48	14	00	100	14	00	Clays (for fired brick)		Rocks for Construction Uses	3225; 3228; 4496;

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
xxxv	219	550		Tsahir gorhi		Occur.*	48	06	33	100	19	48	Dolomite (for lime)		Rocks for Construction Uses	<b>3228;</b>
	220	551	<b>885</b>	Davtsag tolgoi	Dep.***		48	04	10	100	28	39	Volcanic cinders		Rocks for Construction Uses	<b>4136;</b>
xxxvi	221	552	01014	Urd shanaa		Occur.	48	26	00	101	20	00	Sulfate Resources		Continental Lake Evaporates	<b>4293;</b>
	222	553		Khuenui gol		Occur.	48	22	00	101	53	00	Quartzic sand		Silica Resources	<b>2283;</b>
	223	554		Nariin elst bulag		Occur.	48	19	00	101	52	00	Sand		Rocks for Construction Uses	<b>3228;</b>

**Explanation.**

Dep\* - Deposit is exploited

Dep\*\* - Deposit has been exploited, but there are estimated Reserves

Dep\*\*\* - Deposit is in operation

Occur\* - Occurrence without estimated Reserves, but is exploited from the Surface

Passport No: **885** - Deposit passport, 01014 - Occurrence passport.

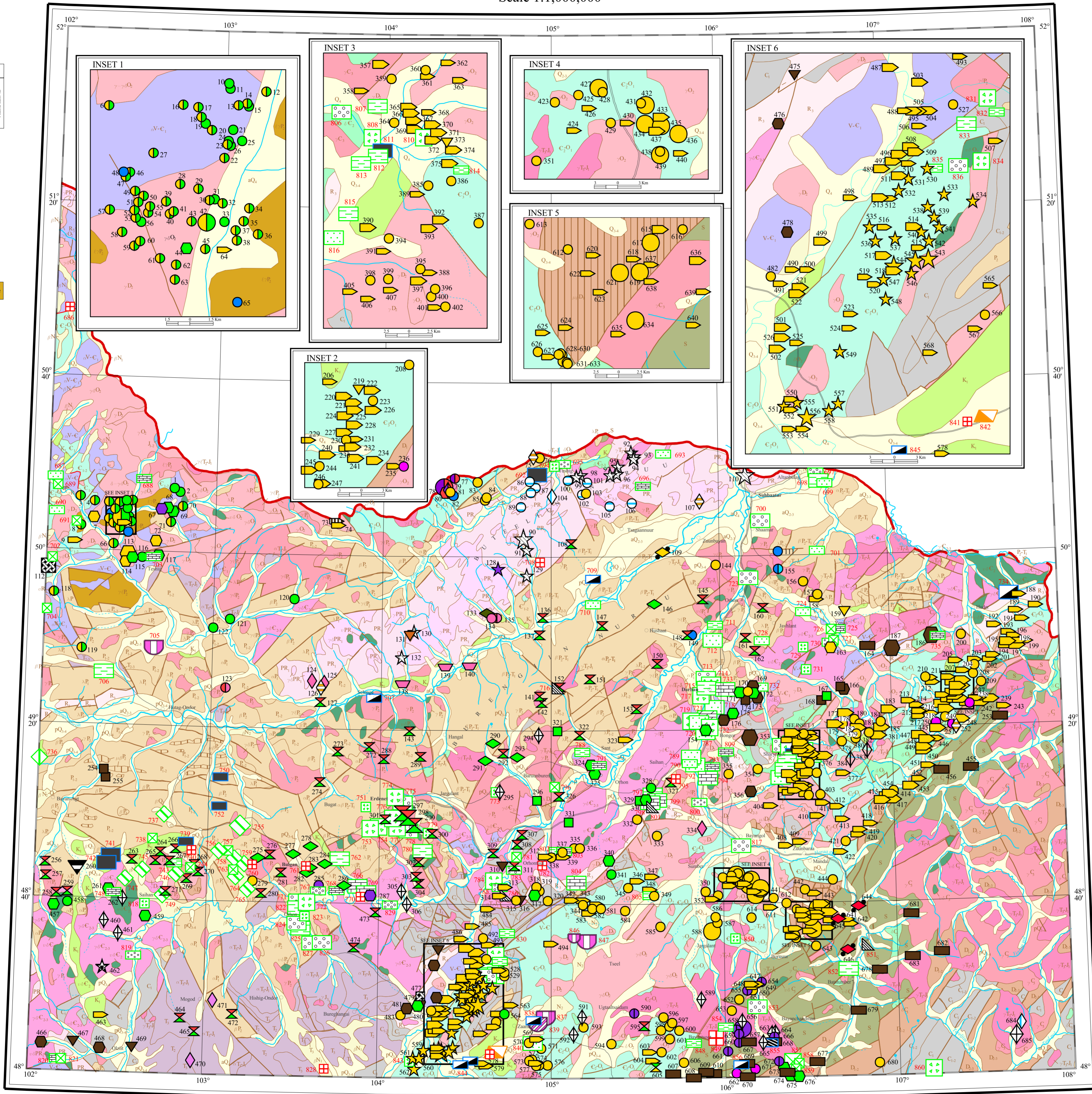
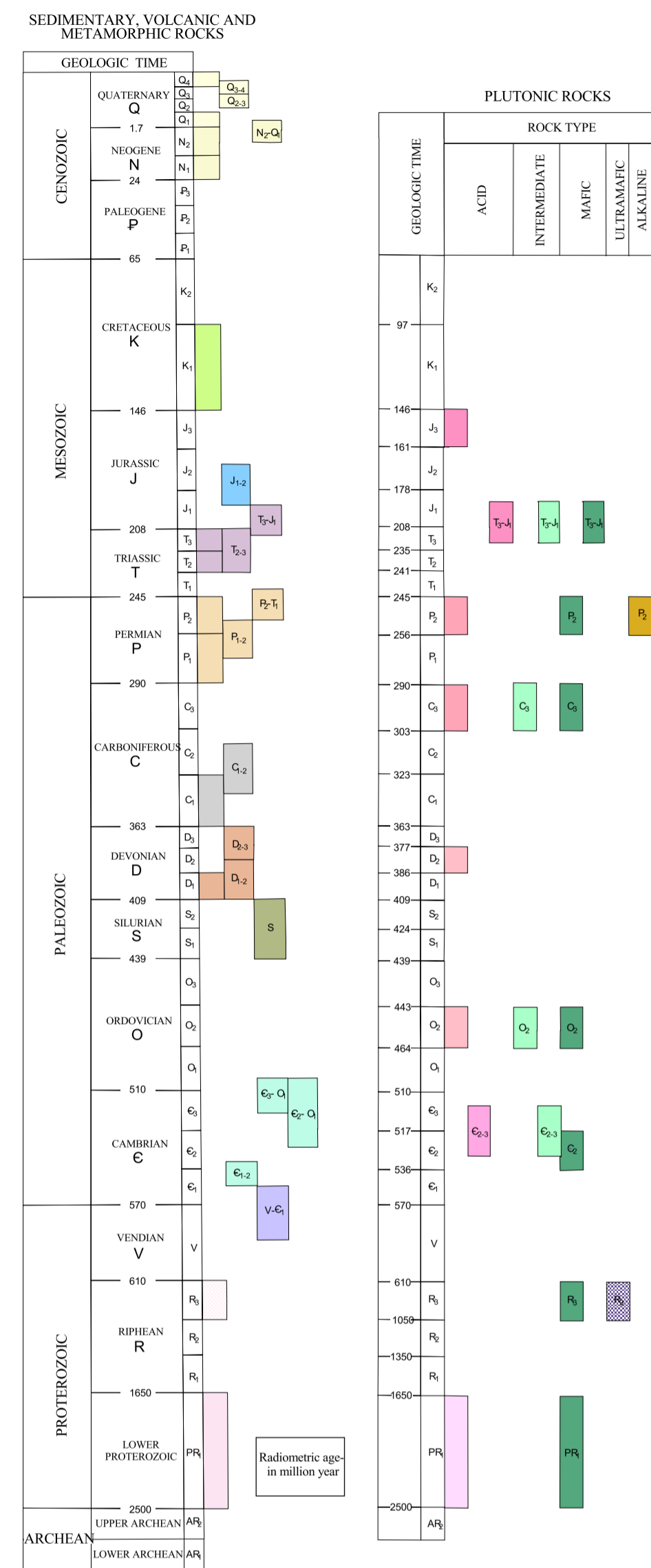
Numbers of Deposits and Occurrences are red in the Distribution Map of Mineral Deposits and Occurrences in Mongolia at the Scale of 1:1,000,000.



# MINERAL DEPOSITS AND OCCURRENCES OF MONGOLIA

M-48  
Scale 1:1,000,000

## LEGEND FOR GEOLOGY



## LEGEND M-48

### A. Metals, Asbestos, Fluorspar, Bentonite, Optical Quartz, Mica, Sillimanite Group, Staurolite

Deposit type	Deposit	Occurrence
<b>1. Deposits related to Mafic and Ultramafic Rocks</b>		
1 Zoned mafic-ultramafic Ti-Fe		■
2 Cu-Ni-(PGE) sulfide mafic-ultramafic related		■
3 Serpentine-hosted asbestos	■	■
<b>2. Deposits related to Subaerial Extrusive Rocks and Dyke Complexes</b>		
4 Epithermal adularia-sericite type Au		◆
5 Volcanic - hosted Hg		◆
6 Epithermal vein/replacement fluorite		◆
7 Basaltic Cu		◆
<b>3. Stratiform and Stratabound Deposits in sedimentary rocks</b>		
8 Sandstone - hosted U		■
<b>4. Deposits related to Calc-Alkaline and Alkaline Granitic Intrusions</b>		
<b>4.1. Pegmatite, Greisen and Alkaline metasomatic Deposits</b>		
9 Be pegmatite		◆
10 TA - Nb - (REE) pegmatite		◆
11 Muscovite pegmatite		◆
12 Mirolitic and abyssal pegmatite	◆	◆
13 W - Mo greisen		◆
14 Nb(Ta) - Zr - REE alkaline metasomatites		◆
15 Th(U) - Nb - Zr (REE) alkaline metasomatites		◆
<b>4.2. Skarn deposits</b>		
16 Fe(Cu,Au,W,Sn) skarn	■	■
17 Cu(Fe, Au, Ag, Mo) skarn		■
18 W (Mo, Fe, Cu) skarn		■
19 Mo (W, Fe, Cu) skarn		■
20 Au (Cu, Ag, Fe) skarn		■
<b>4.3. Porphyry and Granitic Pluton-hosted Deposits</b>		
21 Porphyry Cu - Mo (Ag, Re)	■	■

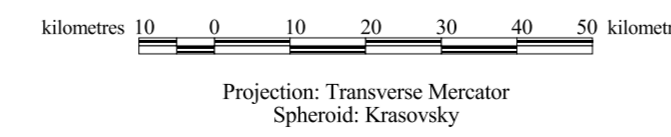
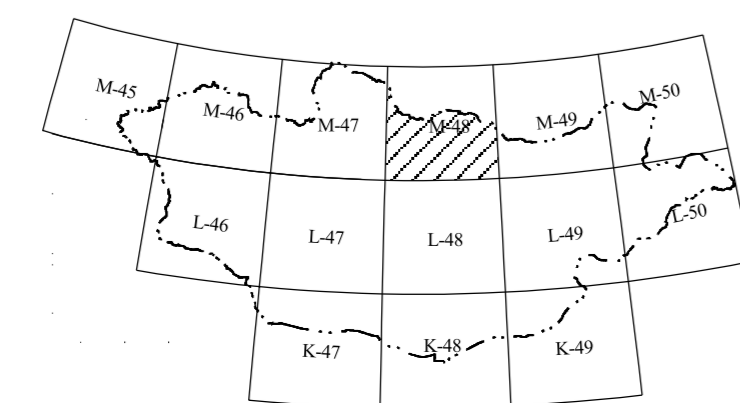
Deposit type	Deposit	Occurrence
<b>5. Sedimentary Mineral Deposits</b>		
22 Sedimentary Fe (Mn)		■
<b>6. Deposits Related to Metamorphosed Rocks</b>		
23 Quartz - (carbonate) vein Au	★	★
24 Granitoid related Au - Ag - Cu	●	●
25 Granitoid related stockwork/ metasomate Cu	●	●
26 W-Mo veins and stockworks	●	●
27 Sn(W) veins	●	●
28 W (Sn) veins	●	●
29 Vein/replacement Ag - Pb - Zn	●	●
30 Vein/replacement Pb - Zn	●	●
31 Granitoid related U	●	●
32 Granitoid related U - Mo	●	●
33 Granitoid related vein/stockwork Bi	●	●
<b>7. Deposits related to Surficial Process</b>		
34 Placer Au	◆	◆
35 Placer chromate	◆	◆
36 Paleoplacer Au	◆	◆
37 Paleoplacer Ti - Zr	◆	◆
38 Paleoplacer magnetite	◆	◆
39 Sedimentary bentonite	◆	◆

### B. Fuel Resources, Gemstones, Silica Resources, Continental Lake Evaporates, Mineral Pigments, Minerals and Rocks for Construction uses

Mineral Resources	Mineral Deposit	Occurrence
<b>1. Fuel Resources</b>		
1 Peat, turf		■
2 Brown coal		■
3 Hard coal		■
<b>2. Gemstones</b>		
4 Aquamarine, Nephrite, Chalcedony, Jasper, Opicalcite, Chrysoprase, Lazurite, Rhyolite.	■	■
<b>3. Silica Resources</b>		
5 Silica Specialty Materials (Quartz Veins)		■
<b>4. Continental lake evaporates</b>		
7 Sodium Sulfate Resources		■
8 Sodium Sulfate Resources-Epsomite		■

Mineral Resources	Mineral Deposit	Occurrence
<b>5. Mineral Pigments</b>		
9 Different Colored Clay Pigments		■
<b>6. Minerals and Rocks for Construction uses: Aggregates, Lightweight Aggregates, Stone, Crushed, Decorative stones, Cement Row Materials, Roofing Granules and others</b>		
10 Clays ( Fire clay, common clay, )		■
11 Sand		■
12 Sand and gravel		■
13 Limestone		■
14 Dolomite		■
15 Perlite		■
16 Volcanic cinders and pumice		■
17 Decorative stones		■
18 Crushed stones, Building stones, Dimension stones		■

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Digital cartography by Myangaagiin Eerdenetseseg; Geological Information Center, MRAM.

Geology from Geological Map of Mongolia at scale 1:1,000,000 compiled in 1999 by: G. Badarch, Ts. Makhbador, D. Orolmaa, P. Khosbayar, O. Tomurogog; Institute of Geology and Mineral Resources, Academy of Sciences of the Mongolia.

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**Metals & Industrial Minerals Deposits & Occurrences in the Sheet M-48**  
*Compiled by Gunchingiin Dejidmaa*

Number in the M-48 sheet	Passport number in GIC	Deposit and occurrence name	Dep.	Occur.	Location						Major commodity	Minor commodity	Deposit type	Data source: Open File Report number in GIC, Mongolia
					Latitude			Longitude						
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	03356, 04628	Jargalant		Occur.	50	14	44	102	44	54	Cu	Au, Ag	Granitoid related vein Cu	4552, 4862, 5170
2		Occurrence №57		Occur.	50	14	02	102	46	50	Cu	Ag, Zn	Granitoid related vein Cu	4552
3	05437	Naryny am		Occur.	50	12	05	102	11	20	Au	Cu	Granitoid related vein/replacement Au-Ag-Cu	5170
4	04625	Serh tsahir uul		Occur.	50	11	15	102	16	10	Au	Cu	Granitoid related vein/replacement Au-Ag-Cu	5170
5		Occurrence №72		Occur.	50	11	02	102	29	06	Au	Cu, Ag	Granitoid related vein/replacement Au-Ag-Cu	4552
6	04626	Salhityn ekh		Occur.	50	10	50	102	21	35	Au		Granitoid related vein/replacement Au-Ag-Cu	5170
7	04629	Salhityn gol		Occur.	50	07	30	102	16	30	Au	Cu, Ag	Au(Cu) skarn	5170
8	04630	Ar zorlogo		Occur.	50	05	30	102	12	00	Au		Granitoid related vein Au-Ag-Cu	5170
9	03511	Ar zorlogo		Occur.	50	02	00	102	10	00	Au		Placer Au	5170
10		Occurrence №80		Occur.	50	11	45	102	28	00	Cu		Granitoid related vein Cu	4552
11		Occurrence №79		Occur.	50	11	35	102	28	04	Cu	Ag	Granitoid related vein Cu	4552
12	04627	Khust		Occur.	50	11	30	102	30	00	Au	Cu	Granitoid related vein/replacement Au-Ag-Cu	5170
13		Occurrence №25		Occur.	50	11	00	102	28	31	Au	Cu, Ag	Granitoid related vein Au-Ag-Cu	4552
14		Occurrence №26		Occur.	50	11	03	102	29	00	Au	Cu, Ag	Granitoid related vein Au-Ag-Cu	4552
15		Occurrence №72		Occur.	50	11	02	102	29	06	Cu	Au, Ag	Granitoid related vein Cu	4552
16		Occurrence №69		Occur.	50	10	56	102	25	33	Au	Cu, Ag	Granitoid related vein Au-Ag-Cu	4552
17		Occurrence №68		Occur.	50	10	52	102	26	22	Au	Cu, Ag	Granitoid related vein Au-Ag-Cu	4552
18		Occurrence №70 (№12)		Occur.	50	10	33	102	26	33	Au	Cu, Ag	Granitoid related vein Au-Ag-Cu	4552
19		Occurrence №81		Occur.	50	10	20	102	26	50	Cu	Ag	Granitoid related vein Cu	4552
20		Occurrence №71		Occur.	50	10	07	102	27	08	Au, Cu, Ag	Cu, Ag, Pb, Zn	Granitoid related vein/replacement Au-Ag-Cu	4552
21		Occurrence №22		Occur.	50	10	10	102	28	18	Cu	Ag	Granitoid related vein Cu	4552
22		Occurrence №73		Occur.	50	09	58	102	27	54	Au	Ag	Granitoid related vein Au-Ag-Cu	4552
23		Occurrence №74		Occur.	50	09	38	102	28	00	Au	Cu, Ag, Mo	Granitoid related vein/replacement Au-Ag-Cu	4552

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
24		Occurrence №23		Occur.	50	09	44	102	28	05	Cu	Ag	Granitoid related vein Cu	4552
25		Occurrence №75		Occur.	50	09	46	102	28	48	Cu	Ag, Au	Granitoid related vein Cu	4552
26		Occurrence №24		Occur.	50	09	21	102	28	08	Cu	Ag	Granitoid related vein Cu	4552
27		Occurrence №11		Occur.	50	09	15	102	24	03	Au	Cu, Ag	Granitoid related vein/replacement Au-Ag-Cu	4552
28		Occurrence №41		Occur.	50	08	12	102	25	33	Au	Cu, Ag	Granitoid related vein Au-Ag-Cu	4552
29		Occurrence №61		Occur.	50	08	03	102	26	30	Au	Cu, Ag	Granitoid related vein Au-Ag-Cu	4552
30		Occurrence №42		Occur.	50	07	42	102	27	10	Au	Cu, Ag	Granitoid related vein Au-Ag-Cu	4552
31		Occurrence №9		Occur.	50	07	46	102	27	26	Cu	Ag	Granitoid related vein Cu	4552
32		Occurrence №46		Occur.	50	07	36	102	27	50	Au	Cu, Ag	Granitoid related vein Au-Ag-Cu	4552
33	05385	Unnamed		Occur.	50	07	00	102	28	00	Cu		Granitoid related vein Cu	400
34		Occurrence №20		Occur.	50	07	27	102	29	17	Au, Ag, Cu	Pb, Zn	Granitoid related vein/replacement Au-Ag-Cu	4552
35		Occurrence №19		Occur.	50	07	00	102	29	00	Au	Cu, Ag	Granitoid related vein Au-Ag-Cu	4552
36		Occurrence №29		Occur.	50	06	34	102	29	47	Au	Cu, Ag	Granitoid related vein Au-Ag-Cu	4552
37		Occurrence №2		Occur.	50	06	40	102	28	35	Au	Cu, Ag	Granitoid related vein/replacement Au-Ag-Cu	4552
38		Occurrence №1		Occur.	50	06	20	102	28	40	Au	Cu, Ag	Granitoid related vein/replacement Au-Ag-Cu	4552
39		Occurrence №44		Occur.	50	07	35	102	24	48	Au	Cu, Ag	Granitoid related vein Au-Ag-Cu	4552
40		Occurrence №43		Occur.	50	07	10	102	25	02	Au	Cu, Ag	Granitoid related vein Au-Ag-Cu	4552
41		Occurrence №35		Occur.	50	07	16	102	25	14	Au	Cu, Ag	Granitoid related vein Au-Ag-Cu	4552
42		Ereen (Tavt)	Dep.		50	07	00	102	27	00	Au	Ag, Cu	Granitoid related vein/replacement Au-Ag-Cu	4041, 4443, 4552
43		Occurrence №34		Occur.	50	06	57	102	26	12	Au	Cu, Ag	Granitoid related vein Au-Ag-Cu	4552
44	00370	Ereen		Occur.	50	06	00	102	26	00	Cu		Cu skarn	2432
45	00232	Nergui, №65		Occur.	50	06	00	102	27	00	Au	Cu, Ag	Granitoid related vein Au-Ag-Cu	4041
46		Occurrence №64		Occur.	50	08	32	102	22	50	Au	Cu, Ag	Granitoid related vein Au-Ag-Cu	4552
47		Occurrence №58		Occur.	50	08	25	102	22	35	Au	Cu, Ag, Pb, Zn	Granitoid related vein Au-Ag-Cu	4552
48		Occurrence №59		Occur.	50	08	36	102	22	30	Pb, Zn	Cu	Granitoid related vein/replacement Pb-Zn	4552
49		Occurrence №60		Occur.	50	07	55	102	23	10	Au	Ag, Cu, Pb, Zn	Granitoid related vein Au-Ag-Cu	4552
50		Occurrence №63		Occur.	50	07	45	102	23	38	Au	Ag, Cu, Pb, Zn	Granitoid related vein Au-Ag-Cu	4552
51		Occurrence №62		Occur.	50	07	32	102	23	20	Au	Ag, Cu, Pb, Zn	Granitoid related vein Au-Ag-Cu	4552
52		Occurrence №67		Occur.	50	07	15	102	23	08	Au	Cu, Ag	Granitoid related vein/replacement Au-Ag-Cu	4552

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
53		Occurrence №18		Occur.	50	07	00	102	23	12	Au	Ag, Cu	Granitoid related vein Au-Ag-Cu	4552
54		Occurrence №45		Occur.	50	07	11	102	23	51	Au	Ag, Cu	Granitoid related vein Au-Ag-Cu	4552
55		Occurrence №76		Occur.	50	07	24	102	23	57	Au	Ag, Cu	Granitoid related vein Au-Ag-Cu	4552
56		Occurrence №78		Occur.	50	06	53	102	23	32	Cu	Ag	Granitoid related vein Cu	4552
57		Occurrence №10		Occur.	50	07	14	102	21	50	Au	Ag, Cu	Granitoid related vein Au-Ag-Cu	4552
58		Occurrence №3		Occur.	50	06	29	102	22	30	Au	Ag, Cu	Granitoid related vein Au-Ag-Cu	4552
59		Occurrence №66		Occur.	50	06	02	102	23	12	Au	Ag, Cu	Granitoid related vein Au-Ag-Cu	4552
60		Occurrence №65		Occur.	50	06	12	102	23	28	Au	Ag, Cu	Granitoid related vein Au-Ag-Cu	4552
61		Occurrence №4		Occur.	50	05	36	102	24	35	Au	Ag, Cu	Granitoid related vein Au-Ag-Cu	4552
62		Occurrence №40		Occur.	50	05	25	102	25	28	Au	Ag, Cu	Granitoid related vein Au-Ag-Cu	4552
63		Occurrence №5		Occur.	50	04	54	102	25	25	Au	Ag, Cu	Granitoid related vein Au-Ag-Cu	4552
64	01802	Ereen gol		Occur.	50	06	00	102	28	00	Au		Placer Au	372, 402, 4041, 4443, 4862
65		Occurrence №+D95928		Occur.	50	04	12	102	28	50	Zn	Pb, Ag	Granitoid related vein/replacement Pb-Zn	4552
66		Occurrence №6		Occur.	50	01	18	102	23	40	Au	Ag, Cu	Granitoid related vein/replacement Au-Ag-Cu	4552
67		Ereen gol		Occur.	50	09	50	102	40	30	W		W skarn	4041, 4443, 4552
68	04381	Ovoony bulan		Occur.	50	10	00	102	42	38	Cu		Cu skarn	4862, 5170
69	04380	Lusyn ovoo tolgoi		Occur.	50	09	15	102	44	30	Cu		Cu skarn	4862, 5170
70		Occurrences №50, 51, 52, D96453		Occur.	50	10	30	102	48	00	Au	Ag, Ni, Cu	Granitoid related vein Au-Ag-Cu	4552
71	04631	Khets uul		Occur.	50	06	45	102	44	00	Au	Cu, Ag	Granitoid related vein Au-Ag-Cu	5170
72	04632	Bulagt am		Occur.	50	02	30	102	38	45	Au		Au skarn	5170
73	05398	Tsagaan jalgyn bulag		Occur.	50	08	00	103	43	00	Cr		Placer chromate	402, 3156, 4041, 4443
74	01803	Tsagaanchuluutyn bulag		Occur.	50	07	00	103	44	00	Au		Placer Au	402, 3156, 4041, 4443
75	04408	Muharbaiv		Occur.	50	22	57	105	53	43	Nb		Ta-Nb pegmatite	5031
76		Baiv		Occur.	50	22	58	104	56	00	Au		Granitoid related vein Au	5031
77	00369	Baruun khujirt		Occur.	50	18	00	104	25	30	W, Mo	Au, Ag	W-Mo greisen	4041
78	00257	Bulagt	Dep*		50	16	20	104	22	00	W, Mo	Au, Ag	W-Mo greisen	4041, 4443
79	00233	Suhait		Occur.	50	15	00	104	23	00	Mo		W-Mo greisen	4041, 4443
80		Skarny (or Occurrence №74)		Occur.	50	14	30	104	22	00	Mo		W-Mo skarn	4041, 4443
81	00235, 04026	Tarvagatai group		Occur.	50	14	50	104	23	50	Au	Pb, Zn, Sb, As	Granitoid related vein Au	3624, 4041, 4443, 5031

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
82	05411	Zuun tarvagatai		Occur.	50	14	00	104	25	00	Pb		Granitoid related vein/replacement Pb-Zn	3624
83		Occurrence №30		Occur.	50	17	23	104	33	28	Au		Granitoid related vein Au	5031
84		Khoot		Occur.	50	13	35	104	37	02	Au		Granitoid related vein Au	5031
85		Nomt uul		Occur.	50	12	57	104	36	20	Au		Granitoid related vein Au	5031
86	05366	Khoshuu ovoog group		Occur.	50	17	28	104	52	30	Bi	Au, Ag	Granitoid related vein Bi	402, 3624, 4041, 4443, 5031
87	04290	Maihan uul		Occur.	50	15	57	104	54	37	Bi	Au	Granitoid related vein Bi	5031
88	04302, 04287-04289	Olont group (№96, 97, 98)		Occur.	50	14	50	104	52	55	Bi	W, Mo, Au, Ag	Granitoid related vein Bi	5031
89	04291	Kheregch		Occur.	50	11	30	104	49	10	Bi	W, Mo, Ag	Granitoid related vein Bi	5031
90		Tomor malgai	Dep.		50	04	40	104	50	30	Sillimanite, disten		Metamorphic disten-sillimanite-andalusite	3624, 4041, 4443
91	00234	Tomor malgai group (or Tomormalgai II and III)		Occur.	50	02	00	104	52	00	Sillimanite, disten		Metamorphic disten-sillimanite-andalusite	3624, 4041, 4443
92		Nozoor		Occur.	50	28	59	105	29	20	Disten		Metamorphic disten-sillimanite-andalusite	5031
93		Boots		Occur.	50	23	20	105	30	20	Sillimanite, disten	Au	Metamorphic disten-sillimanite-andalusite	5031
94		Ulaalzgana		Occur.	50	22	32	105	30	10	Sillimanite	Muscovite	Metamorphic disten-sillimanite-andalusite	5031
95		Uhmal		Occur.	50	20	57	104	24	40	Disten		Metamorphic disten-sillimanite-andalusite	5031
96		Khar ondor		Occur.	50	19	19	105	24	15	Disten	Staurolite, garnet, Au, V, Ti	Metamorphic disten-sillimanite-andalusite	5031
97		Tsait		Occur.	50	18	58	105	21	51	Disten, Sillimanite	Garnet	Metamorphic disten-sillimanite-andalusite	5031
98	00236	Baruun nomt		Occur.	50	18	58	105	11	09	Sillimanite		Metamorphic disten-sillimanite-andalusite	4041, 4443
99	00237	Morin tolgoi (Jargalant)		Occur.	50	18	44	105	09	42	Disten, Sillimanite	Staurolite	Metamorphic disten-sillimanite-andalusite	4041, 4443
100	04292-04296	Barchin group (№ 107, 1148 1158 1188 125)		Occur.	50	17	37	105	06	10	Bi		Granitoid related vein Bi	5031
101	04299	Occurrence №123		Occur.	50	17	12	105	12	50	Bi		Granitoid related vein Bi	5031
102	04297, 04298	Occurrence №130, 131		Occur.	50	14	30	105	11	30	Bi		Granitoid related vein Bi	5031
103		Zeeren group (№132, 133, 134)		Occur.	50	14	38	105	12	30	Au	Ag	Granitoid related vein Au	5031
104	044 10	Khurheree		Occur.	50	13	48	105	00	18	Be	Nb	Be pegmatite	5031
105	04129, 04300	Baga shiver uul		Occur.	50	11	40	105	21	00	Bi	Ag	Granitoid related vein Bi	5031
106	04130	Tashir uul		Occur.	50	12	20	105	28	58	Bi	W	Granitoid related vein Bi	5031
107	00052	Unnamed		Occur.	50	13	00	105	53	00	Nb		Ta-Nb-(REE) pegmatite	473

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
108	00230	Orhin		Occur.	50	03	00	105	07	00	Cu		Porphyry Cu-Mo	3624, 4041, 4443
109	00238	Jargalant		Occur.	50	01	00	105	40	00	Au		Epithermal vein Au-Ag	4041, 4443
110		Suhbaatar	Dep.		50	18	50	106	10	00	Sillimanite		Metamorphic disten-sillimanite-andalusite	1601, 4041, 4443
111		Delgerhaan north		Occur.	50	01	00	106	21	00	Pb, Zn		Granitoid related vein/replacement Pb-Zn	1601, 3914, 4443
112	677	Zalaat	Dep.		49	56	00	102	01	00	Asbestos		Serpentine-hosted asbestos	1612, 2982, 4041, 4443
113		Teshig**	Dep.		49	59	00	102	28	45	Au, Cu	Ag	Au-Cu skarn	4552
114	00239	Teshig 1		Occur.	49	57	30	102	28	20	Au, Cu		Au-Cu skarn	2982, 4041, 4443, 4552
115	05387	Teshig 2 (or Bayasgalan)		Occur*.	49	58	30	102	31	00	Cu	Au, Ag	Cu skarn	2982, 4041, 4443, 4552
116		Occurrence № 82		Occur.	49	58	45	102	34	20	Cu	Au, Ag	Granitoid related vein Cu	4552
117	05388	Tsahir uul (Tershig 3)		Occur.	49	59	00	102	39	50	Cu		Cu skarn	2982, 4041, 4443, 4552
118	05389	Khureetiin gol (or Prospected area №2)		Occur.	49	50	00	102	03	00	Au	Cu	Granitoid related vein Au-Ag-Cu	1500, 2982, 4041, 4443, 4552
119		Khushuut		Occur.	49	37	15	102	13	50	Au	Ag, Cu	Granitoid related vein Au-Ag-Cu	1500, 4041, 4443, 4552
120	05391	Khavchirga		Occur.	49	50	00	103	29	00	Cu		Granitoid related vein Cu	3832, 4552
121	00109	Bayanzurh		Occur.	49	45	00	103	06	00	Cu		Granitoid related vein Cu	3156
122	00108	Bulagt		Occur.	49	43	00	103	00	00	Cu		Granitoid related vein Cu	3156
123	00240	Ar shivert		Occur.	49	29	00	103	05	00	Mo		Granitoid related U-Mo veins	4041, 4443, 4552
124		Bayangol. (Airanomaly 415 )		Occur.	49	31	00	103	35	25	Ta, Nb, REE	Zr, U, Th	Ta-Nb-(REE) pegmatite	4552
125		Bayangol (Airanomalies №2201, 2202, 2203)		Occur.	49	30	36	103	39	36	U-TR		Th(U)-Nb-Zr(REE) alkaline metasomatites	4552
126	05354	Ar khanat		Occur.	49	30	00	103	39	00	Ta, Nb		Ta-Nb-(REE) pegmatite	2593, 3025, 4443, 4552
127	00229	Ar khonon		Occur.	49	30	00	103	39	00	Ti, Fe		Paleoplacer Ti-Zr	4041
128		Bayangol		Occur.	49	26	10	103	38	25	Cu	Mo	Porphyry Cu-Mo	1811, 3156, 4041, 4443, 4552
129	05362	Unnamed		Occur.	49	57	00	104	41	00	W		Metamorphic hydrothermal sheelite	473, 5270
130	05402	Davaany, №27		Occur.	49	56	00	104	52	00	Sillimanite		Metamorphic disten-sillimanite-andalusite	3624, 4041, 4443
131	00244	Khailantai (№139)		Occur.	49	43	00	104	12	00	Sillimanite		Metamorphic disten-sillimanite-andalusite	4041, 4552
132	00245	Shavartyn (№134)		Occur.	49	37	00	104	08	00	Sillimanite		Metamorphic disten-sillimanite-andalusite	4041, 4552
133	00242	Manhtai (or Dashlyung)		Occur.	49	47	00	104	37	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	3624, 4041, 4443
134	00243	Tsushiin gol		Occur.	49	46	00	104	39	00	U		Granitoid related U	4041
135	05410	Dashlyung (or Lestnichnoe)		Occur.	49	46	00	104	41	00	Mo		Granitoid related U-Mo veins	3624, 4041, 4443
136		Sharon		Occur.	49	46	00	104	57	00	Cu		Porphyry Cu-Mo	3624, 4552

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
137	05392	Ovgon sant uul		Occur.	49	42	00	104	56	00	Cu		Porphyry Cu-Mo	2221, 3624, 4041, 4443
138		Unnamed		Occur.	49	30	30	104	07	30	U		Sandstone-hosted U	4552
139		Unnamed		Occur.	49	34	30	104	22	30	U		Sandstone-hosted U	4552
140		Unnamed		Occur.	49	34	40	104	31	00	U		Sandstone-hosted U	4552
141	05323	Dalh ovoo		Occur.	49	28	00	104	56	00	Cu		Porphyry Cu-Mo	4553
142		Deed ust		Occur.	49	26	30	105	57	00	Cu		Porphyry Cu-Mo	3865, 4443
143		Khavchuu		Occur.	49	20	00	104	10	00	Cu	Mo	Porphyry Cu-Mo	3865, 4443
144	00020	Unnamed (№240)		Occur.	49	58	00	105	59	00	Au		Granitoid related vein Au	1546
145	00231	Arshaant		Occur.	49	50	00	105	54	00	Cu		Porphyry Cu-Mo	4041
146	01809, 05414	Bots		Occur.	49	49	00	105	37	00	Cu		Basaltic Cu	1546, 1684, 3914, 4041, 4443
147	05393	Toilbyn		Occur.	49	44	00	105	18	00	Cu		Porphyry Cu-Mo	1913
148	00413	Lam zah tolgoi		Occur.	49	42	00	105	48	00	Cu		Porphyry Cu-Mo	4396
149	05413	Ulaan uul		Occur.	49	42	00	105	50	00	Pb		Granitoid related vein/replacement Pb-Zn	3914
150		Sharhad		Occur.	49	35	24	105	37	42	Cu	Mo	Porphyry Cu-Mo	3914, 4443
151	00046	Teltiin gol		Occur.	49	32	00	105	14	00	Cu		Porphyry Cu-Mo	4429
152	05401	Amarhiid		Occur.	49	30	00	105	03	00	Cu		Porphyry Cu-Mo	3808
153	05415	Usanseer		Occur.	49	25	00	105	30	00	Cu		Porphyry Cu-Mo	3914, 4443
154	05351	Khudag ovoo		Occur.	49	20	00	105	54	00	Cu		Cu skarn	3935
155		Delgerhaan south		Occur.	49	57	00	106	21	00	Ag, Pb	Zn, Cu	Granitoid related vein/replacement Pb-Zn	1601, 3914, 4443
156	01812	Monost bulag		Occur.	49	54	00	106	30	00	Au		Granitoid related vein Au	1884, 3914
157	00249	Unnamed (№1148)		Occur.	49	51	00	106	35	00	Au		Granitoid related vein Au	1938, 4041, 4443
158		Mandalyn am		Occur.	49	49	50	106	34	20	Au		Placer Au	5065
159		Bayantsagaan		Occur.	49	47	00	106	44	20	Au		Paleoplacer Au	5065
160	05417	Bayanharaat		Occur.	49	48	00	106	15	00	Cu		Porphyry Cu-Mo	3914, 4443
161	00191	Khanjargalant uul		Occur.	49	41	00	106	09	00	Cu		Porphyry Cu-Mo	3914, 4443
162	00063	Oyut uul		Occur.	49	38	00	106	12	00	Cu		Porphyry Cu-Mo	1475, 1684, 3914, 4443
163	05416, 04138	Oyut tolgoi		Occur.	49	38	55	106	38	45	Au	Cu, Fe	Au skarn	1357, 4041, 4443, 5065
164	05440	Khust uul		Occur.	49	39	00	106	52	00	Fe		Sedimentary Fe	1357, 3498, 4443
165	03962- 03964	Songino uul-Olont-Ust angal uul group		Occur.	49	29	20	106	42	05	Fe	Ni	Zoned mafic-ultramafic Ti-Fe	4793

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
166	05457	Khuiten		Occur.	49	29	00	106	43	00	Fe		Fe skarn	3493, 4793
167	03956	Mool uul		Occur.	49	27	20	106	37	10	Ni	Fe, Co	Gabbroic Ni-Cu	4793
168	03955	Monostai		Occur.	49	26	20	106	35	10	Fe	Ti	Zoned mafic-ultramafic Ti-Fe	4793
169	05441	Zagtondor		Occur.	49	30	00	106	11	00	Fe		Fe skarn	1475, 3498, 4443
170	03971	Ust angal uul (№249)		Occur.	49	28	50	106	09	30	Au		Granitoid related vein Au	4793
171	03968	Darhantuleet uul		Occur.	49	28	30	106	06	30	Cu		Cu skarn	4793
172	03969	Kharchuluut uul		Occur.	49	28	15	106	11	20	Cu		Cu skarn	4793
173	03954	Tsogtondor		Occur.	49	27	10	106	12	40	Fe		Fe skarn	4793
174	03965	Khanan		Occur.	49	26	40	106	08	25	Fe		Zoned mafic-ultramafic Ti-Fe	4793
175	03958	Berh uul		Occur.	49	23	40	106	03	50	Cu, Zn	Au, Ag, Fe, Pb	Cu skarn	4793
176		Talyn tolgoi		Occur.	49	22	15	106	00	50	Fe	Cu	Fe skarn	4793
177	155	Baganoyon	Dep**.		49	23	30	106	44	10	Au		Placer Au	547, 3491, 3693, 4443
178	00741, 01814	Nariin kharganat		Occur.	49	21	00	106	43	00	Au		Granitoid related vein Au	547, 1357, 1566, 4443, 4793
179	154	Khuiten	Dep***.		49	21	00	106	40	00	Au		Placer Au	547, 3491, 3693, 4443
180	00247	№158 (or Vein №66 and 67)		Occur.	49	22	00	106	47	00	Au		Granitoid related vein Au	1822, 4041
181	00248	№162 (or Vein № 71)		Occur.	49	21	00	106	49	00	Au		Granitoid related vein Au	1822, 4041
182		Mogoi	Dep*.		49	20	00	106	48	00	Au		Placer Au	547, 2286, 2939, 4443
183	153	Kharganat	Dep***.		49	24	00	106	59	00	Au		Placer Au	547, 554, 1890, 2269, 2286, 2984, 3557, 3688, 4443
184		Vein № 68		Occur.	49	21	30	106	56	20	Au	Ag	Granitoid related vein Au	1822, 4443
185	151	Olont	Dep***.		49	20	00	106	56	30	Au		Placer Au	547, 1890, 2269, 2286, 2939, 2984, 3557, 3688, 4443
186	004	Tomortei	Dep.		49	41	00	107	15	00	Fe		Fe skarn	1884, 3498, 4443
187	029	Bayangol	Dep.		49	38	04	107	01	00	Fe		Fe skarn	1851, 4443
188	00304	Uilga gol		Occur.	49	49	40	107	46	30	Au		Placer Au	3458, 4675
189	01817	Khyars		Occur.	49	46	00	107	45	00	Au		Placer Au	3458
190	00095	Khyars gol		Occur.	49	47	00	107	52	00	Au		Placer Au	1884, 3458, 4443
191	00157	Zerlegiin gorhi		Occur.	49	44	00	107	47	00	Au		Placer Au	3458
192	00159	Beltiin gorhi		Occur.	49	43	00	107	37	00	Au		Placer Au	3458
193	00160	Zeviin gorhi		Occur.	49	41	00	107	42	00	Au		Placer Au	3458
194	1903	Zelt		Occur.	49	38	00	107	41	00	Au		Placer Au	547, 3458, 4443



0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
195	156	Khuder	Dep***.		49	39	00	107	43	00	Au		Placer Au	547, 3458, 3742, 4443
196	00158	Khatiin gorhi		Occur.	49	40	00	107	44	00	Au		Placer Au	3458
197	01904	Tsagaanuzuur	Dep*.		49	38	00	107	45	00	Au		Placer Au	489, 547, 4443
198	01902	Malgai "Shapka"		Occur.	49	39	00	107	46	00	Au		Placer Au	547, 4443
199	01901	Uuls hoorondyn namag "Mejgornoe boloto"		Occur.	49	39	00	107	48	00	Au		Placer Au	547, 4443
200		Galgatai (Shorgoolj)		Occur.	49	41	00	107	25	20	Au	Ag	Granitoid related vein Au	1884, 4041, 4443
201	01908	Buduun		Occur.	49	36	00	107	36	30	Au		Placer Au	547, 4443
202	00305	Tsagaanshiluustei		Occur.	49	35	00	107	35	00	Au		Placer Au	547, 4443, 4675
203	01907	Shar gol		Occur.	49	35	00	107	30	00	Au		Placer Au	547, 2029, 3742, 4443
204	00089	Occurrence №8		Occur.	49	34	00	107	30	00	Au		Granitoid related vein Au	1424
205	01906	Galgatai		Occur.	49	35	00	107	23	00	Au		Placer Au	547, 1884, 1892, 1988, 4443
206	00319	Monost gorhi		Occur.	49	31	00	107	20	30	Au		Placer Au	4411
207	00318	Oortsog gorhiin khondii		Occur.	49	32	30	107	25	45	Au		Placer Au	4411
208	00086	Oorthog gol		Occur.	49	32	00	107	29	00	Au		Granitoid related vein Au	1424
209	00087	Tolgoit (№16)		Occur.	49	30	00	107	32	00	Au		Granitoid related vein Au	1424
210		Eleet gol		Occur.	49	31	30	107	12	30	Au		Granitoid related vein Au	1822, 4443
211	00711	Eleet		Occur.	49	31	00	107	14	00	Au		Placer Au	3889
212	01909	Jargalant		Occur.	49	30	00	107	15	00	Au		Placer Au	489, 1861, 3889, 4443
213	00189	Ahain gorhi		Occur.	49	26	00	107	06	00	Au		Placer Au	3889, 4443
214	00190	Ugtaalyn gorhi		Occur.	49	25	00	107	09	00	Au		Placer Au	3889, 4443
215	00330	Ugtaalyn gol		Occur.	49	23	20	107	09	30	Au		Placer Au	4786
216		Narst		Occur.	49	23	30	107	10	30	Au		Placer Au	3889
217		Chuluut		Occur.	49	22	30	107	10	00	Au		Placer Au	3889, 4443
218		Oroin gorhi		Occur.	49	22	55	107	14	00	Au		Placer Au	2092, 4443
219	00253	Sangiin gol		Occur.	49	30	30	107	23	30	Au		Paleoplacer Au	4041, 4443
220	137	Namgiin "Bolotnyi"	Dep*.		49	30	00	107	22	00	Au		Placer Au	1861, 2925, 2975, 3143, 3144, 3148, 3556, 4443
221	135	Sangiin	Dep*.		49	29	30	107	23	00	Au		Placer Au	1678, 1770, 1861, 3620, 4443
222	136	Sangiin-itgel	Dep*.		49	30	20	107	25	00	Au		Placer Au	2868, 3872, 4121, 4227

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
223	01910	Unnamed (№2)		Occur.	49	29	40	107	25	00	Au		Granitoid related vein Au	2984
224	133	Tolgoit	Dep***.		49	28	40	107	22	00	Au		Placer Au	55, 547, 1550, 1601, 1678, 1728, 1775, 1861, 2222, 2223, 3556, 3620, 4290, 4443
225	142	Nariin "Uzkii"	Dep*.		49	29	00	107	23	00	Au		Placer Au	4121, 4227
226	141	Orgon "Shirokii"	Dep*.		49	29	00	107	25	00	Au		Placer Au	4121, 4227, 4310
227	144	Samarhaan	Dep*.		49	27	30	107	22	00	Au		Placer Au	2868, 3872, 4121, 4227
228	134	Nariin (Tolgoit)	Dep***.		49	28	00	107	23	00	Au		Placer Au	1775, 3544, 3556, 3872, 4443
229	01911	Chuluut		Occur.	49	27	00	107	18	00	Au		Placer Au	3464, 4443
230		Gozonshar (№32, 34, 35)		Occur.	49	27	00	107	22	00	Au		Granitoid related vein Au	1822, 2984, 4443
231	00678	Nergui am		Occur.	49	27	00	107	23	00	Au		Placer Au	4786
232	00710	Gozonshar	Dep***.		49	26	30	107	22	35	Au		Placer Au	3464, 4443, 4786
233	00709	Altan gorhi "Zolotoi klyuch"		Occur.	49	26	20	107	22	00	Au		Placer Au	4786
234	00623, 259,	Mogoi	Dep***.		49	25	30	107	25	00	Au		Placer Au	3464, 4443, 5269
235	01915	Kabargin		Occur.	49	25	00	107	27	00	Au		Placer Au	3464, 4443
236		Bugantai		Occur.	49	25	00	107	28	00	Sn		W-Sn veins	2241, 4443
237	01914	Bagasuv		Occur.	49	26	00	107	30	00	Au		Placer Au	3464, 4443
238	00161	Zalaatyn gorhi		Occur.	49	26	00	107	31	20	Au		Placer Au	3464
239	139	Niileh	Dep*.		49	26	00	107	35	00	Au		Placer Au	547, 3464, 3733, 4443
240	197	Lower part of the Bugantai	Dep***.		49	26	00	107	20	00	Au		Placer Au	3464, 3733, 3889, 4443, 5269
241	138	Bugantai	Dep***.		49	25	40	107	23	00	Au		Placer Au	547, 1795, 1861, 3464, 3733, 3889, 4302, 5269
242	198	Upper part of the Bugantai	Dep***.		49	25	00	107	32	00	Au		Placer Au	547, 1822, 1861, 3464, 3733, 3889, 4443, 5269
243	00332	Bagabayan		Occur.	49	24	00	107	40	00	Au		Placer Au	4786
244		Occurrences №40, 41, 42		Occur.	49	25	15	107	19	10	Au		Granitoid related vein Au	1822, 2984, 4443
245	139	Baga olont	Dep.*		49	25	00	107	18	00	Au		Placer Au	547, 1861, 3464, 3733, 4443
246		Occurrences №38, 47-59		Occur.	49	24	00	107	19	00	Au		Granitoid related vein Au	1822, 2984, 4443
247	140	Ikh olont	Dep.*		49	24	00	107	19	30	Au		Placer Au	547, 3464, 3556, 4443
248	258	Salbartai	Dep***.		49	21	20	107	24	45	Au		Placer Au	3889, 4443, 5269
249	00254	Salbart №218		Occur.	49	22	00	107	19	00	Au		Granitoid related vein Au	4041

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
250	00088	Chuluut gol (№22)		Occur.	49	21	00	107	16	00	Sn		W-Sn veins	1424
251		Oorts-1		Occur.	49	20	34	107	21	37	Sn		W-Sn veins	1993, 2241, 4443
252		Salbart		Occur.	49	20	00	107	23	00	Ta, Nb		Ta-Nb pegmatite	1880, 4443
253	05458	Unnamed		Occur.	49	22	00	107	38	00	Fe		Sedimentary Fe	1424
254	03733	Unegtiin tsagaan gol		Occur.	49	09	30	102	23	00	Fe		Zoned mafic-ultramafic Ti-Fe	2043, 4443
255	03736	Ulaan gozgor		Occur.	49	07	40	102	23	30	Fe		Zoned mafic-ultramafic Ti-Fe	2043, 4443
256	00410	Zuun oortsog		Occur.	48	48	00	102	04	00	Mo		Porphyry Cu-Mo	4396
257	00463	Mogoin gol		Occur.	48	45	00	102	04	00	Cu		Porphyry Cu-Mo	2043, 2924, 4443
258	00342	Sairyn khondii		Occur.	48	41	00	102	08	00	Cu		Porphyry Cu-Mo	2043, 2924
259	00461	Khuljiin gol		Occur.	48	41	00	102	12	00	Mo		Porphyry Cu-Mo	2043, 2924
260	715	Khunt nuur	Dep.**		48	47	00	102	15	00	Bentonite		Sedimentary bentonite	1475, 2765, 3795, 4443
261	00344	Zaidangiin davaa		Occur.	48	42	00	102	26	00	Cu		Cu skarn	2043, 4403
262	01919	Altat uul		Occur.	48	40	00	102	31	00	Quartz		Miarolitic and abyssal pegmatite	1014, 1500, 4443
263	00408,00 416	Sharhad group (Ereen iher)		Occur.	48	49	00	102	34	00	Mo		Porphyry Cu-Mo	4403
264	00422	Gezeg		Occur.	48	51	00	102	44	00	Mo		Porphyry Cu-Mo	4403
265	00423	Zairan		Occur.	48	49	00	102	42	00	Cu		Porphyry Cu-Mo	4403
266	00424	Burgedhyar		Occur.	48	52	00	102	49	00	Cu		Porphyry Cu-Mo	4403
267	00418	Nomgon		Occur.	48	49	00	102	47	00	Cu		Porphyry Cu-Mo	4403
268	05403, 01918, 00421	Ormiintsagaan nuur		Occur.	48	48	00	102	55	00	Cu	Au, Ag	Porphyry Cu-Mo	2043, 2924, 4403, 4443
269	00409	Ar bulag		Occur.	48	45	00	102	53	00	Cu		Porphyry Cu-Mo	4396
270		Deed muruu gol		Occur.	48	47	00	102	57	00	Cu	Au, Ag	Porphyry Cu-Mo	4403
271	00420	Undrah		Occur.	48	42	00	102	46	00	Cu		Porphyry Cu-Mo	4403
272	00360	Davaa		Occur.	49	16	00	103	56	00	Cu		Porphyry Cu-Mo	2221, 2832
273	05404	Mogoin gol		Occur.	49	15	00	103	45	00	Cu		Porphyry Cu-Mo	3209, 3865
274	05400	Khujiriin gol		Occur.	49	08	00	103	39	00	Cu		Porphyry Cu-Mo	1911, 1965, 2924, 3865, 4443
275	05405	Gangat		Occur.	48	50	00	103	18	00	Cu		Basaltic Cu	3538
276		Azargyn davaa		Occur.	48	51	00	103	21	50	Cu		Porphyry Cu-Mo	2035, 3538, 4443
277	05406	Bulgan		Occur.	48	51	00	103	30	00	Cu		Basaltic Cu	2035, 3181, 3538, 4443

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
278	00167	Zuun turuunii gol		Occur.	48	53	00	103	36	00	Cu		Basaltic Cu	2035, 3538
279	00416	Tsaahormorit		Occur.	48	45	00	103	16	00	Au		Granitoid related vein Au	4403
280	00417	Khar uul		Occur.	48	42	00	103	19	00	Cu		Porphyry Cu-Mo	4403
281	00165	Jasyn buuts		Occur.	48	47	00	103	26	00	Cu		Porphyry Cu-Mo	3538
282	00337	Occurrence №10		Occur.	48	47	00	103	35	00	Cu		Basaltic Cu	2035
283	00338	Occurrence №9		Occur.	48	48	00	103	36	00	Cu		Basaltic Cu	2035, 2481
284	00359	Mej uul		Occur.	48	49	00	103	41	00	Cu		Basaltic Cu	2221
285	00615	Mich uul		Occur.	48	44	00	103	39	00	W		W-Mo veins	2035
286	00358	Baga mich uul		Occur.	48	44	00	103	48	00	Cu		Basaltic Cu	2221
287	00339	Myangan uul (Saryn gol)		Occur.	48	42	00	103	57	00	W		W-Mo skarn	2035, 4443
288		Inget		Occur.	49	13	30	104	01	20	Cu	Mo	Porphyry Cu-Mo	2221, 3865, 4443
289		Zoohiin gol		Occur.	49	14	00	104	14	00	Cu	Mo	Porphyry Cu-Mo	1813, 1965, 3209, 3865, 4443
290		Baruunburen		Occur.	49	17	00	104	39	40	Cu		Basaltic Cu	1820, 1965, 4443
291	05350	Shiveet gol		Occur.	49	13	00	104	37	00	Cu		Basaltic Cu	1820, 1965, 4443
292	00612	Naran		Occur.	49	15	00	104	43	00	Cu		Porphyry Cu-Mo	4420
293	00613	Myangan lant		Occur.	49	14	00	104	48	00	Cu		Basaltic Cu	4420
294	01820	Tsagaanchuluut		Occur.	49	19	00	104	56	00	Mountain crystal		Miarolitic and abyssal pegmatite	1500, 1559, 4443
295	01821	Ashat uul		Occur.	49	06	00	104	42	00	Mountain crystal		Miarolitic and abyssal pegmatite	1438, 4443
296	05321	Serten nomgon		Occur.	49	04	00	104	55	00	Cu	Ni, Pd, Pt	Gabbroic Ni-Cu-(PGE)	3865, 4443, 4553
297	024	Erdenetiin ovoo northwest	Dep***		49	01	00	104	08	00	Cu	Mo	Porphyry Cu-Mo	1438, 1500, 1811, 1813, 1820, 1838, 1910, 1947, 1998, 2083, 2221, 2588, 3209, 3282, 4443
298	008	Erdenetiin ovoo central	Dep.		49	00	00	104	10	00	Cu	Mo	Porphyry Cu-Mo	1961, 1813, 1820, 1947, 3283, 3865, 4365, 4383, 4443
299	3-9	Navchit gol (Oyut)	Dep.		48	58	00	104	12	00	Cu, Mo	Ag, Re	Porphyry Cu-Mo	3865, 4443
300		Tourmaline		Occur.	48	56	30	104	18	30	Cu	Mo	Porphyry Cu-Mo	1811, 1813, 3209, 3865, 4443
301		Chuluut part		Occur.	48	59	30	104	02	00	Cu	Mo	Porphyry Cu-Mo	3865, 4443
302		Ondor (South ore-junction)		Occur.	48	49	50	104	13	50	Cu	Mo	Porphyry Cu-Mo	1811, 1813, 3209, 4443
303		Shand		Occur.	48	46	30	104	13	00	Cu, Mo		Porphyry Cu-Mo	3209, 3865, 4443
304		Zuiliin gol		Occur.	48	44	45	104	13	40	Cu	Mo	Porphyry Cu-Mo	1814, 1965, 3865, 4443
305	01825	Doltai		Occur.	48	43	00	104	08	00	Mountain crystal		Miarolitic and abyssal pegmatite	1500, 1559, 1861, 4443

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
306	01826	Bayanondor		Occur.	48	40	00	104	10	00	Mountain crystal		Miarolitic and abyssal pegmatite	1569, 5270
307	02754, 02755, 02756	Yashiltyn		Occur.	48	56	00	104	50	00	Cu, Mo	Ag	Porphyry Cu-Mo	4548
308	02757, 02758	Zuslan tolgoi-Sharhad group		Occur.	48	54	00	104	48	00	Cu		Porphyry Cu-Mo	4548
309	02759	Yardag uul		Occur.	48	52	00	104	40	00	Cu		Porphyry Cu-Mo	4548
310	02762	Achit uul		Occur.	48	49	00	104	43	00	Fe		Sedimentary Fe	4548
311	02763	Khoshuu tolgoi		Occur.	48	49	00	104	47	00	Cu	Mo	Porphyry Cu-Mo	4548
312	02760	Sharus gol		Occur.	48	51	00	104	58	00	Au		Placer Au	4548
313	02767	Olzii nuga		Occur.	48	44	00	104	44	00	Au		Placer Au	4548
314	02770	Toilbyn khondii		Occur.	48	42	00	104	42	00	Au		Placer Au	4548
315	02775	Shandyn ekh		Occur.	48	41	00	104	48	00	Au		Granitoid related vein Au	4548
316	02776	Tavgiin shar		Occur.	48	41	00	104	49	00	Fe		Sedimentary Fe	4548
317	02771	Baashlai		Occur.	48	42	00	104	54	00	Cu		Cu skarn	4548
318	02768	Loog tolgoi		Occur.	48	44	00	104	55	00	Au		Granitoid related vein Au	4548
319	02769	Eregt tolgoi		Occur.	48	43	00	104	56	00	Au		Granitoid related vein Au	4548
320	02774, 02773	Anand - Khudgiin gozgoryn buleg		Occur.	48	41	00	104	59	00	Au		Granitoid related vein Au	4548
321	05320	Togoot uul		Occur.	49	20	00	105	02	00	Cu		Gabbroic Ni-Cu-(PGE)	1553
322	05083	Dartsagt		Occur.	49	19	00	105	10	00	Cu		Porphyry Cu-Mo	4538
323	05082	Tsagaan tolgoi		Occur.	49	18	00	105	26	00	Au		Placer Au	4538
324	05322	Dundserten tolgoi		Occur.	49	12	00	105	14	00	Cu		Cu skarn	1883, 4443, 4553
325		Tsagaan tolgoi		Occur.	49	10	00	105	15	00	Cu		Cu skarn	1883, 4443
326	05084	Zuuvchiin gol		Occur.	49	05	00	105	03	00	Cu		Porphyry Cu-Mo	4538
327	05242	Tsogt tolgoi		Occur.	49	08	00	105	42	00	Cu	Ag	Porphyry Cu-Mo	4622
328	05245	Shaihan		Occur.	49	07	00	105	35	00	Cu		Granitoid related vein Cu	4622
329	05244	Khotol		Occur.	49	04	00	105	31	00	Ni, Co		Gabbroic Ni-Cu-(PGE)	4622
330	05246	Serten		Occur.	49	04	00	105	33	00	Cu		Cu skarn	4622
331	02779	Burd tolgoi		Occur.	48	59	00	105	06	00	Cu		Gabbroic Ni-Cu-(PGE)	4548
332	05243	Tomor tolgoi		Occur.	49	00	00	105	30	00	Au		Granitoid related vein Au	4622
333	05279	Occurrence №1		Occur.	48	56	00	105	37	00	Au		Granitoid related vein Au	4624

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
334		Kharaa gol		Occur.	48	57	34	105	52	40	U, Th	Be, Zr, TR	Th(U)-Nb-Zr(REE) alkaline metasomatites	2432, 4659
335	02784	Ongon uul №1		Occur.	48	53	00	105	08	00	Au		Granitoid related vein Au	1883, 4443, 4548
336	02780	Ongon uul №6		Occur.	48	53	00	105	10	00	Au		Granitoid related vein Au	4548
337	02783	Ongon uul №2		Occur.	48	52	00	105	04	00	Au		Granitoid related vein Au	4548
338	02782, 02785, 02788	Ongon uul No3, 4, 5		Occur.	48	51	00	105	00	00	Au		Granitoid related vein Au	4548
339	02787	Datsangiin khooloi		Occur.	48	51	00	105	04	00	Au		Placer Au	4548
340	05264	Unnamed №6		Occur.	48	50	00	105	20	00	Cu		Cu skarn	4624
341	05276	Bayanuul №17		Occur.	48	47	00	105	21	00	Cu	Au, Ag	Granitoid related vein Cu	4624
342	05080	Salhit №243		Occur.	48	41	00	105	07	00	Au		Placer Au	4304
343	01835	Jargalant №+D1237243		Occur.	48	41	00	105	11	00	Au		Placer Au	4304
344	00431	Tsagaangozgor		Occur.	48	40	00	105	11	00	Au	Ag	Granitoid related vein Au	1883, 2097, 4408, 4876
345	05278, 05280, 05283, 05284	Group occurrences №21, 22, 23, 26		Occur.	48	44	00	105	27	00	Au		Granitoid related vein Au	4624
346	00716	Khuurai nuga		Occur.	48	45	20	105	30	00	Au		Placer Au	4624
347	00715	Burgedtein am		Occur.	48	46	20	105	35	00	Au		Placer Au	4624
348	00717	Shanagan am		Occur.	48	43	20	105	34	20	Au		Placer Au	4624
349	05277	Suusar		Occur.	48	42	00	105	36	00	Au		Granitoid related vein Au	4624
350	01830	Khar yamaat		Occur.	48	43	00	105	54	00	Au		Granitoid related vein Au	1514, 1629, 1837, 4443, 4624
351	00062, 00720, 00721, 01831, 01832, 01836	Khar yamaat group №2,3,4,7, 8,11, 20, 68		Occur.	48	42	00	105	58	00	Au		Granitoid related vein Au	1357, 1514, 1629, 1837, 4443, 4624
352	00718	Khar yamaat		Occur.	48	41	10	105	56	00	Au		Placer Au	4624
353	007	Tomortolgoi	Dep.		49	18	00	106	10	00	Fe		Fe skarn	1433, 1460, 1475, 1542, 1593, 2484, 3498, 3626, 4443
354	00721	Ugluu uul		Occur.	49	11	00	106	12	35	Au		Granitoid related vein Au	4793
355	00723, 01846	Tsaidamhudag (Soninhangai)		Occur.	49	10	00	106	02	37	Au		Granitoid related vein Au	1475, 4793
356	04199	Occurrence №2		Occur.	49	05	47	106	10	02	Fe		Fe skarn	5157
357	05143	Deed buurt	Dep***		49	19	00	106	25	00	Au		Placer Au	4634

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
358		Zooluuhar		Occur.	49	17	30	106	23	20	Au			3818, 4188, 4634
359	01837, 00732, 00733, 00734, 00735	Shaazgait western group		Occur.	49	18	10	106	26	00	Au		Granitoid related vein Au	3493, 3818, 4793
360	00727, 00728, 00729, 00730, 00731	Shaazgait eastern group		Occur.	49	18	40	106	29	00	Au		Granitoid related vein Au	1357, 3818, 4793
361	00853	Chuluut tolgoi		Occur.	49	18	15	106	29	10	Au		Placer Au	4634
362	00325	Nariin am		Occur.	49	19	00	106	31	00	Au		Placer Au	4634
363	05142	Shiveriin nariin		Occur.	49	18	00	106	32	00	Au		Placer Au	4634
364	01841	Group occurrences (№2090 or №64 and №65, 66)		Occur.	49	15	40	106	26	12	Au		Granitoid related vein Au	3493, 4793
365	194	Shaazgait	Dep***.		49	16	30	106	27	30	Au		Placer Au	3818, 3493, 4126, 4188, 4239, 4596
366		Jalga 2	Dep*.		49	16	10	106	27	40	Au		Placer Au	4634
367	196	Jalga 1	Dep*.		49	15	45	106	27	50	Au		Placer Au	3818, 4126, 4188, 4239, 4596
368	00324	Olonhotol		Occur.	49	16	10	106	29	10	Au		Placer Au	4634
369	195	Ondorhotol	Dep***.		49	15	15	106	27	55	Au		Placer Au	3493, 3818, 4126, 4188, 4239, 4596
370	158, 01842	Havchuu	Dep***.		49	15	30	106	29	30	Au		Placer Au	3493, 3818, 4126, 4239
371	05141	Havchuugiin gun jalga	Dep*.		49	15	00	106	30	00	Au		Placer Au	4634
372	160	Ikh ovoljoo	Dep***.		49	14	35	106	29	30	Au		Placer Au	3818, 4126, 4239
373	00857	Burhant part		Occur.	49	14	30	106	30	40	Au		Paleoplacer Au	4188, 4443
374	159	Burhant	Dep***.		49	14	00	106	31	20	Au		Placer Au	3493, 4126, 4188, 4239
375	161	Sharyn gol	Dep***.		49	13	15	106	31	00	Au		Placer Au	3493, 3818, 3869, 4126, 4188, 4239
376	5139	Khuuraichuluut		Occur.	49	13	45	106	36	00	Au		Placer Au	4634
377	04214	Argahai		Occur.	49	09	40	106	42	30	Au		Placer Au	5157
378	00743	Occurrence №72, 73 /Huitengol/		Occur.	49	17	10	106	42	30	Au		Granitoid related vein Au	1822, 4793
379		Mogoi group (№83,84,85,87,88,89,91)		Occur.	49	49	00	106	47	30	Au	Ag	Granitoid related vein Au	1822
380		Mogoi group (№ 93, 97, 101)		Occur.	49	17	45	106	47	15	Au	Ag	Granitoid related vein Au	1822
381	152	Tsamhag	Dep***.		49	18	00	106	55	10	Au		Placer Au	547,1890, 1971, 2269, 2286, 2939, 2984, 3557, 3688
382	00097	Unnamed (№236)		Occur.	49	19	00	106	52	00	Au	Ag	Granitoid related vein Au	1822

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
383	01843	Sharyn gol group (№1549, 1550)		Occur.	49	15	00	106	51	00	Muscovite		Muscovite pegmatite	1357
384	01844	Sharyn gol group (№45)		Occur.	49	13	00	106	45	00	Muscovite		Muscovite pegmatite	1357
385	00164	Occurrence №2190		Occur.	49	12	00	106	29	00	Au	Ag	Granitoid related vein Au	3493
386	00722, 00726	Sontolgoi group		Occur.	49	12	15	106	31	00	Au		Granitoid related vein Au	4793
387	04207	Occurrence №39 (Kharyamaat orefield)		Occur.	49	09	46	106	33	22	Au		Granitoid related vein Au	5157
388	05145	Sharhotol		Occur.	49	07	00	106	29	00	Au		Placer Au	4634
389	00321	Nariin		Occur.	49	11	30	106	28	00			Placer Au	4634
390		Tarvagamai	Dep.***		49	09	40	106	23	40	Au		Placer Au	4634
391	04209	Ovothotol		Occur.	49	08	15	106	25	00	Au		Placer Au	5157
392	323	Buyant	Dep.***		49	10	00	106	30	00	Au		Placer Au	4634
393	05144	Harmorit	Dep.***		49	09	30	106	29	00	Au		Placer Au	4634
394	04200	Tsagaanchuluut group		Occur.	49	09	00	106	25	30	Au		Granitoid related vein Au	5157
395	04203, 04204	Kharmodot group		Occur.	49	07	11	106	28	13	Au		Granitoid related vein Au	5157
396		Arshaant group		Occur.	49	06	01	106	29	34	Au		Granitoid related vein Au	5157
397	05150	Naran	Dep.***		49	06	30	106	28	00	Au		Placer Au	5157
398		Bagamuhar group (№ 18, 19)		Occur.	49	06	37	106	23	49	Au		Granitoid related vein Au	5157
399	04202	Occurrence № 20		Occur.	49	06	39	106	25	22	Au		Granitoid related vein Au	5157
400	04205	Occurrence № 29		Occur.	49	05	35	106	29	07	Au		Granitoid related vein Au	5157
401	05151	Urtbulag		Occur.	49	05	00	106	29	20	Au		Placer Au	5157
402	04206	Occurrence 44		Occur.	49	04	59	106	30	20	Au		Granitoid related vein Au	5157
403	04208	Nomt (Occurrence 46)		Occur.	49	04	54	106	34	18	Au		Granitoid related vein Au	5157
404	04213	Monart		Occur.	49	02	30	106	17	00	Au		Placer Au	5157
405		Tariat		Occur.	49	06	00	106	22	00	Au		Placer Au	5157
406	04211	Bagamuhar		Occur.	49	05	30	106	23	30	Au		Placer Au	5157
407	04212	Ikhmuhar		Occur.	49	06	00	106	25	30	Au		Placer Au	5157
408	04218	Sevhuul		Occur.	48	53	15	106	21	59	Au		Placer Au	5157
409	04219	Olont		Occur.	48	54	05	106	26	55	Au		Placer Au	5157
410	04121	Nomt		Occur.	49	00	00	106	33	00	Au		Placer Au	5157
411	01849, 04216	Orhiroo		Occur.	49	03	00	106	35	00	Au		Placer Au	489, 5157



0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
412	04217	Teregt		Occur.	49	01	50	106	39	58	Au		Placer Au	5157
413	04122	Darit		Occur.	48	59	00	106	42	00	Au		Placer Au	5157
414	168	Yalbagiin Nariin	Dep.***		49	04	30	106	59	00	Au		Placer Au	547, 2285, 2305, 3621
415	169	Yalbagiin Khoshoot	Dep.*		49	04	00	106	58	20	Au		Placer Au	547, 2285, 2305, 3621
416	167	Yalbagiin Tsagaanuluut	Dep.***		49	03	20	106	56	00	Au		Placer Au	547, 2285, 2305, 3621
417	166	Yalbag	Dep.***		49	03	20	106	59	30	Au		Placer Au	547, 2285, 2305, 3621
418	00057	Shiver gol (upper part)		Occur.	48	58	00	106	52	00	Au		Placer Au	489, 1357, 4443
419	04125	Ustshaazgai		Occur.	48	56	30	106	48	00	Au		Placer Au	5029
420	04124	Saalinch		Occur.	48	55	30	106	47	20	Au		Placer Au	5029
421	01850	Unnamed №241		Occur.	48	54	00	106	43	00	Au		Granitoid related vein Au	1836
422	04123	Sniver gol (lower part)		Occur.	48	51	30	106	41	00	Au		Placer Au	5029
423	00300	Unnamed (Boroo field)		Occur.	48	46	00	106	00	00	Au		Granitoid related vein Au	1837
424	00714	Khavchuugiin hondii		Occur.	48	44	00	106	02	00	Au		Placer Au	4679
425	00054	Zurh (Boroo-42,43)		Occur.	48	46	30	106	02	30	Au		Granitoid related vein Au	1514, 1837
426	00713, 00714	Zurhiin hondii		Occur.	48	45	30	106	03	30	Au		Placer Au	4679
427		Boroo №7	Dep.**		48	47	00	106	04	30	Au	Ag	Granitoid related vein Au	1200, 1837
428		Boroo №11		Occur.	48	46	40	106	05	00	Au	Ag	Granitoid related vein Au	1837
429		Boroo №15		Occur.	48	44	30	106	05	45	Au	Ag	Granitoid related vein Au	1837
430	01854	Nariin khondii		Occur.	48	44	30	106	07	30	Au		Placer Au	873, 1200, 2097
431	01852	Boroo-4a		Occur.	48	45	50	106	09	00	Au	Ag	Granitoid related vein Au	1836, 1837
432		Boroo-4	Dep.**		48	45	45	106	09	30	Au	Ag	Granitoid related vein Au	1200, 1836, 1837
433	199	Ikhtashir	Dep.***		48	44	50	106	11	00	Au		Placer Au	873, 1200, 2097, 4601, 4679
434	015, 016, 017, 018	Boroo	Dep.**		48	44	30	106	09	20	Au	Ag	Granitoid related vein/replacement Au	1200, 1495, 1847, 4096
435		Boroo-8	Dep.**		48	44	20	106	11	00	Au	Ag	Granitoid related vein Au	1200, 1495, 1837
436		Boroo-1	Dep.**		48	43	45	106	12	50	Au	Ag	Granitoid related vein Au	1200, 1836, 1837
437	01855	Nergui khondii	Dep.***		48	43	50	106	10	30	Au		Placer Au	873, 1200, 2097, 4679
438		Vein №34		Occur.	48	42	30	106	10	50	Au	Ag	Granitoid related vein Au	1200, 1495, 1836, 1837
439	014	Tsagaanuluut	Dep.**		48	42	15	106	10	55	Au	Ag	Granitoid related vein Au	1200, 1495, 1837, 1947
440	00712	Tsagaanuluut khondii		Occur.	48	42	20	106	13	00	Au		Placer Au	4679

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
441		Boroo No48		Occur.	48	41	20	106	17	30	Au	Ag	Granitoid related vein Au	1514, 1837
442	05762	Unnamed		Occur.	48	43	00	106	28	00	Au	Ag	Granitoid related vein Au	573, 5270
443	01856	Biluut		Occur.	48	42	00	106	32	00	Au		Placer Au	1357, 1836
444	01853	Biluut, vein №53		Occur.	48	45	00	106	38	00	Au	Ag	Granitoid related vein Au	1357, 1836, 1837
445		Yoroo	Dep.		49	19	30	107	16	15	Au		Placer Au	3142, 4443
446	01858	Khereen		Occur.	49	17	00	107	15	00	Au		Placer Au	2322, 3142, 4443
447	148, 149	Altan -Buural group	Dep.*		49	18	00	107	10	00	Au		Placer Au	547, 2985, 4443
448	145	Ikh altat	Dep.***		49	17	00	107	12	00	Au		Placer Au	547, 1975, 1893, 2266, 2322, 2407
449	146, 150	Ikhajir group	Dep.*		49	15	00	107	11	00	Au		Placer Au	547, 1975, 1893, 2266, 2322, 2407, 2868, 3732, 3872, 4121, 4227
450	147	Bagaajir	Dep.*		49	14	30	107	11	00	Au		Placer Au	2322, 2985
451		Yoroo gol valley (from Armai to Ikh Altat deposit)		Occur.	49	11	00	107	12	00	Au		Placer Au	2322, 4443
452		Yoroo gol valley (from Berleg deposit to Armai )		Occur.	49	08	00	107	09	00	Au		Placer Au	3621, 4443
453	211	Berleg	Dep.***		49	06	20	107	05	45	Au		Placer Au	547, 1975, 1893, 3621, 4443
454	00256	Yalbag group		Occur.	49	05	15	107	00	00	Au		Granitoid related vein Au	2285, 3621, 4443
455		Ovormai		Occur.	49	10	30	107	27	30	Fe		Sedimentary Fe	3939, 4655
456		Unnamed		Occur.	49	10	00	107	17	00	Fe		Sedimentary Fe	1563, 4655
457	00406	Kholboo ovoo		Occur.	48	38	00	102	07	00	Cu		Cu skarn	4396
458	00407	Tsagaangozgor		Occur.	48	39	00	102	12	00	Cu		Granitoid related vein Cu	4396
459	00411	Barchgar		Occur.	48	36	00	102	39	00	Cu		Cu skarn	4396
460	01862	Ulaan del		Occur.	48	35	00	102	25	00	Mountain crystal		Miarolitic and abyssal pegmatite	1438, 2765, 4443
461	00084	Ulaan uul		Occur.	48	32	00	102	30	00	Mountain crystal		Miarolitic and abyssal pegmatite	1438, 4443
462	01863	Unnamed (or Kholboo uul)		Occur.	48	24	00	102	25	00	Graphite		Metamorphic graphite	939, 1314, 2765
463	04692	Tosongiin khooloi		Occur.	48	13	00	102	25	00	Au		Placer Au	4874
464	01864	Ulaan tolgoi		Occur.	48	13	00	102	52	00	Cu		Porphyry Cu-Mo	3004
465	00680	Oyuthonhor		Occur.	48	10	00	102	57	00	Cu		Porphyry Cu-Mo	2765, 4084
466	00362	Tsagaan ovoo		Occur.	48	06	15	102	04	30	Fe		Fe skarn	2283
467	05445	Olziit		Occur.	48	07	00	102	16	00	Fe		Paleoplacer magnetite	1500, 2765

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
468	05446	Ikhbumba		Occur.	48	05	30	102	24	40	Fe		Fe skarn	1500, 2765
469	00403	Occurrence №11		Occur.	48	06	00	102	36	00	Fe		Paleoplacer magnetite	4396
470	00402	Orgonhajuu		Occur.	48	03	00	102	56	00	Zr, REE		Nb-Zr-REE alkaline metasomatites	4396
471	00405	Mogod		Occur.	48	17	00	103	03	00	Zr, REE		Nb-Zr-REE alkaline metasomatites	4396
472	00081	Khoshoot gol		Occur.	48	14	00	103	10	00	Cu		Porphyry Cu-Mo	1500
473	00085	Aguin davaa		Occur.	48	38	00	103	59	00	Cu		Porphyry Cu-Mo	1438
474		Oyut ovoo		Occur.	48	30	00	103	51	30	Cu		Porphyry Cu-Mo	2575, 3988
475	05448	Arteel		Occur.	48	29	30	104	21	00	Fe		Sedimentary Fe	1960, 4443
476	05449	Ovorteel		Occur.	48	26	05	104	19	20	Fe		Fe skarn	1960, 4443
477	01927	Unnamed		Occur.	48	18	36	104	14	48	Asbestos		Serpentine-hosted asbestos	969, 4443
478		Zahtsag		Occur.	48	18	36	104	20	18	Fe		Fe skarn	1433, 3600, 4597
479		Ulaan davaa		Occur.	48	17	50	104	14	40	Fe		Fe skarn	2575, 4597
480		Tsavchir		Occur.	48	16	26	104	13	50	Cu	Fe	Fe skarn	2584, 4597
481	00679	Olziit ovoo		Occur.	48	16	00	104	10	00	Fe	Au	Fe skarn	4084
482		Unnamed group occurrences		Occur.	48	15	35	104	18	45	Au		Granitoid related vein Au	4597
483		Occurrence №13		Occur.	48	14	30	104	08	20	Au	Ag	Granitoid related vein Au	4597
484	00302	Tuul river valley (Drill lines 341-010)		Occur.	48	39	00	104	38	00	Au		Placer Au	4408, 4676
485		Tuul river valley (Drill lines 382 - 410)		Occur.	48	35	00	104	32	30	Au		Placer Au	4408, 4676
486	00156	Zuunhavchuu		Occur.	48	32	07	104	28	35	Au		Placer Au	4676
487	01926	Artamsag	Dep.***		48	30	00	104	31	00	Au		Placer Au	4304, 4676
488		Eastern terras of Tuul river (Drill lines 678 - 632)		Occur.	48	27	00	104	32	30	Au		Placer Au	4408, 4676
489	210	Ondor ereg	Dep.*		48	23	00	104	30	10	Au		Placer Au	4304, 4641
490	00309	Nogoon usny khailaast		Occur.	48	16	00	104	21	00	Au		Placer Au	4707
491	00306	Jalga 40		Occur.	48	15	00	104	19	50	Au		Placer Au	4707
492	00430, 01865	Berh		Occur.	48	32	30	104	36	30	Au		Granitoid related vein/replacement Au	1960, 2097, 4408
493	00301	Ar khondii		Occur.	48	30	50	104	38	10	Au		Placer Au	4676
494	01921	Khailaast gorhiin khondii		Occur.	48	31	00	105	00	00	Au		Placer Au	4304
495	204	Toson poligon	Dep.***		48	27	00	104	33	30	Au		Placer Au	3719, 4408, 4466
496	164	Tuul	Dep.***		48	24	00	104	32	00	Au		Placer Au	3719, 4122

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
497		Bayangol poligon	Dep.***		48	23	30	104	31	20	Au		Placer Au	4408
498		lkh moiruu		Occur.	48	21	00	104	27	00	Au		Placer Au	4408
499	163	Tuul poligon	Dep.***		48	18	00	104	24	00	Au		Placer Au	3719, 4192, 4238
500	00308	Upper part of Tuul river valley		Occur.	48	16	00	104	22	30	Au		Placer Au	4407
501	201	Tuul river terras	Dep.***		48	12	00	104	20	00	Au		Placer Au	4576
502	232	Tuul river terras-2	Dep.***		48	10	30	104	19	30	Au		Placer Au	5269
503	207	Dotluur	Dep.*		48	29	00	104	34	00	Au		Placer Au	4466
504	203	Toson gol	Dep.***		48	27	00	104	35	00	Au		Placer Au	3600, 3719, 4304, 4576
505	202	Urt sair	Dep.*		48	27	00	104	34	00	Au		Placer Au	3600, 3719, 3801, 4576
506	01923	Ogoomor am		Occur.	48	26	00	104	34	00	Au		Placer Au	1960, 3600, 4443
507	01922	Khudag		Occur.	48	25	00	104	42	00	Au		Placer Au	4304
508	165	Tsagaanbulag	Dep.***		48	24	30	104	33	10	Au		Placer Au	3719, 4304
509	212	Ulaanereg	Dep.***		48	24	10	104	33	45	Au		Placer Au	3719, 4304
510	01924	Ailt khondii		Occur.	48	23	20	104	33	00	Au		Placer Au	3600, 4443
511	208	Bayangol	Dep.***		48	22	30	104	32	00	Au		Placer Au	3719, 4122, 4304
512	05170	Guu-10		Occur.	48	21	00	104	31	00	Au		Placer Au	4304
513	200	Khailaast golyn adag	Dep.***		48	21	00	104	30	00	Au		Placer Au	4122, 4597
514	162	Kailaast	Dep.***		48	19	00	104	33	30	Au		Placer Au	3600, 3719, 3737, 3829, 3945
515		Tsagaanchuluut		Occur.	48	17	35	104	34	00	Au		Placer Au	3979
516	00153	Baga khailaast		Occur.	48	19	00	104	30	30	Au		Placer Au	3719
517		Ar naimgan	Dep.***		48	17	00	104	30	20	Au		Placer Au	4443
518	00312	Ar naimgany baruun jalga	Dep.*		48	16	00	104	31	30	Au		Placer Au	4784
519	00151	Dund naimgan		Occur.	48	15	30	104	28	30	Au		Placer Au	3719
520	00152	Baga naimgan		Occur.	48	15	00	104	29	30	Au		Placer Au	3719
521	205	lkh galt	Dep.***		48	14	45	104	21	50	Au		Placer Au	3600, 3719, 4576, 4597
522	206	Jalga-43	Dep.***		48	14	20	104	21	30	Au		Placer Au	4576, 4597
523	00150	Tsagaan galt		Occur.	48	13	00	104	27	00	Au		Placer Au	3719
524	00149	Dund galt		Occur.	48	12	00	104	27	00	Au		Placer Au	4707
525	00311	Oliin am		Occur.	48	11	00	104	21	30	Au		Placer Au	4576, 4597

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
526	209	Jalga 44	Dep.***		48	11	15	104	20	00	Au		Placer Au	4408
527		Occurrence 10		Occur.	48	27	30	104	37	30	Au		Granitoid related vein Au	4408
528	00428	Occurrence (III-4-27)		Occur.	48	24	20	104	44	00	Au		Granitoid related vein Au	4408
529	00427	Occurrence (III-4-29)		Occur.	48	23	45	104	44	00	Au		Granitoid related vein Au	4408
530		Vein 477		Occur.	48	23	00	104	35	00	Au		Regional metamorphism related quartz-(carbonate) vein Au	4971
531		Bayangol		Occur.	48	22	20	104	33	00	Au		Regional metamorphism related quartz-(carbonate) vein Au	4408, 4971
532	00171	Urid bayasgalan		Occur.	48	21	30	104	32	00	Au		Regional metamorphism related quartz-(carbonate) vein Au	3600, 4408, 4971
533		Khoit bayasgalan		Occur.	48	21	15	104	36	40	Au		Regional metamorphism related quartz-(carbonate) vein Au	4408, 4971
534		Vein 225		Occur.	48	20	45	104	39	40	Au		Regional metamorphism related quartz-(carbonate) vein Au	4971
535		Baga khailaast		Occur.	48	19	00	104	29	00	Au		Regional metamorphism related quartz-(carbonate) vein Au	4408, 4706
536	03758	Shargozgor		Occur.	48	18	00	104	29	40	Au		Regional metamorphism related quartz-(carbonate) vein Au	4597, 4706
537		Occurrence №51 (or vein №420 and 416)		Occur.	48	18	10	104	31	40	Au		Regional metamorphism related quartz-(carbonate) vein Au	4408, 4971
538		Vein 488 (or Occurrence №48)		Occur.	48	20	25	104	35	00	Au		Regional metamorphism related quartz-(carbonate) vein Au	4408, 4971
539		Vein 481 (or Occurrence №54)		Occur.	48	19	40	104	35	40	Au		Regional metamorphism related quartz-(carbonate) vein Au	4408, 4971
540		Vein 454 (or Occurrence №52)		Occur.	48	18	40	104	34	20	Au		Regional metamorphism related quartz-(carbonate) vein Au	4408, 4971
541		Manuuhait uul		Occur.	48	19	00	104	36	10	Au		Regional metamorphism related quartz-(carbonate) vein Au	4971
542	03750	Khailaast		Occur.	48	18	03	104	35	07	Au		Regional metamorphism related quartz-(carbonate) vein Au	1960, 3600, 4597, 4706
543	03751-03753	Baruunshand (Veins 55, 56)	Dep.		48	16	50	104	35	00	Au		Regional metamorphism related quartz-(carbonate) vein Au	1960, 3600, 4597, 4706
544	03746-03748, 03754-03756	Arnaimgan		Occur.	48	16	20	104	31	30	Au		Regional metamorphism related quartz-(carbonate) vein Au	1960, 3600, 4597, 4706
545	03743, 03744	Bumbat (veins 118, 117)	Dep.**		48	16	40	104	33	45	Au		Regional metamorphism related quartz-(carbonate) vein Au	3600, 4597, 4706
546	03745, 03749	Jargalant group		Occur.	48	15	45	104	33	20	Au		Regional metamorphism related quartz-(carbonate) vein Au	4597, 4706
547		Stockwork (№80)		Occur.	48	15	20	104	30	30	Au		Regional metamorphism related quartz-(carbonate) vein Au	4597, 4706
548	03759	Bagatsagaan uul group		Occur.	48	14	00	104	30	45	Au	Ag	Regional metamorphism related quartz-(carbonate) vein Au	4597, 4706
549		Occurrence №41 (Vein 155)		Occur.	48	10	20	104	26	00	Au		Regional metamorphism related quartz-(carbonate) vein Au	4597, 4785

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
550	00307	Ovor nariin		Occur.	48	07	00	104	21	00	Au		Placer Au	4707
551	01935	Bichigt khoshuu group		Occur.	48	06	30	104	20	20	Au		Regional metamorphism related quartz-(carbonate) vein Au	3979, 4597, 4785
552	00310	Jalga-48		Occur.	48	06	20	104	21	00	Au		Placer Au	4707
553	00317	Jalga-47		Occur.	48	05	00	104	20	50	Au		Placer Au	4707
554	00316	Jalga-46		Occur.	48	05	00	104	22	20	Au		Placer Au	4707
555		Occurrences №121, 123		Occur.	48	06	45	104	21	40	Au		Regional metamorphism related quartz-(carbonate) vein Au	4597, 4785
556		Nariin gol (Veins 418, 422)	Dep.		48	05	50	104	22	30	Au		Regional metamorphism related quartz-(carbonate) vein Au	4597, 4785
557		Occurrence №141		Occur.	48	06	45	104	25	50	Au		Regional metamorphism related quartz-(carbonate) vein Au	4597, 4785
558		Occurrence №128		Occur.	48	06	15	104	24	55	Au		Regional metamorphism related quartz-(carbonate) vein Au	4597, 4785
559		Occurrence №117		Occur.	48	06	10	104	16	15	Au		Regional metamorphism related quartz-(carbonate) vein Au	4597
560		Occurrence №144		Occur.	48	04	35	104	14	55	Au		Regional metamorphism related quartz-(carbonate) vein Au	4597
561		Occurrence № 96		Occur.	48	04	20	104	12	35	Au		Regional metamorphism related quartz-(carbonate) vein Au	4597
562		Occurrence №101		Occur.	48	01	55	104	12	55	Au		Regional metamorphism related quartz-(carbonate) vein Au	4597
563	01928	Ovor urt		Occur.	48	17	00	104	46	00	Au		Placer Au	4304
564	05394	Zuunchingelt		Occur.	48	15	00	104	44	00	Cu		Granitoid related stockwork Cu	3600, 4443
565	01929	Baruunchingelt		Occur.	48	15	00	104	41	30	Au		Placer Au	4304
566	01930	Sharborjin uul		Occur.	48	13	00	104	41	00	Au		Granitoid related vein Au	3600, 3801
567	01931	Dulaan		Occur.	48	12	00	104	40	00	Au		Placer Au	4304
568	00313	Tsagaanchuluut		Occur.	48	10	20	104	35	20	Au		Placer Au	4707
569	01933	Boodog		Occur.	48	09	00	104	55	00	Au		Placer Au	4304
570		Occurrence №158		Occur.	48	08	20	104	52	20	Au	Ag	Granitoid related vein Au	4597
571	01934	Occurrence №161 (Badrah)		Occur.	48	07	00	104	55	55	Au	Ag	Granitoid related vein Au	3906, 3979, 4597
572	01936	Occurrence №165		Occur.	48	04	00	104	53	25	Au	Ag	Granitoid related vein Au	3979, 3988, 4597
573		Occurrence №164		Occur.	48	03	55	104	52	30	Au	Ag	Granitoid related vein Au	4597
574		Occurrence №168 (Tsagaanchuluut)		Occur.	48	03	10	104	55	30	Au		Granitoid related vein Au	4597
575		Occurrence №167 (Tsagaanchuluut)		Occur.	48	03	05	104	55	05	Au		Granitoid related vein Au	4597
576		Occurrence №169		Occur.	48	03	05	104	58	40	Au		Granitoid related vein Au	4597

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
577		Tsagaanchuluutyn am		Occur.	48	03	30	104	54	00	Au		Placer Au	4597
578	00315	Oortsog		Occur.	48	03	20	104	36	30	Au		Placer Au	4707
579	00314	Ongotsot		Occur.	48	03	00	104	37	30	Au		Placer Au	4707
580	01937	Khujirt		Occur.	48	40	00	105	16	00	Au		Placer Au	4304
581	03979	Tsagaanhad №2		Occur.	48	39	18	105	17	17	Au		Granitoid related vein Au	4788
582	03981	Occurrence №1		Occur.	48	39	03	105	14	15	Au		Granitoid related vein Au	4788
583	00429	Bosgyn khondii		Occur.	48	38	00	105	13	00	Au		Placer Au	4408
584	03980	Occurrence №3		Occur.	48	38	42	105	25	55	Au		Granitoid related vein Au	4788
585	00079	Unnamed		Occur.	48	35	00	105	38	00	Au		Granitoid related vein Au	1517
586	03982	Khudriin ilrel №1		Occur.	48	37	05	105	57	05	Au		Granitoid related vein Au	4788
587		Narantolgoi, vein 24		Occur.	48	35	50	105	57	40	Au		Granitoid related vein Au	1836, 1837, 1896
588	021	Narantolgoi	Dep.		48	34	00	105	56	00	Au	Ag	Granitoid related vein Au	1836, 1837, 1896
589	00061	Body №3		Occur.	48	18	00	105	52	00	Mountain crystal		Miarolitic and abyssal pegmatite	1959
590		Unnamed		Occur.	48	15	00	105	29	00	W		W-Sn veins	1911
591	01866, 01868, 01940	Unnamed group		Occur.	48	14	00	105	11	00	Mountain crystal		Miarolitic and abyssal pegmatite	3741, 3979
592	01872	Unnamed №4		Occur.	48	10	00	105	08	00	Mountain crystal		Miarolitic and abyssal pegmatite	3741, 3979
593	00426	Khargazgor		Occur.	48	12	00	105	11	00	Au		Granitoid related vein Au	4408
594	00425	Unnamed (II-2-3)		Occur.	48	08	00	105	21	00	Au		Granitoid related vein Au	4408
595	03355	Oliin davaa		Occur.	48	12	00	105	32	00	Cu		Porphyry Cu-Mo	4578
596	05267, 05268	Saadag 1,2		Occur.	48	14	00	105	39	00	Au		Granitoid related vein Au	4578
597	01867	Erdenetsog ovoo		Occur.	48	12	40	105	41	40	Au		Granitoid related vein Au	1911, 2097, 4578
598	03362, 03363	Erdenetogtoi group		Occur.	48	12	00	105	41	00	Au		Granitoid related vein Au	4578
599	03364	Khaliugchin group		Occur.	48	11	00	105	38	00	Au		Granitoid related vein Au	4578
600	05266, 05271	Tsagaanchuluut -Del uul group		Occur.	48	11	00	105	44	00	Au		Granitoid related vein Au	4578
601	05269	Ulaangozgor		Occur.	48	09	00	105	41	00	Au		Granitoid related vein Au	1911, 2097
602	03366, 05270	Nanid -Borolzoi group		Occur.	48	06	00	105	38	00	Au		Granitoid related vein Au	4578
603	03365	Borolzoi		Occur.	48	06	00	105	34	00	Au		Placer Au	4578

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
604	03360, 03361, 05241	Khadyn group		Occur.	48	04	00	105	35	00	Au		Placer Au	4578
605		Khadat		Occur.	48	02	50	105	36	00	Cu, Au	Ag	Porphyry Au-Cu	1656, 1911, 4578
606		Ulaanhad		Occur.	48	03	30	105	45	37	Au		Granitoid related vein Au	1911, 2097
607	05450	Occurrence №42		Occur.	48	01	00	105	42	00	Fe	Mn	Sedimentary Fe(Mn)	1911
608	03357	Khuren ondor		Occur.	48	00	00	105	49	00	Fe	Mn	Sedimentary Fe(Mn)	4578
609	03359	Oliin davaa		Occur.	48	01	00	105	53	00	Fe	Mn	Sedimentary Fe(Mn)	4578
610	03358	Occurrence №28		Occur.	48	01	00	105	56	00	Fe	Mn	Sedimentary Fe(Mn)	4578
611		Dood sairyn am		Occur.	48	39	00	106	16	30	Au		Placer Au	4859
612		Occurrence №64		Occur.	48	38	30	106	25	20	Au		Granitoid related vein Au	4859
613	00024	Dahashi		Occur.	48	40	00	106	22	00	Au		Granitoid related vein Au	1629, 1936, 4859
614	03990	Occurrence №58		Occur.	48	36	44	106	09	35	Au		Granitoid related vein Au	4859
615	320	Khohbiluut	Dep.***		48	39	30	106	33	20	Au		Placer Au	4634, 4859
616	05761	Vein 51 (Zuunmod)		Occur.	48	39	30	106	35	20	Au		Granitoid related vein Au	1357, 1836, 4859
617	05758	Urt davaa	Dep.*		48	38	50	106	32	30	Au		Granitoid related vein Au	1357,1517, 1629
618		Zuunmodny am		Occur.	48	37	50	106	31	00	Au		Placer Au	4906, 4859
619	019	Ereen	Dep.**		48	37	10	106	31	30	Au	Ag	Granitoid related vein Au	1357, 1517, 1836
620	03512	Ereenii am		Occur.	48	38	06	106	27	30	Au		Placer Au	4906, 4859
621	05760	Baavgait	Dep.*		48	37	05	106	29	45	Au		Granitoid related vein Au	489, 1357, 1517, 1836
622	03516	Baavgaityn am		Occur.	48	37	04	106	27	00	Au		Placer Au	4859, 4906
623		Bayangolyn am		Occur.	48	36	00	106	28	00	Au		Placer Au	4859
624		Arangatyn am		Occur.	48	34	00	106	25	00	Au		Placer Au	4859
625		Buurlyn am		Occur.	48	33	40	106	23	00	Au		Placer Au	4859
626		Vein 29		Occur.	48	32	37	106	22	30	Au		Granitoid related vein Au	4859
627		Kharganatyn am		Occur.	48	32	15	106	23	30	Au		Placer Au	4859
628		Vein 8a, 8b		Occur.	48	32	30	106	24	35	Au		Granitoid related vein Au	1836, 4859
629		Vein 10		Occur.	48	32	25	106	24	25	Au		Granitoid related vein Au	1836, 4859
630		Vein 9		Occur.	48	32	30	106	24	30	Au	Ag	Granitoid related vein Au	4859, 4859
631		Occurrence №81		Occur.	48	32	05	106	24	40	Au		Granitoid related vein Au	4859
632		Vein 4		Occur.	48	31	55	106	25	00	Au		Granitoid related vein Au	4859



0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
633	020	Khargana		Occur.	48	32	00	106	25	00	Au	Ag	Granitoid related vein Au	45, 1517, 1629, 1836
634	013	Sujigtei	Dep.**		48	34	20	106	31	00	Au	Ag	Granitoid related vein/stockwork Au	1629, 1846
635	05232	Sujigtiin am		Occur.	48	33	30	106	29	30	Au		Placer Au	4640, 4859
636	05296, 05149	Gatsuurt	Dep.***		48	37	40	106	36	30	Au		Placer Au	4640
637	326,05	Natstynam (Narst)		Occur.	48	37	30	106	32	30	Au		Placer Au	4640, 4859
638	00327	Khustyn am		Occur.	48	36	30	106	32	30	Au		Placer Au	4640, 4859
639	05295	Bulagiin am		Occur.	48	35	52	106	37	00	Au		Placer Au	4640, 4859
640		Balj - upper		Occur.	48	34	00	106	36	00	Au		Placer Au	4859
641	05148	Balj - lower		Occur.	48	36	00	106	42	40	Au		Placer Au	518, 1885, 4859
642	05147	Kharaa		Occur.	48	35	00	106	44	00	Au		Placer Au	4634, 4859
643		Occurrence №101		Occur.	48	30	10	106	31	50	Au		Granitoid related vein Au	2097, 4859
644	05367	Thunhel		Occur.	48	39	00	106	47	00	Hg		Clastic sediment-hosted Hg	2594
645	05355	Balj		Occur.	48	36	00	106	40	00	Hg		Clastic sediment-hosted Hg	2003, 2594
646	05363	Muhar bulag		Occur.	48	29	00	106	43	00	Hg		Clastic sediment-hosted Hg	2594
647	03514	Jalga-3		Occur.	48	21	48	106	09	50	Au		Placer Au	4297
648	03515	Nergui jalga		Occur.	48	21	22	106	09	37	Au		Placer Au	4297
649		Borhujiriin gol		Occur.	48	21	30	106	11	20	Au		Placer Au	4297
650		Baatar (Bayantsagaan)		Occur.	48	20	40	106	09	50	Au		Granitoid related vein/replacement Au	4297
651	05756	Baruunmuhar gol		Occur.	48	20	00	106	10	00	Au		Granitoid related vein Au	1885, 1886, 4297
652	05754	Baruunmuhar		Occur.	48	18	00	106	05	00	Au		Granitoid related vein Au	4297
653		Khomtoi uul		Occur.	48	15	35	106	02	32	Au		Granitoid related vein Au	4297
654		Shaihan		Occur.	48	22	00	106	13	00	W, Be, Sn	Ta, Nb	W-Sn veins	4297
655	05358	Baruunmuhar bulag		Occur.	48	20	00	106	08	00	W		W-Sn veins	4297
656	01876	Guna		Occur.	48	13	00	106	06	00	Mountain crystal		Miarolitic and abyssal pegmatite	1569
657	012	Tsagaandavaa	Dep.**		48	11	00	106	06	00	W	Sn	W-Sn veins	886, 1918, 2023
658	05356	Maihant		Occur.	48	11	00	106	04	00	W	Sn	W-Sn veins	4297
659	05360	Guna group		Occur.	48	10	00	106	05	00	W	Sn	W-Sn veins	1886, 4297
660	05359	Adgiin №22		Occur.	48	08	00	106	05	00	W	Sn	W-Sn veins	4297
661	05361	Body		Occur.	48	06	00	106	01	00	W		W-Sn veins	4297

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
662	05352	Jirem		Occur.	48	01	00	106	04	00	Sn		W-Sn veins	4297
663	01878	Occurrence №2		Occur.	48	10	00	106	16	00	Mountain crystal		Miarolitic and abyssal pegmatite	4297
664	01879	Occurrence №3		Occur.	48	10	00	106	17	00	Mountain crystal		Miarolitic and abyssal pegmatite	4297
665	01880	Tohom		Occur.	48	08	00	106	13	00	Mountain crystal		Miarolitic and abyssal pegmatite	4297
666		Del uul		Occur.	48	09	20	106	17	00	W		W-Sn veins	4297
667	05443	Bulagt		Occur.	48	08	00	106	08	00	Fe		Sedimentary Fe(Mn)	4297
668		Khuj uul		Occur.	48	08	00	106	16	04	Fe	Mn	Sedimentary Fe(Mn)	4297
669	05444	Shinebulag		Occur.	48	03	00	106	07	00	Fe		Sedimentary Fe(Mn)	4297
670	05453	Unnamed		Occur.	48	00	00	106	07	00	Fe		Sedimentary Fe(Mn)	4297
671	05353	Soninhangai		Occur.	48	02	00	106	10	00	Sn		W-Sn veins	4297
672		Khabtsgait		Occur.	48	03	33	106	18	33	W		W-Sn veins	4297
673	05395	Khairthaan		Occur.	48	02	00	106	20	00	Cu		Cu skarn	4297
674	00194	Bulagt gol		Occur.	48	01	00	106	21	00	Fe		Sedimentary Fe(Mn)	3988, 4297
675	05396	Khets uul		Occur.	48	00	00	106	22	00	Cu		Cu skarn	4297
676	05397	khetsiin am		Occur.	48	00	00	106	25	00	Cu		Cu skarn	4297
677	05460	Occurrence №1677		Occur.	48	03	00	106	31	00	Fe		Sedimentary Fe(Mn)	575
678	05451	Sognogor gol		Occur.	48	24	00	106	54	00	Fe		Sedimentary Fe(Mn)	1885
679	05452	Unnamed		Occur.	48	15	00	106	46	00	Fe		Sedimentary Fe(Mn)	1885
680	01883	Selbe		Occur.	48	03	00	106	53	00	Au		Granitoid related vein Au	442
681	05459	Olgii		Occur.	48	37	00	107	05	00	Fe		Sedimentary Fe(Mn)	942
682	05455	Khoh modny khoit saridag		Occur.	48	28	00	107	15	00	Fe		Sedimentary Fe(Mn)	942
683	05454	Sognogor		Occur.	48	27	00	107	05	00	Fe		Sedimentary Fe(Mn)	942
684	05368	Unnamed		Occur.	48	11	00	107	42	00	Be		Be pegmatite	78
685	669, 956,	Zuunbauan ore field	Dep.*		48	08	30	107	40	00	Mountain crystal	Topaz, citrine, K-feldspar, morion	Miarolitic and abyssal pegmatite	965, 1474, 1519, 1568, 1618, 1698, 3595

Explanation: \*\*\*- Deposits in operation; \*\*- Deposits mined out, but there is small amount of reserves; \*- Deposits mined out; \*- Occurrences with small ancient openpits on surface.

**Mineral Deposits and Occurrences in the Sheet M-48**  
(Fuel Resources, Gemstones, Silica Resources, Continental Lake Evaporates,  
Mineral Pigments, Rocks for Construction Uses)

1:200000 scale Sheet	No	Number in M-48	Passport number	Deposit and occurrence name	Dep	Occur	Location						Major Resources	Minor Resources	Mineral Resources Group	Information Sources (Open File Report number in GIC)
							Latitude			Longitude						
							deg	min	sek	deg	min	sek				
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
VII	1	686	01801	Uilgan /Zuen gegeetiin am gol/		occur	50	55	30	102	05	00	Nephrite	tremolite	Gemstones	3710, 4443
XIII	2	687	04634	Zad burgaltain belchir		occur	50	16	50	102	01	30	Sand		Rocks for Construction Uses	5170
	3	688	04561	Tsahir uul		occur	50	16	30	102	34	10	Limestone (for lime)		Rocks for Construction Uses	4862
	4	689	04633	Khonit uul		occur	50	14	38	102	03	30	Stone, Decorative /serpentine/		Rocks for Construction Uses	5170
	5	690	04635	Elst khaihan		occur	50	08	50	102	03	00	Sand		Rocks for Construction Uses	4862, 5170
	6	691	04554	Shar chuluut uul		occur	50	06	30	102	10	30	Stone, Decorative /granite/		Rocks for Construction Uses	4862, 5170
XV	7	692	02001	Ulaan owoo	Dep***		50	19	00	104	55	00	Hard coal		Fuel Resources	3150, 4847, 4041, 4443, 5170
XVI	8	693		Occurrence №89		occur	50	23	40	105	40	30	Sand		Rocks for Construction Uses	5031
	9	694		Occurrence №52		occur	50	21	00	105	01	00	Stone Crushed /basalt/		Rocks for Construction Uses	5031
	10	695		Occurrence № 53		occur*	50	21	20	105	04	00	Gravel		Rocks for Construction Uses	5031
	11	696		Occurrence №160		occur	50	16	10	105	33	00	Limestone (for lime)		Rocks for Construction Uses	5031
XVII	12	697		Altanbulag		occur	50	19	00	106	35	00	Sand and gravel		Rocks for Construction Uses	1601, 4443
	13	698	718	Altanbulag-1 /Urd zuun uchastok/	Dep		50	17	00	106	36	00	Clay		Rocks for Construction Uses	1601, 3162, 4443
	14	699		Unnamed		occur	50	16	30	106	38	30	Sand /cement/		Rocks for Construction Uses	1884, 4443

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
XVII	15	700	713	Shaamar	Dep		50	08	00	106	15	00	Sand and gravel		Rocks for Construction Uses	3679
	16	701		Unnamed		occur	50	01	00	106	35	00	Sand		Rocks for Construction Uses	1884, 4443
XIX	17	702	00124	Tsagaan baits		occur	49	58	00	102	02	00	Stone, Decorative /marble/		Rocks for Construction Uses	3490
	18	703		Teshig /Occurrence №9/		occur*	49	58	40	102	38	15	Limestone (for lime)		Rocks for Construction Uses	2982, 4443
	19	704		Occurrence №17		occur	49	46	00	102	00	45	Stone, Decorative /marbled limestone/		Rocks for Construction Uses	2982, 4443
	20	705	01036 01807	Airhan nuur	Dep		49	37	54	102	39	00	Sodium Sulfate Resources		Continental Lake Evaporates	2982, 2160, 4041, 4443
	21	706	01808	Teel	Dep		49	32	00	102	22	00	Clay		Rocks for Construction Uses	4319
XX	22	707	05436	Inget tolgoi		occur	49	27	25	103	57	38	Brown coal		Fuel Resuorces	3823, 4443
XXI	23	708	00241	Perevalnii		occur	49	59	00	104	56	00	Lazulite		Gemstones	4041, 4443
XXII	24	709	05435	Belenbulag		occur	49	55	00	105	15	00	Brown coal		Fuel Resuorces	3617, 4443
	25	710		Unnamed-7		occur	49	49	00	105	15	00	Sand /cement/		Rocks for Construction Uses	1913, 4443
	26	711		Unnamed		occur	49	44	00	105	58	00	Clay		Rocks for Construction Uses	1546, 4443
	27	712		Enh tal	Dep		49	40	39	105	57	20	Sand		Rocks for Construction Uses	4952, 5198
	28	713	712	Darhan	Dep***		49	31	48	105	54	51	Sand and gravel		Rocks for Construction Uses	2331, 5198
	29	714	686	Shine /Novye/	Dep		49	30	45	105	56	20	Sand		Rocks for Construction Uses	3258, 5198
	30	715	711	Darhan	Dep		49	29	49	105	55	23	Loam		Rocks for Construction Uses	1441, 2282, 5198
	31	716		Unnamed-37		occur*	49	29	30	105	02	30	Colored clay pegments		Mineral Pigments	1913, 4443
	32	717	888	Darhan	Dep***		49	28	00	105	53	00	Stone, Grusned /andesite porhyry/		Rocks for Construction Uses	2521, 5198
	33	718	732	Darhan /uchastok-2/	Dep***		49	25	23	105	57	50	Sand		Rocks for Construction Uses	1475, 1733, 3500
	34	719	739 889	Tsahiurt	Dep***		49	22	10	105	49	36	Stone, Grusned /granite/		Rocks for Construction Uses	2148, 5198, 4937

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
XXII	35	720	687	Saihan	Dep***		49	22	11	105	52	16	Sand		Rocks for Construction Uses	2370, 5198
	36	721	702	Buuralt	Dep***		49	21	47	105	54	22	Mineral Wool Resources /dolomite/		Rocks for Construction Uses	1431, 5198
	37	722	700	Amgalan tolgoi	Dep		49	20	44	105	54	34	Mineral Wool Resources /diorite/		Rocks for Construction Uses	2103, 5198
XXIII	38	723	733	Eroe	Dep		49	55	00	106	10	00	Sand and gravel		Rocks for Construction Uses	1864
	39	724	04134	Eroe gol /Eroe gol-1/		occur	49	47	00	106	30	00	Sand		Rocks for Construction Uses	1884, 4443
	40	725		Unnamed		occur*	49	43	00	106	42	00	Limestone (for lime)		Rocks for Construction Uses	1884, 4443
	41	726		Ih buuragchin uchastok/ /khoid		occur	49	42	42	106	39	35	Stone, Decorative /limestone/		Rocks for Construction Uses	1884, 4443, 5065
	42	727		Baga buuragchin /urd uchastok/		occur	49	40	30	106	39	30	Stone, Decorative /limestone/		Rocks for Construction Uses	1884, 4443, 5065
	43	728	04135	Eroe gol-II		occur	49	40	20	106	14	45	Sand		Rocks for Construction Uses	5065
	44	729	04131	Oyut		occur	49	38	45	106	29	00	Stone Crushed /limestone/	/marble/	Rocks for Construction Uses	5065
	45	730		Eroe sum		occur	49	40	00	106	39	00	Gravel		Rocks for Construction Uses	1884, 4443
	46	731	04136	Tosoh uul		occur	49	33	25	106	30	20	Stone Crushed /marble/		Rocks for Construction Uses	5065
	47	732		Occurrence №2		occur	49	29	50	106	14	10	Sand		Rocks for Construction Uses	4793
	48	733		Darhan II and III	Dep***			49	29	30	106	01	15	Limestone /cement/		Rocks for Construction Uses
XXIV	49	734	02000	Tsogtuin gol /Tsogt/	Dep		49	50	00	107	43	00	Brown coal		Fuel Resources	1884, 3211 4443
	50	735		Unnamed		occur*	49	40	30	107	17	00	Limestone (for lime)		Rocks for Construction Uses	1884, 4443
XXV	51	736	01916	Tsahiur uul		occur	49	11	40	102	00	20	Perlite		Rocks for Construction Uses	1500, 2043, 1543, 4443
	52	737	01917	Togoo uul /Buerheer togoo/		occur	48	59	43	102	44	40	Volcanic cinders		Rocks for Construction Uses	1500, 1543, 2043, 4443, 1900
	53	738		Khoid havchuu №43		occur	48	53	55	102	40	50	Stone, Decorative /rpyodacite-porhyry/		Rocks for Construction Uses	4403

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
XXV	54	739	00415	Bueleeh bulag		occur	48	53	20	102	52	30	Hard coal		Fuel Resuorces	4403
	55	740		Sharhad 1		occur	48	51	15	102	54	35	Jasper		Gemstones	4403
	56	741		Ereen	Dep		48	50	00	102	26	30	Hard coal		Fuel Resuorces	2546
	57	742	02045	Saihan ovoo	Dep***		48	48	10	102	25	20	Hard coal		Fuel Resuorces	1500, 1438, 2151, 2923, 4403, 4375
	58	743		Homgon		occur	48	48	20	102	48	25	Clayl /ceramsite/		Rocks for Construction Uses	4403
	59	744		Aguit		occur	48	47	40	102	55	10	Stone, Decorative /rpyodacite-porhyry/		Rocks for Construction Uses	4403
	60	745		Boerin		occur	48	46	40	102	37	40	Volcanic cinders		Rocks for Construction Uses	4403
	61	746	00414	Urd nomgon		occur	48	45	50	102	49	30	Volcanic cinders		Rocks for Construction Uses	4403
	62	747		Saadagt		occur	48	44	40	102	31	40	Volcanic cinders		Rocks for Construction Uses	4403
	63	748		Onuin sair		occur*	48	41	30	102	27	50	Limestone (for lime)	Ophicalcite	Rocks for Construction Uses	4403
64	749		Khuerdet ulaan		occur	48	41	10	102	44	45	Volcanic cinders		Rocks for Construction Uses	4403	
XXVI	65	750		Khargana gol		occur	49	08	30	103	03	45	Hard coal		Fuel Resuorces	1000
	66	751	01822	Ih zaluugiin ovoo		occur	49	02	00	103	55	00	Stone Crushed /basalt/		Rocks for Construction Uses	4251
	67	752		Altat gol		occur	49	01	45	103	03	45	Hard coal		Fuel Resuorces	1000
	68	753	892	Khaituin ovoo /Erdenet/	Dep		48	57	19	103	57	47	Mineral Wool Resources /basalt/		Rocks for Construction Uses	3685, 4443, 5198
	69	754	734	Baga zaluugiin ovoo	Dep		48	57	20	103	59	00	Stone, Grusned /basalt/		Rocks for Construction Uses	4251, 5198
	70	755	890	Khueren bulag	Dep***		48	57	20	103	11	30	Volcanic cinders		Rocks for Construction Uses	1920, 4443
	71	756		Khueren tolgoi		occur	48	51	40	103	03	50	Volcanic cinders		Rocks for Construction Uses	4403
	72	757		Baga azarga		occur	48	51	40	103	07	30	Stone, Decorative /rpyodacite-porhyry/		Rocks for Construction Uses	4403
	73	758	00078	Bayan zuerh		occur	48	49	40	103	09	25	Volcanic cinders		Rocks for Construction Uses	1543, 4403

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
XXVI	74	759		Khushit		occur	48	48	50	103	13	15	Volcanic cinders		Rocks for Construction Uses	4403
	75	760		Ulaanhadat		occur	48	48	35	103	16	05	Jasper		Gemstones	4403
	76	761	01920	Khoroo ovoony sair		occur	48	48	25	103	34	20	Chrysoptase		Gemstones	1863, 4443
	77	762	707	Burdiin gol I,II	Dep		48	50	00	103	45	00	Clay		Rocks for Construction Uses	1811, 3124, 4443,
	78	763		Khashaat oendor uul		occur	48	47	10	103	09	15	Stone, Decorative /pyodacite-porhyry/		Rocks for Construction Uses	4403
	79	764		Khalzan		occur	48	45	40	103	09	50	Volcanic cinders		Rocks for Construction Uses	4403
	80	765		Biir		occur	48	42	50	103	14	10	Volcanic cinders		Rocks for Construction Uses	4403
	81	866	676	Khaliun	Dep		48	44	00	103	52	45	Limestone (for lime)		Rocks for Construction Uses	1937, 3490
	82	767	00154	Khujiir bulan		occur	48	43	00	103	39	00	Sand and gravel		Rocks for Construction Uses	3236
	83	768		Bulgan		occur*	48	42	47	103	45	10	Limestone (cement)		Rocks for Construction Uses	1438, 4443
	84	769	708	Dumvatuin gol /Dundatuin gol/	Dep		48	42	00	103	55	00	Limestone (for lime)		Rocks for Construction Uses	1503, 2035, 4443
	85	770		Zaluugiin gol		occur	48	42	00	103	54	00	Ophicalcite		Gemstones	1863
	86	771	900 726	Bulgan /Unnamed-5/	Dep		48	40	00	103	32	30	Sand and gravel		Rocks for Construction Uses	1438, 1675, 2035
	87	772	701	Orhon	Dep***		48	40	10	103	34	30	Mineral Wool Resources /basalt/		Rocks for Construction Uses	2035, 2535, 4443
XXVII	88	773	614	Asgat II		occur	49	06	00	104	41	00	Stone Crushed /gabbro/		Rocks for Construction Uses	4420
	89	774		Orgstroi	Dep***		49	04	07	104	05	55	Stone, Grused /granodiorite/		Rocks for Construction Uses	3006, 4443, 5198
	90	775	722 01003	Tsagaan chuluut	Dep		49	03	30	104	08	00	Sand and gravel		Rocks for Construction Uses	1937, 4443, 5198
	91	776	893	Deliin hoshuu	Dep**		48	59	02	104	04	55	Stone Crushed /granodiorite/		Rocks for Construction Uses	1992, 4443, 5198

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
XXVII	92	777	891	Khoeh chuluut	Dep		48	57	43	104	05	20	Stone Crushed /liparite/		Rocks for Construction Uses	1937, 4443
	93	778	714	Chingeliin gol	Dep***		48	57	10	104	09	51	Sand and gravel		Rocks for Construction Uses	1992, 4443, 2661, 5198
	94	779	864 01823	Chingeliin gol		occur	48	56	30	104	17	10	Mineral Wool Resources /basalt/		Rocks for Construction Uses	2661, 4443, 5198
	95	780	00757	Shavart	Dep		48	52	00	104	15	00	Clay		Rocks for Construction Uses	1813, 4471
	96	781	02761	Bayantsogt		occur	48	51	00	104	48	00	Stone, Decorative /siltstone/		Rocks for Construction Uses	4548
	97	782	02765	Boer tolgoi		occur	48	49	00	104	57	00	Rhyolite		Gemstones	4548
	98	783	02764	Orhon tuul		occur	48	48	00	104	47	00	Sand and gravel		Rocks for Construction Uses	4548
	99	784		Artsat am	Dep		48	45	20	104	40	30	Mineral Wool Resources /basalt/		Rocks for Construction Uses	3685, 4443, 5198
	100	785	05273	Tuuluin hoendii		occur	48	44	00	104	42	00	Sand and gravel		Rocks for Construction Uses	4615
	101	786	02772	Bulgiin sair		occur	48	42	00	104	44	00	Colored clay pegments		Mineral Pigments	4548
XXVIII	102	787	727	Darhan /uchastok 3/	Dep		49	19	55	105	54	50	Sand		Rocks for Construction Uses	1475, 1733
	103	788		Unnamed		occur	49	15	00	105	11	00	Clay		Rocks for Construction Uses	1883, 4443
	104	789		Salhit	Dep***		49	13	28	105	49	00	Quartzic sand		Silica Resuorces	3591, 5198
	105	790		Harsan shugui		occur*	49	12	20	105	49	00	Sand		Rocks for Construction Uses	4622
	106	791		Tsagaan tolgoi		occur*	49	12	00	105	17	00	Limestone (for lime)		Rocks for Construction Uses	1438
	107	792	731	Tsaidam	Dep**		49	12	02	105	50	22	Sand		Rocks for Construction Uses	902, 4443, 5198
	108	793		Sarchin uul		occur	49	11	30	105	56	30	Limestone (cement)		Rocks for Construction Uses	4622
	109	794		Darhan	Dep		49	09	00	105	55	00	Limestone (for lime)		Rocks for Construction Uses	1441, 5198



0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
XXVIII	110	795		lkh nomgon uul		occur	49	09	00	105	43	45	Stone, Decorative /rhyolite/		Rocks for Construction Uses	4622
	111	796	05089	Togoot uul		occur	49	07	00	105	01	00	Stone, Decorative /gabbro/		Rocks for Construction Uses	4553
	112	797	710	Nomgon	Dep		49	04	30	105	35	50	Clay /cement/		Rocks for Construction Uses	3123, 4443
	113	798	719	Khoetol II /Stohoit uul/	Dep		49	03	32	105	35	06	Limestone (for lime, cement)		Rocks for Construction Uses	2624, 3123, 4622,5198
	114	799	706	khoetol	Dep***		49	03	38	105	36	39	Limestone (for lime, cement)		Rocks for Construction Uses	1510,3123, 4406, 2282, 1610, 5198
	115	800		Kharaa gol		occur	49	03	35	105	52	00	Gravel		Rocks for Construction Uses	4622
	116	801		Sertengiin khoendii		occur	49	02	10	105	35	40	Colored clay pegments		Mineral Pigments	4622
	117	802	02781	Gurtuin hooloi		occur	48	52	00	105	02	00	Clay		Rocks for Construction Uses	4548
	118	803	02786	Baruun del /№114/		occur	48	52	00	105	03	00	Limestone (for lime)		Rocks for Construction Uses	4548
	119	804	745	Khoek hadat	Dep		48	45	10	105	09	20	Limestone (cement)		Rocks for Construction Uses	2624, 4408
120	805	01829	Zoeh		occur	48	42	00	105	34	30	Clay		Rocks for Construction Uses	1517, 4624, 4443	
XXIX	121	806	709	Tsagaan	Dep**		49	16	20	106	21	30	Sand and gravel		Rocks for Construction Uses	1529, 5198
	122	807		Buurt	Dep		49	16	40	106	24	45	Loam		Rocks for Construction Uses	1607, 4443, 5198
	123	808	894	Sharuin gol	Dep		49	14	50	106	24	10	Stone, Grused /gabbro diorite/		Rocks for Construction Uses	1529, 5198
	124	809		Buhuin tolgoi		occur	49	14	58	106	01	42	Limestone (for lime, cement)		Rocks for Construction Uses	1579, 4443, 5198
	125	810	895	Shaazgait	Dep***		49	14	49	106	28	44	Stone, Grused /gabbro, granite/		Rocks for Construction Uses	1529, 5198
	126	811	02046	Sharuin gol	Dep***		49	14	00	106	25	00	Hard coal		Fuel Resuorces	1450, 4847, 4443
	127	812	723	Sharuin gol II	Dep***		49	13	50	106	24	40	Clayl /ceramsite/		Rocks for Construction Uses	3896, 4052, 5198

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
XXIX	128	813	721	Sharuin gol	Dep		49	13	20	106	23	10	Clayl /ceramsite/		Rocks for Construction Uses	2104, 2501, 5198
	129	814		Occurrence №91		occur	49	12	50	106	31	50	Clay		Rocks for Construction Uses	4793
	130	815	717	Bayan gol	Dep		49	10	30	106	22	00	Clay		Rocks for Construction Uses	1607, 4443
	131	816		Bayan gol	Dep		49	09	05	106	20	30	Sand		Rocks for Construction Uses	1529, 1607, 5198
	132	817	741	Baruun haraa	Dep		48	53	11	106	06	19	Sand and gravel		Rocks for Construction Uses	1864, 5198
XXXI	133	818	457	Saihan		occur	48	38	50	102	39	00	Stone Crushed /basalt/		Rocks for Construction Uses	2765
	134	819	456	Orhon		occur	48	26	55	102	35	30	Gravel		Rocks for Construction Uses	2765, 4443
	135	820	459	Asgat gol		occur	48	02	40	102	11	00	Limestone (for lime)		Rocks for Construction Uses	2765, 4443
	136	821	458	Asgat		occur	48	02	45	102	11	35	Stone, Decorative /marble/		Rocks for Construction Uses	2765, 4443
XXXII	137	822	716	Seeriin gol	Dep		48	39	30	103	32	00	Loam		Rocks for Construction Uses	1503, 2035, 4443
	138	823		Unnamed №3		occur	48	36	30	103	34	00	Stone Crushed /basalt/		Rocks for Construction Uses	2575, 4443
	139	824	728	Dalituin nuga	Dep		48	35	00	103	32	00	Sand and gravel		Rocks for Construction Uses	3236, 3499
	140	825	874	Oelziit	Dep		48	34	00	103	33	00	Clay		Rocks for Construction Uses	4475
	141	826	725	Aruin nuga	Dep		48	31	00	103	39	00	Sand and gravel		Rocks for Construction Uses	3236
	142	827	742	Orhon	Dep***		48	31	00	103	38	00	Sand and gravel		Rocks for Construction Uses	3236, 4443
	143	828	05364	Shar nohoit		occur	48	02	00	103	42	00	Chalcedony		Gemstones	1863, 4443
XXXIII	144	829		Unnamed №2		occur	48	39	45	104	03	40	Sand and gravel		Rocks for Construction Uses	2575, 4443
	145	830	05272	Khavtsgait		occur	48	33	20	104	44	00	Clay		Rocks for Construction Uses	4615
	146	831		Aduunchuluun	Dep		48	28	00	104	41	00	Stone, Grusned /diorite/		Rocks for Construction Uses	4615
	147	832	05274	Shar hoev		occur	48	27	00	104	42	00	Clay		Rocks for Construction Uses	4615

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
XXXIII	148	833		Urt sair	Dep		48	26	10	104	38	55	Clay, Loam		Rocks for Construction Uses	4408
	149	834		Tsagaan bulag	Dep		48	23	40	104	40	30	Stone, Grused /diorite/		Rocks for Construction Uses	4408
	150	835	05275	Tsagaan bulag		occur	48	23	00	104	35	00	Clay		Rocks for Construction Uses	4615
	151	836		Khashaat	Dep		48	23	20	104	38	00	Sand and gravel		Rocks for Construction Uses	4408
	152	837	648	Zaamaruin tsaidam nuur /Tsaidam nuur/	Dep		48	14	00	104	58	20	Sodium Sulfate Resources		Continental Lake Evaporates	1960, 4597 4223, 4443
	153	838	04537	Zaamar		occur	48	13	00	104	54	00	Brown coal		Fuel Resuorces	1960, 4443
	154	839	649	Zaamaruin har nuur	Dep		48	12	40	104	54	30	Sodium Sulfate Resources-Epsomite		Continental Lake Evaporates	4223
	55	840	905	Teregtei	Dep		48	08	00	104	54	30	Sand		Rocks for Construction Uses	4615
	156	841	05408	Unnamed №5		occur	48	05	40	104	39	05	Chalcedony		Gemstones	3979, 4443
	157	842		Zaamaruin vein-12	Dep		48	06	00	104	41	00	quartzic vein		Silica Resuorces	3216
	158	843		Unnamed		occur	48	04	00	104	12	00	Stone,Crushed /Limestone/		Rocks for Construction Uses	2575, 4443
	159	844		Occurrence №10		occur	48	03	00	104	28	45	Brown coal		Fuel Resuorces	1939, 4443
	160	845	05399 04595	Occurrence №6 /nariin gol/		occur	48	03	30	104	32	00	Brown coal		Fuel Resuorces	3979, 4443
XXXIV	161	846	01938	Dabst nuur		occur	48	32	18	105	07	50	Sodium Sulfate Resources		Continental Lake Evaporates	4223
	162	847	647	Tseeliin tsaidam nuur	Dep		48	31	30	105	12	00	Sodium Sulfate Resources		Continental Lake Evaporates	4223
	163	848	05265	Shavar tolgoi		occur	48	08	00	105	49	00	Clay		Rocks for Construction Uses	4578
	164	849		Baruun bor uul	Dep*		48	09	20	105	57	20	Aguamarine		Gemstones	3925, 4443
XXXV	165	850	00018	№3		occur	48	32	00	106	04	00	Stone Crushed /granite/		Rocks for Construction Uses	1517
	166	851	01875	Ulaan tolgoi		occur	48	30	00	106	50	00	Colored clay pegments		Mineral Pigments	4355
	167	852	875	Mandal	Dep**		48	24	30	106	43	00	Clay		Rocks for Construction Uses	491, 1884
	168	853	901	Mandal	Dep		48	16	00	106	11	00	Sand and gravel		Rocks for Construction Uses	1864, 5198

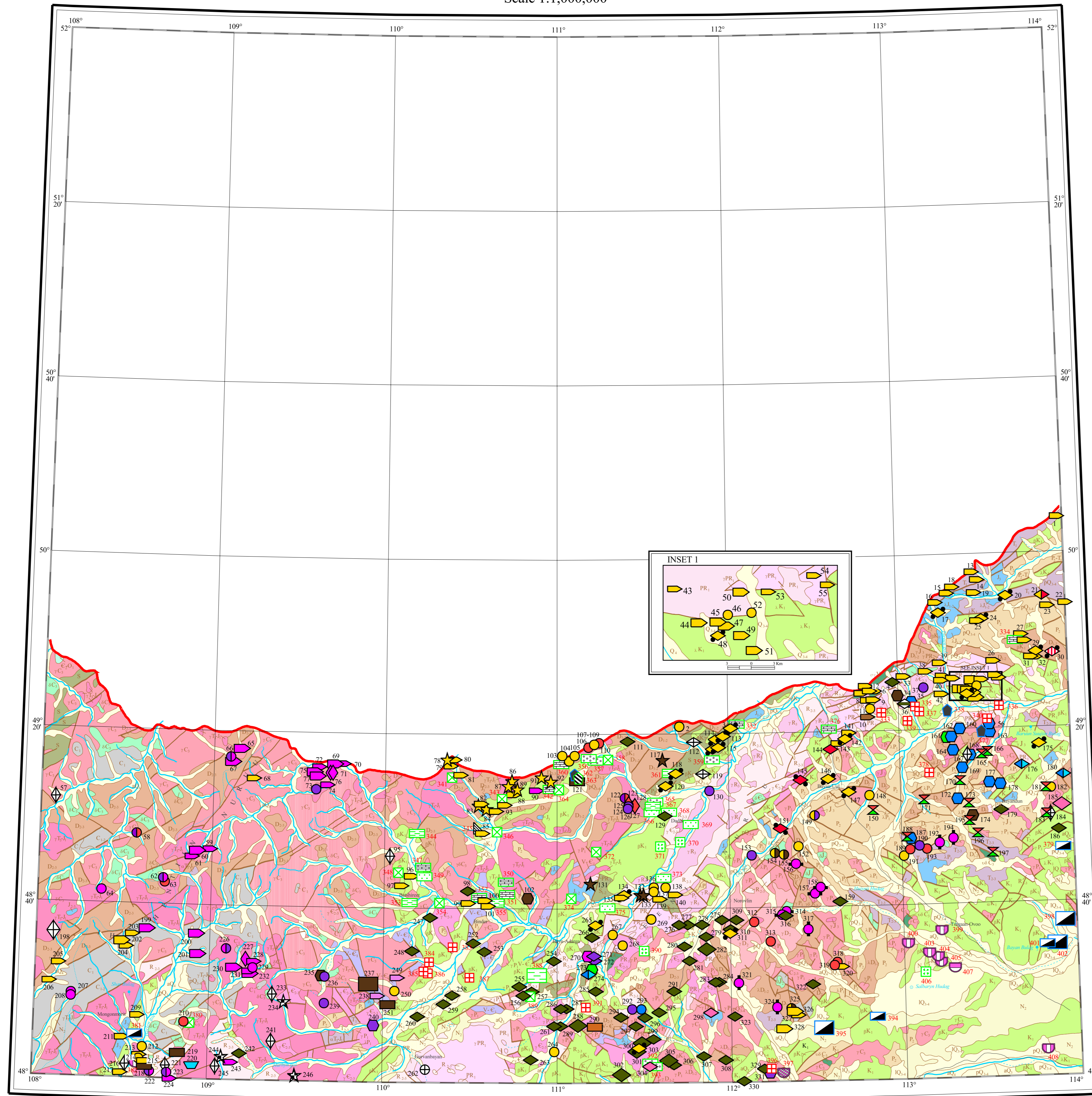
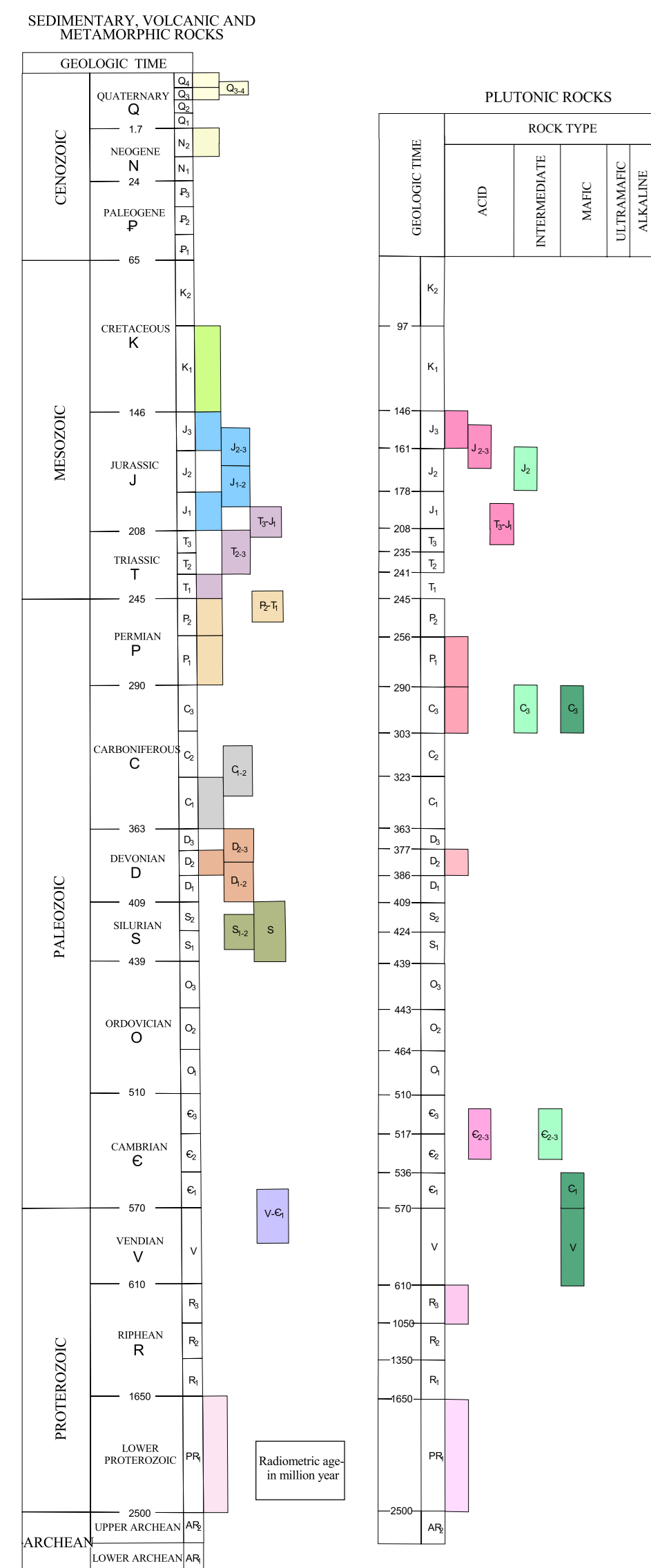
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
XXXV	169	854	01877	Guna		occur*	48	11	50	106	00	30	Loam		Rocks for Construction Uses	4297, 4443
	170	855	05438	Khavtsgaituin gol		occur	48	08	00	106	16	00	Peat		Fuel Resuorces	4297
	171	856	05365	Unnamed		occur	48	03	00	106	05	00	Brown coal		Fuel Resuorces	1885
	172	857	05555	Zamt	Dep*		48	03	00	106	23	00	Stone, Decorative /granite/		Rocks for Construction Uses	1539, 4367, 5198
	173	858	01882	Bayanchandmani		occur*	48	03	00	106	25	00	Stone, Decorative /granite/		Rocks for Construction Uses	3048
	174	859	01884 01881	Khairthan /Ikh bulag/		occur	48	02	00	106	24	00	Stone, Decorative /granite/		Rocks for Construction Uses	4297
XXXVI	175	860	744	Gachuurt gol /Khachir gol/	Dep		48	01	25	107	11	30	Stone Crushed /granite/		Rocks for Construction Uses	442,1539, 1599

Explanation Dep\* - Deposit is exploted  
 Dep\*\* - Deposit has been exploted, but there are estimated Reserves  
 Dep\*\*\* - Deposit is in operation  
 Occur\*\* - Occurrence without estimated reserves, but is exploted from the Surface  
 Passport No: 744 - Deposit passport  
 01884 - occurrence passport

# MINERAL DEPOSITS AND OCCURRENCES OF MONGOLIA

M-49  
Scale 1:1,000,000

## LEGEND FOR GEOLOGY



## LEGEND M-49

### A. Metals, Fluorspar, Zeolite, Barium Minerals, Optical Quartz, Graphite

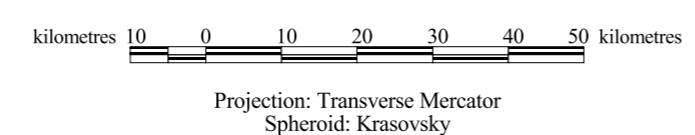
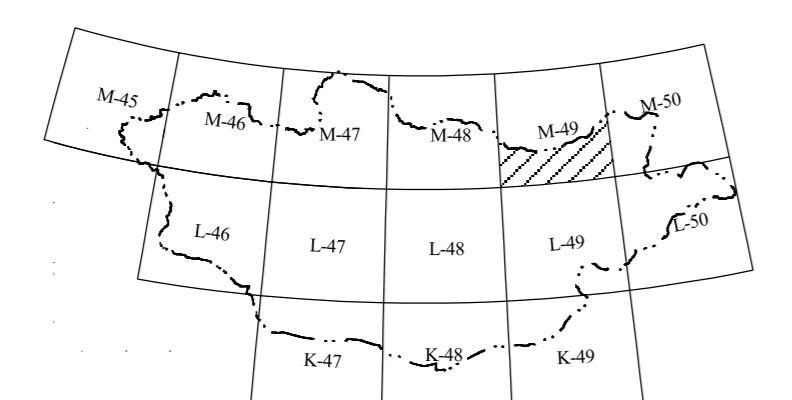
Deposit type	Deposit	Occurrence
<b>1. Deposits related to Subaerial Extrusive Rocks and Dyke Complexes</b>		
1 Epithermal adularia-sericite type Au		◆
2 Clastic sediment-hosted Hg		◆
3 Clastic sediment-hosted Sb		◆
4 Volcanic-hosted Hg		◆
5 Hg-Sb-W vein and stockwork		◆
6 Epithermal vein/replacement fluorite	◆	◆
7 Barite veins	◆	◆
8 Volcanic-hosted breccia/replacement Ag-Pb-Zn(Cd,Ga,Cu,Au)	◆	◆
9 Au -Ag- Sb- As vein/replacements	◆	◆
10 Volcanic-hosted U	◆	◆
11 Volcanic-hosted zeolite	◆	◆
<b>2. Stratiform and Stratabound Deposits in Sedimentary rocks</b>		
12 Sedimentary-exhalative (SEDEX) Pb-Zn	◆	◆
<b>3. Deposits related to Calc-Alkaline and Alkaline Granitic Intrusions</b>		
<b>3.1. Pegmatite, Greisen and Alkaline metasomatic Deposits</b>		
13 Mirolitic and abyssal pegmatite	◆	◆
14 Mo greisen	◆	◆
15 W - Sn greisen	◆	◆
<b>3.2. Skarn deposits</b>		
16 Fe(Cu,Au,W,Sn) skarn	◆	◆
17 Cu(Fe, Au, Ag, Mo) skarn	◆	◆
18 Pb - Zn (Ag, Cu, W, Fe) skarn	◆	◆
19 W (Mo, Fe, Cu) skarn	◆	◆
20 Sn (Fe) skarn	◆	◆

Deposit type	Deposit	Occurrence
<b>3.3. Porphyry and Granitic Pluton-hosted Deposits</b>		
21 Porphyry Cu - Mo (Ag, Re)	◆	◆
<b>3.4. Granitoid Related vein, stockwork, metasomatic deposits</b>		
22 Granitoid related Au	◆	◆
23 Granitoid related Au-W-Mo	◆	◆
24 Granitoid related Au-Fe	◆	◆
25 W(Mo) veins and stockworks	◆	◆
26 Mo(W) veins and stockworks	◆	◆
27 W- Mo veins and stockworks	◆	◆
28 Cassiterite-sulfide veins	◆	◆
29 Cassiterite-silicate veins	◆	◆
30 Sn(W) veins	◆	◆
31 W (Sn) veins	◆	◆
32 W - Sn veins	◆	◆
33 Vein/replacement Pb - Zn	◆	◆
34 Mountain crystal bearing veins	◆	◆
<b>4. Sedimentary Mineral Deposits</b>		
35 Sedimentary Fe (Mn)	◆	◆
36 Sedimentary Mn (Fe)	◆	◆
<b>5. Deposits related to Surficial Process</b>		
37 Banded iron formation (BIF)	◆	◆
38 Quartz - (carbonate) vein Au	◆	◆
39 Metamorphic graphite	◆	◆
<b>6. Deposits related to Surficial Process</b>		
40 Placer Au	◆	◆
41 Placer Sn (W)	◆	◆
42 Placer monacite	◆	◆

### B. Fuel Resources, Gemstones, Continental Lake Evaporates, Mineral Pigments, Minerals and Rocks for Construction Uses

Mineral Resources	Mineral Deposit	Occurrence
<b>1. Fuel Resources</b>		
1 Brown coal	◆	◆
2 Oil shale	◆	◆
<b>2. Gemstones</b>		
3 Pyrope + Chrysolite + Sanidine, Chalcedony + Agate, Jaspir, Malahit, Amethyst, Ophicalcite	◆	◆
<b>3. Continental lake evaporates</b>		
4 Salt or Halite	◆	◆
5 Halite and Sodium Sulfate Resources	◆	◆
6 Sodium Sulfate Resources	◆	◆
<b>4. Mineral Pigments</b>		
7 Pigments, different colored clays	◆	◆
<b>5. Minerals and Rocks for Construction uses: Aggregates, Lightweight Aggregates, Stone, Crushed, Decorative stones, Cement Row Materials Roofing Granules</b>		
8 Bitumen	◆	◆
9 Clays ( Fire clay, common clay, )	◆	◆
10 Sand	◆	◆
11 Sand and gravel	◆	◆
12 Limestone	◆	◆
13 Decorative stones	◆	◆
14 Crushed stones, Building stones, Dimension stones	◆	◆

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Mineral deposits and occurrences compiled from Open File Reports of the Geological Information Center of MRRM, by **Gunchin Dejirmaa** and **Adyagin Evikhuu**  
Digital cartography by Myangaagin Eerdenetseseg; Geological Information Center, MRRM.  
Geology from Geological Map of Mongolia at scale 1:1,000,000 compiled in 1999 by G. Badarch, Ts. Makhbador, D. Onolmaa, P. Khoshyar O. Tomurtogoo; Institute of Geology and Mineral Resources, Academy of Sciences of the Mongolia.  
Printed by Geological Information Center of MRRM in 2001. Ulaanbaatar.

**Metals & Industrial Minerals Deposits & Occurrences in the Sheet M-49**  
*Compiled by Gunchingiin Dejidmaa*

Number in the M-49 sheet	Passport number in GIC	Deposit and occurrence name	Dep.	Occur.	Location						Major commodity	Minor commodity	Deposit type	Data source: Open File Report number in GIC, Mongolia
					Latitude			Longitude						
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1		Ishgent		Occur.	50	08	00	113	58	00	Au		Placer Au	4039
2	04012	Agats		Occur.	49	21	36	111	42	55	Au		Granitoid related Au	1747, 4039, 5005
3	04017	Gozuult gol		Occur.	49	21	05	112	00	45	Au		Epithermal vein Au-Ag	5005
4	05487	Khaliun		Occur.	49	31	00	112	58	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	2345, 4039
5	04073	Upper part of the Ikh khaichiin gol valley		Occur.	49	30	00	112	49	00	Au		Placer Au	4039, 4936, 5014
6	04072	Eastern branch valley of the Ikh khaichiin gol		Occur.	49	29	00	112	51	00	Au		Placer Au	4039, 4936, 5014
7	04071	Western branch of the Ikh khaichiin gol		Occur.	49	28	30	112	47	00	Au		Placer Au	4039, 4936, 5014
8	04070	Eastern Lower branch valley of the Ikh khaichiin gol		Occur.	49	27	00	112	49	00	Au		Placer Au	4039, 4936, 5014
9	04069	Lower eastern brunch of the Ikh khaichiin gol		Occur.	49	27	00	112	51	00	Au		Placer Au	4039, 4936, 5014
10	04068	Eastern upper branch of the Baga khaichiin gol		Occur.	49	23	00	112	49	00	Au		Placer Au	4039, 4936, 5014
11	04076	Ikh khaichiin gol		Occur.	49	25	00	112	50	00	Au		Granitoid related vein Au	1757, 4039, 4936
12	04074	Upper part of the Khaliun river		Occur.	49	29	00	112	50	00	Au		Placer Au	4039, 4936, 5014
13		Khondlon		Occur.	49	55	30	113	27	00	Au		Placer Au	4039
14		Eastern upper branch of the Khondlon		Occur.	49	54	00	113	28	40	Au		Placer Au	4039
15	00220	Ovor bituu		Occur.	49	51	00	113	18	00	Au		Placer Au	4039
16	00221	Doch gol		Occur.	49	49	00	113	14	00	Au		Placer Au	4039
17	04705	Occurrence № 60		Occur.	49	46	30	113	15	00	Au		Epithermal vein Au-Ag	4039
18		Ulaan shoroo		Occur.	49	52	15	113	20	00	Au		Placer Au	4039
19		Khuiten burd		Occur.	49	51	00	113	27	30	Au		Placer Au	4039
20	04706	Occurrence №64		Occur.	49	50	00	113	39	00	Au		Epithermal vein Au-Ag	4039
21	00222	Olon ovoot		Occur.	49	50	00	113	52	00	Au		Epithermal vein/replacement Au-Sb	4039
22		Dund ats		Occur.	49	48	00	114	00	00	Au		Placer Au	4039

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
23		Baruun ats		Occur.	49	47	30	113	53	20	Au		Placer Au	4039
24	04707	Occurrence № 69		Occur.	49	45	00	113	30	00	Au		Epithermal vein Au-Ag	4039
25		Upper branch of the Jargalantyn zuun khooloi		Occur.	49	44	30	113	28	30	Au		Placer Au	4039
26		Khadagtyn shiliin khooloi		Occur.	49	35	20	113	33	40	Au		Placer Au	4039
27		Unnamed		Occur.	49	41	00	113	44	00	Au		Placer Au	4039
28		Khoh ondoriin khooloi		Occur.	49	39	40	113	45	00	Au		Placer Au	4039
29	00223	Delondor		Occur.	49	37	00	113	49	00	Au		Epithermal vein Au-Ag	4039
30	04708	Unnamed, № 111		Occur.	49	37	30	113	55	00	Sb		Clastic sediment-hosted Sb	4039
31		Sumtyn tsagaannuurn khooloi		Occur.	49	36	00	113	47	00	Au		Placer Au	4039
32		Western branch of the Sumtyn tsagaannuurn khooloi		Occur.	49	36	00	113	48	30	Au		Placer Au	4039
33	04075	Berhiin gol		Occur.	49	32	00	113	02	00	Au		Placer Au	4039, 5014
34	05768	Khaliun		Occur.	49	28	00	113	00	00	Fe		Fe skarn	2041, 4039
35	03520	Moilt		Occur.	49	26	23	113	04	51	Pb, Zn		Pb-Zn skarn	4936
36	05494, 04491	Emtiin bulag		Occur.	49	26	00	113	02	00	Barite		Barite veins	2041, 2345, 4039, 4936
37	04062	Jaraahain gol		Occur.	49	29	30	113	09	00	W		W-Mo veins	5014
38	04066	Middle part of the Bayangol		Occur.	49	33	00	113	09	35	Au		Placer Au	4039, 5014
39	04067	Dagshaa		Occur.	49	35	00	113	15	00	Au		Placer Au	4039, 5014
40	219,04	Ovoljoo		Occur.	49	31	00	113	15	30	Au		Placer Au	4039, 5014
41	00218, 04063	Arshaant		Occur.	49	32	00	113	16	00	Au		Placer Au	4039, 5014
42	04064	Western branch of the Turgen		Occur.	49	28	00	113	15	00	Au		Placer Au	4039, 5014
43		Muhar		Occur.	49	31	25	113	19	20	Au		Placer Au	4039, 5014
44		Gun ondoriin bulag	Dep.***		49	29	00	113	22	00	Au		Placer Au	2345, 4039, 4419, 4654
45		Western branch of the Tsagaanchuluut valley	Dep.***		49	29	00	113	24	00	Au		Placer Au	2345, 4039, 4419, 4654
46	00216	Tsagaanchuluut 1		Occur.	49	29	30	113	25	10	Au		Granitoid related vein/replacement Au	1816, 2041, 2345, 4039, 4489
47		Tsagaanchuluut khudag	Dep.***		49	28	40	113	25	00	Au		Placer Au	2041, 2345, 4039, 4419, 4654
48	00217	Tsagaanchuluut khudag 2		Occur.	49	28	00	113	24	00	Au		Epithermal vein Au-Ag	4039, 4489
49		Lhagvasuren	Dep.***		49	28	00	113	26	20	Au		Placer Au	4419, 4654

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
50		Upper part of the Tsagaanchuluut valley	Dep.		49	31	00	113	26	30	Au		Placer Au	2345, 4039, 4419, 4654
51	00221	Lower part of the Tsagaanchuluut valley	Dep.		49	27	00	113	27	45	Au		Placer Au	2345, 4039, 4419, 4654
52		Tsagaanchuluut khooloi		Occur.	49	29	40	113	27	40	Au		Granitoid related vein Au	2345, 4039, 4489
53		Western upper brunch of Sumtyn khooloi valley		Occur.	49	31	00	113	29	20	Au		Placer Au	4039
54		Upper part of the central branch of Jargalantyn baruun khooloi valley		Occur.	49	32	00	113	34	15	Au		Placer Au	4039
55		Upper part of the western branch of Jargalantyn baruun khooloi valley		Occur.	49	31	20	113	35	30	Au		Placer Au	4039
56	02504	Khairhan		Occur.	49	21	00	113	32	00	Pb, Zn		Pb-Zn skarn	3694
57		Deed kumyr		Occur.	49	04	00	108	05	00	Morion		Miarolitic and abyssal pegmatite	571
58	05802	Bagarlig gol		Occur.	48	56	00	108	34	00	W, Mo	Be	W-Mo veins	2093
59	05816	Unnamed		Occur.	48	53	00	108	59	00	Sn		Placer Sn	654
60		Onon	Dep.		48	52	30	108	54	40	Sn	W	Placer Sn	599, 654, 1109
61	05817	Unnamed		Occur.	48	51	00	108	53	00	Sn		Placer Sn	599, 654
62		"Northwestern part", of the Deediluur field		Occur.	48	46	00	108	43	30	W, Sn		W-Sn veins	654
63	05812	Deed uluur		Occur.	48	45	00	108	44	00	Mo	W	W-Mo veins	599, 654, 2093
64	05818	Deed bayan gol		Occur.	48	43	00	108	22	00	Sn		W-Sn veins	571
65		Dood kumyr		Occur.	49	16	00	109	09	00	Sn	W	Placer Sn	1109
66	00601	Deed kumyr		Occur.	49	14	00	109	06	00	Sn	W	Sn-W veins	630, 1109, 2093
67		Deed kumyr	Dep.		49	13	00	109	06	00	Sn	W	Placer Sn	630
68	05786	Dund suhulig		Occur.	49	09	00	109	14	00	Au		Placer Au	665, 804, 1109, 4039
69	13-44	Onon	Dep.		49	13	00	109	42	00	Sn	W	Placer Sn	631
70	00203	Eastern branch Onon-Kusheng		Occur.	49	13	00	109	45	00	Sn		Placer Sn	4039
71	05819	Zilenda		Occur.	49	11	00	109	42	00	Sn		W-Sn greisen	417
72	00189	Zuun Tartsag gol	Dep.		49	12	00	109	37	00	Sn	W	Placer Sn	405, 560, 568, 3103
73	05803	Zuun tarts gol		Occur.	49	07	00	109	36	00	W	Sn, Mo	Sn-W veins	407, 417, 423, 544
74	05820	Innokentyn		Occur.	49	08	00	109	40	00	Sn		Placer Sn	544
75	00183	Tohioldolynbus	Dep.		49	11	00	109	35	00	Sn	W	Placer Sn	405, 560, 568, 3103
76		Tom zilend		Occur.	49	11	00	109	42	00	Sn	W	W-Sn greisen	427, 544
77	00182	Tom zilend	Dep.		49	10	00	109	36	00	Sn	W	Placer Sn	405, 560, 620, 3104



0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
78	03624	Khumuul khavirgyn		Occur.	49	14	00	110	21	30	Au		Regional metamorphism related quartz-(carbonate) vein Au	385, 405, 1816
79		Khavirgyn gol		Occur.	49	12	30	110	23	00	Au		Placer Au	4409
80	04094	Upper part of the Khomol river		Occur.	49	14	00	110	24	00	Au		Placer Au	4409
81		Baruun gorhiin khondii		Occur.	49	10	30	110	26	30	Au		Placer Au	4409
82		Chahal gol		Occur.	49	04	00	110	33	30	Au		Placer Au	4409
83		Khomol gol (Drill line 108)		Occur.	49	03	30	110	32	30	Au		Regional metamorphism related quartz-(carbonate) vein Au	4409
84	05788	Staratelyn		Occur.	49	02	35	110	35	20	Au		Regional metamorphism related quartz-(carbonate) vein Au	385, 405, 1816, 4039, 5019
85	04097	Balj amgalant gol		Occur.	48	57	10	110	34	00	Au		Placer Au	5019
86	00214	Galgahan gol		Occur.	49	09	00	110	44	00	Au		Regional metamorphism related quartz-(carbonate) vein Au	385, 405, 1816, 2345, 4039
87	05787	Galgatai		Occur.	49	08	00	110	43	00	Au		Regional metamorphism related quartz-(carbonate) vein Au	385, 405, 1816, 2345, 4039
88	00500	Galtain gol		Occur.	49	06	00	110	45	00	Au		Placer Au	4409, 5019
89		Unnamed		Occur.	49	07	15	110	46	00	Au		Regional metamorphism related quartz-(carbonate) vein Au	385, 405, 5019
90	00604	Uliastain gol		Occur.	49	07	00	110	53	00	Sn		Placer Sn	4409, 5019
91		Occurrence № 44		Occur.	49	10	00	110	54	30	Au		Regional metamorphism related quartz-(carbonate) vein Au	5019
92	00215	Jivheestei		Occur.	49	09	00	110	58	00	Au		Regional metamorphism related quartz-(carbonate) vein Au	407, 2345, 4039, 5019
93	04096	Seruunii khondii		Occur.	49	02	20	110	38	30	Au		Placer Au	4409, 5019
94	04095	Dund jargalantyn gol		Occur.	49	03	47	110	41	34	Au		Placer Au	4409, 5019
95		Zura		Occur.	48	52	00	110	02	00	Morion		Miarolitic and abyssal pegmatite	577, 1049
96	03478	Yolt gol / 2-d branch)		Occur.	48	47	15	110	09	20	Au		Placer Au	4949
97	00605	Dalyt gol		Occur.	48	45	00	110	06	00	Au		Placer Au	4409, 4949
98	04499, 01370, 04500	Uliastain chuluut uul group		Occur.	48	43	50	110	29	05	CaF <sub>2</sub>	Au?	Epithermal vein/replacement fluorite	4949
99	03480	Zuun muhar		Occur.	48	41	05	110	29	10	Au		Placer Au	4949
100	04092	Bayan-olziit 1		Occur.	48	41	37	110	35	00	Au		Placer Au	4949, 5019
101	00499	Bayan-olziit 2		Occur.	48	40	30	110	35	50	Au		Placer Au	4409, 4949
102	00606	Khonin tolgoi		Occur.	48	42	24	110	50	00	Fe		Fe skarn	4409, 4949
103	00211	Tsagaanchuluut		Occur.	49	15	00	111	02	00	Au		Granitoid related vein Au	4039
104	04011	Tsagaanchuluut 4		Occur.	49	13	50	111	04	10	Au		Granitoid related vein Au	5005

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
105	00212	Kirhum		Occur.	49	15	00	111	06	00	Au		Granitoid related vein Au	4039
106	00497	A part of the rivers Kirhum and Bohhon		Occur.	49	17	00	111	11	00	Mo		W-Mo veins	4409
107	04007	Berh gol		Occur.	49	17	47	111	14	50	Au		Granitoid related vein Au	5005
108	04010	Khurhree nuur		Occur.	49	17	38	111	12	49	Au		Granitoid related vein Au	5005
109	04008	Bohhonii gol		Occur.	49	18	05	111	14	48	Au		Granitoid related vein Au	5005
110	04279	Bohhon		Occur.	49	18	05	111	14	48	Mo		W-Mo veins	5005
111	02036	Toson - 154		Occur.	49	18	15	111	24	40	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	5005
112	03281	Occurrence 119		Occur.	49	18	00	111	48	00	Zeolite		Volcanic-hosted zeolite	5005
113	04016	Nirhruugiin gol		Occur.	49	19	15	111	58	00	Au		Epithermal vein Au-Ag	5005
114	04015	Jivheestein nuruu		Occur.	49	18	40	111	55	40	Au		Epithermal vein Au-Ag	5005
115	04013	Burgastain group		Occur.	49	16	50	111	56	15	Au		Epithermal vein Au-Ag	5005
116	04014	Tumen uul		Occur.	49	16	30	111	54	50	Au		Epithermal vein Au-Ag	5005
117	00432	Chandmani ikh tenuun		Occur.	49	14	00	111	37	00	Fe		Banded iron formation (BIF)	4409, 5005
118	00213	Tenuun gol		Occur.	49	10	45	111	41	30	Au	Ag	Epithermal vein Au-Ag	1757, 4039, 4409, 5005
119	03225	Occurrence 153		Occur.	49	10	50	111	51	10	Zeolite		Volcanic-hosted zeolite	4409, 5005
120		Occurrence 98		Occur.	49	08	00	111	38	00	Au	Ag	Epithermal vein Au-Ag	5005
121	04270, 04269	Tsagaannuur khotgor group (№47, 48)		Occur.	49	09	32	111	07	00	Fe		Sedimentary Fe	4409, 5005
122	04009	Dadalyn soogtei		Occur.	49	05	35	111	24	00	W, Mo		W-Mo veins	5005
123	04272	Occurrence 70		Occur.	49	04	04	111	25	20	Mo	Au, Ag	W-Mo greisen	5005
124	04285	Tsagaan tolgoi		Occur.	49	03	00	111	25	00	W		W-Mo veins	5005
125	04284	The top of 1213,0 m		Occur.	49	03	25	111	25	11	W		W-Mo veins	5005
126	04274	Occurrence № 71		Occur.	49	03	25	111	25	21	W		W-Mo veins	5005
127	04280	Uneg tolgoi		Occur.	49	03	40	111	26	40	W		W-Mo veins	5005
128	04271	Occurrence 68		Occur.	49	03	40	111	26	40	Mo		W-Mo greisen	5005
129		Unnamed		Occur.	49	01	00	111	37	30	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	1757, 2024, 4409
130	00609	Yosh uul		Occur.	49	06	51	111	53	22	W		W-Mo veins	4409
131	00608	Ovor khondlon		Occur.	48	45	37	111	11	48	Fe	Au	Banded iron formation (BIF)	4409
132	00607	Berh uul		Occur.	48	43	05	111	29	12	Fe		Banded iron formation (BIF)	4409
133	00196	Shuusiin gol		Occur.	48	43	00	111	30	00	Fe		Banded iron formation (BIF)	4039

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
134		Baruun khilent uul		Occur.	48	43	00	111	23	00	Au		Epithermal vein Au-Ag	4949
135	03479	Baruun muhar		Occur.	48	42	30	111	22	10	Au		Placer Au	4949
136		Occurrence №110		Occur.	48	44	40	111	33	30	Au		Granitoid related vein Au	1039, 4409
137		Occurrence № 111		Occur.	48	44	00	111	33	30	Au		Granitoid related vein Au	1039, 4409
138		Tsahirchuluut		Occur.	48	44	40	111	37	30	Au		Granitoid related vein Au	1039, 4409
139		Khamhyt (Zamt)		Occur.	48	42	00	111	35	30	Au		Placer Au	4039
140		Shinestei		Occur.	48	43	00	111	41	00	Au		Placer Au	4039
141	03481	Baruunkhujirt		Occur.	49	19	30	112	42	00	Au		Placer Au	4039, 4936, 4948
142	00210	Baruunkhujirtyn gol		Occur.	49	18	00	112	41	00	Au		Epithermal vein Au-Ag	4039, 4936
143	03482	Western branch of the river Bituu gol		Occur.	49	17	00	112	38	30	Au		Placer Au	4039, 4936, 4948
144	04306, 05834	Bat gol		Occur.	49	16	00	112	36	00	Hg		Carbonate-hosted Hg	1757, 2594
145	04305, 05836	Dalai am gol		Occur.	49	09	00	112	25	00	Hg		Volcanic-hosted Hg	1757, 1816, 4039
146	05789	Bayanuul		Occur.	49	09	00	112	35	00	Au		Epithermal vein Au-Ag	4039, 4106
147	05790	Khuren khondii		Occur.	49	06	00	112	42	00	Au		Epithermal vein Au-Ag	4106
148	04168	Khuvtsagaan tolgoi		Occur.	49	05	10	112	48	50	Au		Granitoid related vein Au	5050
149	05804	Bayan ulz		Occur.	49	01	00	112	30	00	Au, W, Mo		Granitoid related stockwork Au-W-Mo	1757, 4039, 4106
150	04166	Khust		Occur.	49	01	40	112	50	30	Cu	Au, Ag, W	Porphyry Cu-Mo	5050
151	04304, 05837	Khotol nuur		Occur.	48	58	00	112	18	00	Hg		Volcanic-hosted Hg	4106
152	05791	Del uul		Occur.	48	54	00	112	24	00	Au		Granitoid related vein Au	4106
153	05805	Zuun delberehei		Occur.	48	52	00	112	08	00	W		W-Mo veins	4106
154	05792	Delberehei bulag		Occur.	48	52	00	112	16	00	Au		Granitoid related stockwork Au-Fe	1757, 4106
155	00209	Baruun delberehei bulag		Occur.	48	52	00	112	19	00	Au		Granitoid related vein Au-Fe	4039
156	05821	Damhai		Occur.	48	50	00	112	23	00	Sn		Cassiterite-silicate veins	4106
157	05823	Narsyn khondlon - south		Occur.	48	43	10	112	29	50	Sn		Cassiterite-sulfide veins	3792, 4004, 4073, 4298
158	05822	Narsyn khondlon		Occur.	48	44	27	112	31	35	Sn		Cassiterite-silicate veins	3792, 4004, 4073, 4298
159	05488	Unnamed		Occur.	48	41	00	112	38	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	448
160	05777	Bayandun -II		Occur.	49	20	00	113	21	15	Zn	Pb	Pb-Zn skarn	3594
161		Oliin ovoo		Occur.	49	18	08	113	17	02	Cu	Zn	Cu skarn	3694

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
162	05779	Bauandun - III		Occur.	49	18	00	113	18	00	Zn	Pb	Pb-Zn skarn	3802
163	05778	Khadan khushuu		Occur.	49	19	00	113	32	00	Zn	Pb, Fe	Pb-Zn skarn	3694
164	03627	Sogoot uul		Occur.	49	15	00	113	19	00	Zn	Cu, Pb	Pb-Zn skarn	3594
165		Urtyn gol		Occur.	49	14	05	113	29	00	Cu, Mo	W, Ag	Porphyry Cu-Mo	3654, 4443
166		Kheseg uul		Occur.	49	14	30	113	31	14	Cu, Mo	W, Ag	Porphyry Cu-Mo	3654, 4443
167		Bayandun		Occur.	49	14	00	113	24	00	Morion		Miarolitic and abyssal pegmatite	1569, 4443
168	05781	Zuun naran		Occur.	49	14	00	113	25	00	Zn	Pb, Cu	Pb-Zn skarn	3654, 3694
169	05782	Bayandun - I		Occur.	49	11	00	113	22	00	Zn	Pb, Cu	Pb-Zn skarn	2041, 3594
170	03626	Sant uul		Occur.	49	08	03	113	21	02	Cu	Pb, Zn	Porphyry Cu-Mo	3694, 4514
171	05839	Ikh gazar		Occur.	49	03	48	113	08	26	Cu	Zn, Pb	Porphyry Cu-Mo	3802
172	05838	Urtyn urt shil		Occur.	49	04	00	113	20	00	Zn, Pb	Fe	Pb-Zn skarn	3694
173	05776, 04334	Temeenchuluut		Occur.	49	03	00	113	24	00	Cu	Zn, Pb, Ag	Porphyry Cu-Mo	3802, 4514
174	05769	Magnetitic		Occur.	49	00	00	113	25	00	Fe		Fe skarn	2024
175		Ugtam		Occur.	49	16	07	113	48	55	Au	Mo	Epithermal vein Au-Ag	2416
176		Tsairyn		Occur.	49	11	20	113	42	30	Ag, Pb, Zn	Au	Epithermal vein Ag-Pb-Zn	2416
177		Skarn №12		Occur.	49	07	30	113	31	20	Zn	Pb, Cu	Pb-Zn skarn	2024
178	05783	Chavganatsyn khonhor		Occur.	49	07	00	113	35	00	Zn	Pb, Zn	Pb-Zn skarn	3694
179	05520	Yargait		Occur.	49	01	00	113	35	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	3694
180	00382	Khoit ulaan		Occur.	49	09	00	113	57	00	Ag, Pb, Zn		Epithermal vein Ag-Pb-Zn	2459
181	05775, 04335	Zesiin		Occur.	49	06	00	113	51	00	Cu		Porphyry Cu-Mo	2024
182	00380	Tsenher		Occur.	49	06	00	113	52	00	Au	Ag, Cu	Granitoid related vein Au	2459
183	00377	Arbulag		Occur.	49	00	00	113	51	00	Cu, Mo	W, Ag	Porphyry Cu-Mo	2459
184		Khoit		Occur.	49	00	00	113	52	00	Morion		Miarolitic and abyssal pegmatite	532
185		Gurvanbulag	Dep.		49	02	00	113	56	00	U	Mo	Volcanic-hosted U	2416, 2430, 5255, 5256, 5259, 5261
186		Buduun bulag		Occur.	48	56	23	113	54	35	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	2430
187	05780	Erdenetolgoi		Occur.	48	55	00	113	03	00	Zn	Cu, Pb	Pb-Zn skarn	3700
188		Occurrence №10		Occur.	48	55	20	113	03	00	Cu	Mo, Zn	Porphyry Cu-Mo	3700, 3694
189	05813	Occurrence №8		Occur.	48	52	45	113	03	00	Mo	W, Au	W-Mo veins and stockworks	3700
190	05806	Occurrence №2		Occur.	48	53	30	113	06	20	W	Au	W-Mo veins and stockworks	3700

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
191		Occurrence №3		Occur.	48	51	00	113	00	30	Au	Zn, Pb	Granitoid related vein Au	3700
192		Occurrence №5		Occur.	48	54	05	113	13	30	Sn	Cu, Pb	Cassiterite-sulfide veins	3700
193	05814	Occurrence №9		Occur.	48	52	40	113	09	00	Mo	W, Au	W-Mo veins and stockworks	3700
194	05824	Occurrence №4		Occur.	48	55	00	113	18	00	Sn	Cu, Pb	Cassiterite-sulfide veins	3700
195		Occurrence №6		Occur.	48	59	00	113	24	00	Cu	Mo	Porphyry Cu-Mo	3700
196	04391	Occurrence №7		Occur.	48	56	00	113	27	00	Cu	Mo	Porphyry Cu-Mo	3700
197	05747	Occurrence №11		Occur.	48	51	20	113	31	45	Cu, Mo	Au	Porphyry Cu-Mo	3700
198		Arts gol	Dep.**		48	33	00	108	06	00	Piezoquartz		Miarolitic and abyssal pegmatite	611, 1621, 2960
199	13-63, 05825	lkh saihan	Dep.**		48	34	20	108	38	20	Sn		Placer Sn	608
200	13-66, 05826	Muhar khondii	Dep.**		48	33	20	108	55	20	Sn		Placer Sn	665
201		Kharaat	Dep.**		48	28	40	108	55	45	Sn		Placer Sn	608
202		Altansuudal	Dep.***		48	31	21	108	29	34	Au		Placer Au	620, 497, 4039
203	00207	Khavtsal gol		Occur.	48	33	00	108	33	00	Au		Placer Au	620
204		Jambyn		Occur.	48	30	00	108	31	00	Au		Placer Au	620, 1314
205	03625	Dulaanhaan		Occur.	48	26	00	108	08	00	Au		Placer Au	4443
206		Tuul		Occur.	48	21	30	108	05	10	Au		Placer Au	497, 620
207		Dulaanhaany davaa		Occur.	48	19	00	108	13	00	Sn		Sn-W veins	620
208		Dulaanhaan		Occur.	48	18	30	108	13	00	Sn		Sn-W veins	620, 2960
209	03987	Olgii uhaa		Occur.	48	14	15	108	35	30	Au		Placer Au	4863
210	03618	Zorgol gol		Occur.	48	13	00	108	52	00	Mo		W-Mo veins and stockworks	588, 1840
211	03988	Baruunburh		Occur.	48	09	08	108	30	30	Au		Placer Au	4863
212	03984	Nomgon uul		Occur.	48	07	00	108	37	30	Au		Granitoid related vein Au	4863
213	03986	Buduunchuluut		Occur.	48	05	00	108	36	45	Au		Placer Au	4863
214	03983	Nomgon tolgoi		Occur.	48	04	20	108	36	30	Au		Granitoid related vein Au	4863
215	03985	Ynomgontolgoi baruun khondii		Occur.	48	03	48	108	38	30	Au		Placer Au	4863
216	05476	Namsrai		Occur.	48	03	00	108	32	00	Morion		Miarolitic and abyssal pegmatite	
217	03989	Khushiin gol		Occur.	48	01	00	108	30	38	Au		Placer Au	4863
218	03617	Bergiin ovoo		Occur.	48	02	45	108	38	30	Fe		Sedimentary Fe	1840
219	03615	lkh gutain gol		Occur.	48	06	00	108	50	00	Fe		Sedimentary Fe	1840, 2513

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
220	03616	Muhar gutai gol		Occur.	48	03	00	108	55	00	Pb, Zn	Cu	Sedimentary-exhalative (SEDEX) Pb-Zn	58, 1840, 2513
221	05473	Yudegiin		Occur.	48	03	00	108	46	00	Piezoquartz		Miarolitic and abyssal pegmatite	1840
222	03620	Yudegiin gol		Occur.	48	01	30	108	40	30	W, Sn		Sn-W veins	588, 1840
223		Dugang gol		Occur.	48	01	20	108	46	30	W, Sn		Sn-W veins	588, 1840
224		Yudegiin gol		Occur.	48	00	00	108	47	20	Sn		Placer Sn	1569
225		Yudegiin group		Occur.	48	02	00	108	55	00	Mountain crystal		Miarolitic and abyssal pegmatite	1569, 1669, 1840
226	03619	Khereet inni		Occur.	48	30	00	109	06	00	W, Sn	Sn	Sn-W veins	427, 545, 1840
227		Bayanondor		Occur.	48	27	45	109	12	50	W	Sn	W-Sn greisen	675, 1840
228		Tuhlyaryn gol		Occur.	48	27	10	109	15	25	Sn		Placer Sn	599
229	05827	Ortsain gol		Occur.	48	26	00	109	15	00	Sn	W	Sn-W veins	1934, 4443
230	13-64, 03740	Tarhat khonhor gol	Dep.		48	25	48	109	08	30	Sn	W	Placer Sn	571, 4443
231	05828	Nirma gol		Occur.	48	25	00	109	14	00	Sn		Placer Sn	564
232	13-65	Nert gol	Dep.		48	24	39	109	14	15	Sn	W	Placer Sn	571
233	05475	Unnamed - 365		Occur.	48	20	00	109	22	00	Morion		Miarolitic and abyssal pegmatite	1840
234	05477	Dundjagalantyn gol		Occur.	48	18	00	109	26	00	Graphite		Metamorphic graphite	574
235	05770	Ar khuruutyn gol		Occur.	48	24	22	109	39	00	Fe		Fe skarn	615
236	03621	Ar khuruut gol		Occur.	48	24	00	109	40	00	W		W-Mo veins	615
237		Navchityn gol	Dep.		48	22	30	109	55	00	Fe		Sedimentary Fe	615
238	05835	Navchin gol		Occur.	48	20	00	109	58	00	REE		Placer monazite	614
239	03623	Narangiin gol		Occur.	48	18	00	109	40	00	W		W-Mo veins	1840
240	05807	Tuvd		Occur.	48	13	00	109	57	00	W, Mo	Mo	W-Mo skarn	3908
241	05474	Mandalyn gol		Occur.	48	09	00	109	22	00	Morion		Miarolitic and abyssal pegmatite	1840
242		Unnamed - 365		Occur.	48	06	00	109	11	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	1840
243	05829	Mondol elgenii gol		Occur.	48	04	00	109	08	00	Sn		Placer Sn	2514
244	05472	Unnamed - 358		Occur.	48	05	00	109	05	00	Graphite		Metamorphic graphite	1840
245		Yudegiin golyn group		Occur.	48	03	00	109	03	00	Mountain crystal		Miarolitic and abyssal pegmatite	1569, 1669, 1840
246	05478	Unnamed - 355		Occur.	48	01	00	109	30	00	Graphite		Metamorphic graphite	574
247		Occurrence - 1255		Occur.	48	37	43	110	16	15	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4144
248	05489	Dund nomgon		Occur.	48	30	00	110	10	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	615, 2796, 4397

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
249		Ar khuruut		Occur.	48	24	00	110	05	00	REE		Placer monazite	152
250	05795	Yol uul		Occur.	48	21	00	110	04	00	Au		Granitoid related vein/replacement Au	4397
251	02505	Delgerondor		Occur.	48	18	00	110	02	00	Fe		Sedimentary Fe	2796
252	05525	Olziit uul		Occur.	48	32	00	110	31	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4397
253	05526	Javhlant uul		Occur.	48	30	00	110	35	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4397
254	00007	Occurrence №3		Occur.	48	28	00	110	59	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4425
255	05490	Buural uul		Occur.	48	22	00	110	47	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	2919
256	05794	Gozgoryn uul		Occur.	48	20	00	110	48	00	Au		Epithermal vein Au-Ag	4397
257		Khuiten gol group		Occur.	48	21	00	110	51	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	3453
258		Unnamed		Occur.	48	20	00	110	24	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	2980
259	05524	Khurhyn gol		Occur.	48	18	00	110	21	00	CaF <sub>2</sub>	Au	Epithermal vein/replacement fluorite	4114, 4397
260	05523	Baraatyn gol		Occur.	48	15	00	110	12	00	CaF <sub>2</sub>	Au	Epithermal vein/replacement fluorite	4114, 4397
261	05522	Baga barchigait		Occur.	48	13	00	110	59	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	2796
262	05513	Bayangol		Occur.	48	03	00	110	15	00	Piez quartz		Mountain crystal bearing veins	1459, 2796
263		Occurrence 463		Occur.	48	05	17	110	50	47	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	428, 2980
264	05793	Khohchuluu		Occur.	48	07	00	110	59	00	Au		Granitoid related Au	2796, 4144
265	05841	Occurrence №148		Occur.	48	36	20	111	13	30	Au		Epithermal vein Au-Ag	4039
266	05844	Dund bulag		Occur.	48	33	25	111	11	46	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	1248, 3754
267	00208	Occurrence 149		Occur.	48	34	00	111	19	00	Au		Granitoid related vein Au	1392, 4039
268	05842	Occurrence №154		Occur.	48	31	30	111	22	30	Au	Bi, Mo	Granitoid related vein Au	4039
269	05843	Occurrence №162		Occur.	48	37	30	111	32	30	Au		Granitoid related vein Au	4039
270	00204	Occurrence №157		Occur.	48	29	00	111	11	00	Sn	W	Sn skarn	4039
271	05808	Ulaantolgoin ovoo		Occur.	48	29	00	111	13	00	W	Sb	Hg-Sb-W vein and stockwork	2919
272	00592	Usan tolgoi		Occur.	48	28	00	111	13	00	Sb	W	Hg-Sb-W vein and stockwork	4039, 4425
273	00009	Occurrence №6		Occur.	48	26	00	111	12	00	Cu		Cu skarn	4425
274	00590	Sharhad - I		Occur.	48	25	00	111	11	00	Ag, Pb, Zn		Epithermal Ag-Pb-Zn	4425
275	05527	Altan khadaas		Occur.	48	37	00	111	57	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	900, 1248, 2980, 3754
276	05528	Khar togoo		Occur.	48	36	00	111	42	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	900, 3453, 3754
277	00197	Occurrence 163		Occur.	48	36	00	111	45	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	1248

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
278	05536	Tsagaan ondor - 1		Occur.	48	36	00	111	50	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	3754
279		Ulz		Occur.	48	33	15	111	51	25	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	1248
280	05466	Bayan ovoo -II		Occur.	48	31	00	111	44	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	1563
281		Unnamed		Occur.	48	27	50	111	45	42	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	3754
282		Khaidelgerhaan	Dep.*		48	30	30	111	51	40	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	3754'
283	05537	Khaidelgerhaan-south II		Occur.	48	23	00	111	55	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	3754
284	05538	Khaidelgerhaan-south - I		Occur.	48	23	00	111	56	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	3754
285	00588	Sharhad		Occur.	48	21	00	111	13	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4425
286	05529	Ikh barchigait		Occur.	48	17	00	111	01	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	3012, 3453, 4425
287	00589	Barchigai		Occur.	48	17	00	111	03	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4425
288		Khulyyn kholboo	Dep.*		48	13	00	111	07	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	1248, 2796, 3012, 3453
289	05467	Talyn ovoo		Occur.	48	13	00	111	01	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	2796
290	05772	Unnamed		Occur.	48	13	00	111	13	00	Mn		Sedimentary Mn	2796
291		Saihan uul		Occur.	48	20	49	111	40	16	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	3754
292	05809	Tsagaanchuluut group		Occur.	48	17	00	111	26	00	W	Mo	W-Mo veins	1845
293	05784	Tsagaanchuluut		Occur.	48	17	00	111	29	00	Pb, Zn	Cu	Pb-Zn veins	3176
294	05530	Saihan khondii group		Occur.	48	15	00	111	22	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	3453, 3754
295	05539	Occurrence 9896		Occur.	48	16	00	111	35	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	3754
296	05540	Occurrence 9970		Occur.	48	15	00	111	30	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	3754
297	05535	Bor khooloji		Occur.	48	13	00	111	27	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	900
298	05486	Mizornoe		Occur.	48	16	00	111	53	00	U		Volcanic-hosted U	1478
299	00004	Ergelzel group		Occur.	48	10	00	111	33	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4425
300		Khavtgai - II	Dep.*		48	09	10	111	29	11	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	1122, 3126
301		Khavtgai - III	Dep.*		48	07	15	111	27	30	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	3754
302		Khavtgai - I	Dep.*		48	02	00	111	22	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	2587
303	00591	Bayanzurh		Occur.	48	08	00	111	28	00	Au	Ag	Epithermal vein Au-Ag	4425, 5268
304	05801	Ikh bulag		Occur.	48	04	00	111	32	00	U		Volcanic-hosted U	1478
305	00608	Shuvuut	Dep.*		48	05	00	111	38	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	2980
306	05534, 05533	Shuvuutyn group		Occur.	48	04	00	111	40	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	2980



0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
307		Urt khargana group		Occur.	48	06	02	111	50	20	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	2980, 3754, 4144
308	05542	Occurrence 6610		Occur.	48	05	00	111	58	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	3754
309	05546	Norovlin		Occur.	48	37	00	112	02	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	3792
310	05544	Ulaanchuluu		Occur.	48	35	00	112	00	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	900, 3453
311	05463, 05796	Tsagaanondor		Occur.	48	34	00	112	00	00	Au		Epithermal vein Au-Ag	3792
312	05815	Unnamed		Occur.	48	36	38	112	08	22	Mo	W, Bi, Ag	W-Mo veins and stockworks	3792
313	05800	Unnamed		Occur.	48	32	00	112	14	00	Mo	W, Bi, Ag	W-Mo veins and stockworks	1757
314	05830	Shalz №1		Occur.	48	39	10	112	19	20	Sn		Cassiterite-silicate veins	3792
315	05833	Shalz №2		Occur.	48	38	29	112	18	12	Sn		Cassiterite-sulfide veins	3792
316	05543	Mogoi (Shalz)		Occur.	48	38	00	112	19	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	3692, 3792, 4144
317		Kholboo ondor		Occur.	48	34	54	112	26	55	Sn	Cu, Ag, Pb	Cassiterite-sulfide veins	3792
318		Shar tolgoi 1		Occur.	48	27	00	112	37	00	Mo		W-Mo veins and stockworks	3792
319		Shar tolgoi 2		Occur.	48	26	30	112	36	00	Mo		W-Mo veins and stockworks	3792
320	05797	Erdene ovoo		Occur.	48	26	00	112	38	00	Au		Placer Au	3792
321	05831	Sonor davaa		Occur.	48	23	00	112	03	00	Sn		Cassiterite-sulfide veins	4073
322	05470	Sharondor		Occur.	48	22	00	112	28	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4073
323	05545, 05468	Ulaan shovh uul		Occur.	48	15	00	112	01	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	2980, 4073
324	05832	Ulaanondor		Occur.	48	17	00	112	16	00	Sn		Cassiterite-sulfide veins	4106
325		Salhit		Occur.	48	16	47	112	20	45	Au		Granitoid related stockwork Au-Fe	4073
326	05798	Salhit	Dep.***		48	16	00	112	22	00	Au		Placer Au	4073, 4751, 5011
327		Burengiin khooloi		Occur.	48	15	00	112	23	00	Au		Placer Au	4073
328	05799	Tohoi khudag	Dep.***		48	12	00	112	18	00	Au		Placer Au	4073
329	05469	Khohondor		Occur.	48	03	00	112	11	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4073
330	05465	Tosongiin ovoo		Occur.	48	00	00	112	04	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4073
331	05811	Khuush		Occur.	48	02	00	112	13	00	W	Mo	W-Mo skarn	4073

Explanation: \*\*\*- Deposits in operation; \*\*- Deposits mined out, but there is small amount of reserves; \*- Deposits mined out; \*- Occurrences with small ancient openpits on surface.

## Mineral Deposits and Occurrences in the Sheet M-49

(Fuel Resources, Gemstones, Continental Lake Evaporates, Mineral Pigments, Rocks for Construction Uses)

1:200000 scale Sheet	No	Number in M-49	Passport number	Deposit and occurrence name	Dep	Occur	Location						Major Resources	Minor Resuorces	Mineral Resources Group	Information Sources (Open File Report number in GIC)
							Latitude			Longitude						
							deg	min	sek	deg	min	sek				
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
XXII	1	332	00493	Gojuult hujirt		Occur	49	22	00	112	03	00	Limestone ( cement )		Rocks for Construction Uses	4409.5005
XXIII	2	333	05461	Nemeen hoendii		Occur	49	24	00	112	54	00	Amethyst		Gemstones	2008.4039
XXIY	3	334	00123	Hadaasan shil uul		Occur	49	40	00	113	42	00	Limestone ( cement )		Rocks for Construction Uses	3490
	4	335	00597	Santiin hoshuu		Occur	49	25	00	113	06	00	Chalcedony		Gemstones	4427
	5	336	05412	Oevoeljoeo uul		Occur	49	25	00	113	35	00	Chalcedony		Gemstones	2041
	6	337	00596	Cagaan chuluut		Occur**	49	24	00	113	07	00	Ophicalcite		Gemstones	4039.4427
	7	338		Cagaan nuur		Occur	49	24	00	113	17	00	Oil shale		Fuel Resuorces	406
	8	339	00595	Buesiin oendoer		Occur	49	22	00	113	03	00	Amethyst	Chalcedony	Gemstones	4427
	9	340		Jargalantuin hooloi		Occur	49	22	00	113	31	00	Agate	Amethyst	Gemstones	4039
XXYII	10	341		Doervoelj uul		Occur	49	10	00	110	24	00	Stone, Decorative /gabbrodiorite/		Rocks for Construction Uses	4409
	11	342	00434	Cenhen had		Occur	49	07	00	110	58	00	Limestone ( cement )		Rocks for Construction Uses	4409
	12	343	00495	Zueun bayan haan		Occur	49	05	00	110	41	00	Stone, Decorative /granite/		Rocks for Construction Uses	4409, 5005
	13	344		Manjiin tohoi		Occur	48	57	00	110	11	20	Clays / mad /		Rocks for Construction Uses	4409
	14	345	00490	Moenh ovoo		Occur	48	58	00	110	33	00	Colored clay pegments		Mineral Pigments	4409
	15	346		Shar had		Occur	48	57	30	110	39	00	Stone, Crushed /granite/		Rocks for Construction Uses	4409
	16	347	04562	Togoot halzan uul		Occur	48	49	10	110	13	30	Limestone (for lime)		Rocks for Construction Uses	4949
	17	348	04555	Uoliin baic		Occur	48	47	55	110	05	00	Stone, Decorative /granite/		Rocks for Construction Uses	4949
	18	349	00441	Nuergestein hoendii		Occur	48	47	00	110	14	00	Sand		Rocks for Construction Uses	4409

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
XXYII	19	350		Darit uul		Occur	48	45	50	110	42	20	Limestone (for lime)		Rocks for Construction Uses	5019
	20	351		Delgerhaan uul		Occur	48	43	00	110	43	10	Limestone (for lime)		Rocks for Construction Uses	5019
	21	352		Baruun gozgor uul		Occur	48	42	20	110	33	00	Limestone (for lime)		Rocks for Construction Uses	5019
	22	353		Norovlin		Occur**	48	41	10	110	08	40	Clays / mad /		Rocks for Construction Uses	4949
	23	354	00492	Barhuin oendoer		Occur	48	41	00	110	19	00	Stone, Decorative /diorite, granodiorite/		Rocks for Construction Uses	4409, 5005
	24	355	00489	Baruun manhaadai		Occur**	48	41	00	110	39	00	Clays / mad /		Rocks for Construction Uses	4409
XXYIII	25	356	05785	Heree goluin tatam		Occur	49	14	08	111	11	00	Sand and gravel		Rocks for Construction Uses	5005
	26	357	00436	Hiorhon gol		Occur	49	14	00	111	13	00	Sand and gravel		Rocks for Construction Uses	4409
	27	358	01385	Barhuin oendoer orchim /Bayanhaan/		Occur	49	14	00	111	18	00	Stone, Decorative /granite/		Rocks for Construction Uses	4409
	28	359	00435	Agacuin gol		Occur	49	14	00	111	54	00	Sand and gravel		Rocks for Construction Uses	4409, 5005
	29	360		Hoeh baic		Occur	49	12	50	111	01	30	Limestone (for lime)		Rocks for Construction Uses	4409
	30	361	04268	Tenuen goluin adag		Occur	49	11	00	111	40	00	Clays / mad /		Rocks for Construction Uses	5005
	31	362	00603	Cagaan nuur		Occur	49	10	00	111	07	00	Oil shale		Fuel Resuorces	4409
	32	363		Occurrence №48		Occur	49	09	32	111	07	00	Bitumen		Rocks for Construction Uses	4409, 5005
	33	364		Galtai, Soeogtein		Occur	49	07	00	111	00	52	Stone, Decorative //	Chalcedony, Agate	Rocks for Construction Uses	5005
	34	365	00442	Balj gol		Occur	49	04	00	111	34	00	Sand and gravel		Rocks for Construction Uses	4409
	35	366	00496	Tengeleg olom		Occur	49	02	00	111	33	00	Sand		Rocks for Construction Uses	4409
	36	367	00488	Tengeleg olom		Occur	49	03	30	111	33	00	Clays / mad /	Colored clay pegments	Rocks for Construction Uses	4409, 5005
	37	368	00439	Gurvan nuur		Occur	49	02	00	111	39	00	Sand		Rocks for Construction Uses	4409
	38	369	00437	Huurai ceenetei gol		Occur	48	59	00	111	47	00	Sand		Rocks for Construction Uses	4409

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
XXYIII	39	370		Amirlangui		Occur	48	55	00	111	43	00	Stone, Crushed /granite-gneis /		Rocks for Construction Uses	4409
	40	371		Modot uul		Occur	48	54	00	111	36	00	Stone, Crushed /granite-gneis /		Rocks for Construction Uses	4409
	41	372	00491	Agacuin nuruu		Occur	48	53	00	111	14	00	Stone, Decorative / granodiorite /		Rocks for Construction Uses	4409
	42	373	00438	Zamt gol		Occur	48	47	00	111	36	00	Sand		Rocks for Construction Uses	4409
	43	374	00433	Buurluin gol		Occur	48	42	00	111	05	00	Stone, Decorative /marble/		Rocks for Construction Uses	4409
	44	375	00440	Coeogiin tohoi		Occur	48	40	00	111	17	00	Sand		Rocks for Construction Uses	4409
XXIX	45	376		Ereen davaan		Occur	49	20	20	112	35	20	Limestone (for lime, cement)		Rocks for Construction Uses	1594
XXX	46	377	05767	Unnamed		Occur	49	19	00	113	29	00	Oil shale		Fuel Resuorces	1313
	47	378	00593	Dambaranchingiin hotgor		Occur**	49	10	00	113	10	00	malachite		Gemstones	4427
	48	379	00524	Buednii		Occur	48	52	00	113	56	00	Brown coal		Fuel Resuorces	2462
XXXI	49	380		Orjigor mandal uul		Occur	48	12	55	108	53	00	Stone, Decorative /granite/		Rocks for Construction Uses	4853
	50	381		Moengoen morit		Occur	48	10	00	108	35	00	Brown coal		Fuel Resuorces	3762
	51	382		Zeg nuur		Occur	48	03	30	108	36	00	Sodium Sulfate Resources	Soda Ash	Continental Lake Evaporates	4669
XXXIII	52	383		Bulangiin nuur		Occur	48	31	00	110	24	00	Chalcedony	Gaize, Agate	Gemstones	1863, 4397
	53	384		Unnamed		Occur	48	27	25	110	15	40	Jasper	Agate	Gemstones	2919, 4144
	54	385	05482	Occurrence №7		Occur	48	25	00	110	14	00	Agate		Gemstones	4397
XXXIII	55	386	05483	Binder uul		Occur	48	25	00	110	15	00	Agate		Gemstones	4397
	56	387	05481	Cacag uul / occurrence №16/		Occur	48	24	00	110	30	00	Chalcedony	Agate	Gemstones	4397
	57	388		Cagaan nuur	Dep		48	24	50	110	52	41	Clays / mad /		Rocks for Construction Uses	4836
	58	389		Buural uul		Occur	48	20	00	110	50	00	Stone, Decorative /marble/	урлагчимэглэлийн гантиг	Rocks for Construction Uses	2008, 3048
	59	390	05480	Batnorov		Occur	48	30	00	111	30	00	Stone, Crushed / basalt /		Rocks for Construction Uses	3799

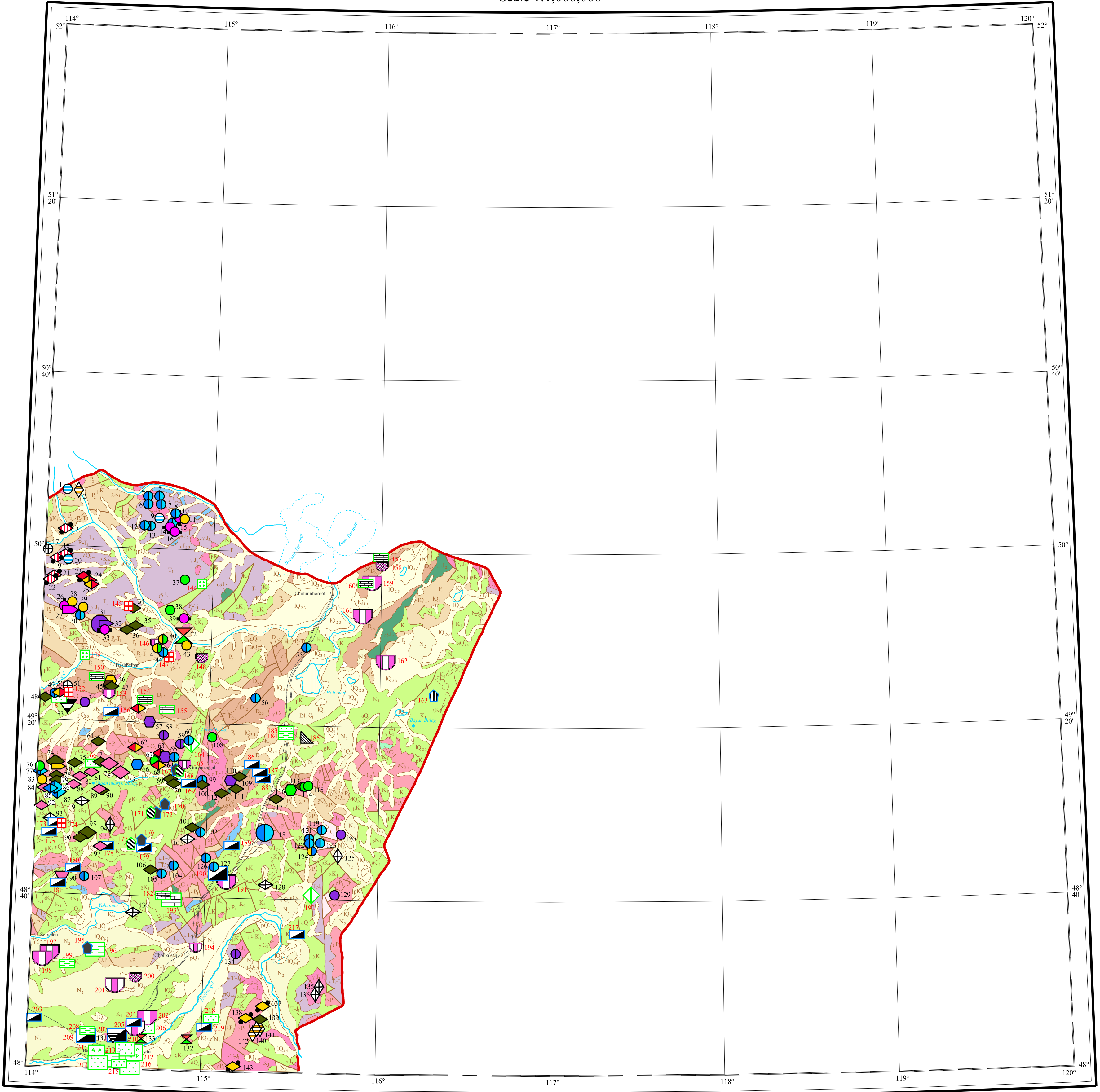
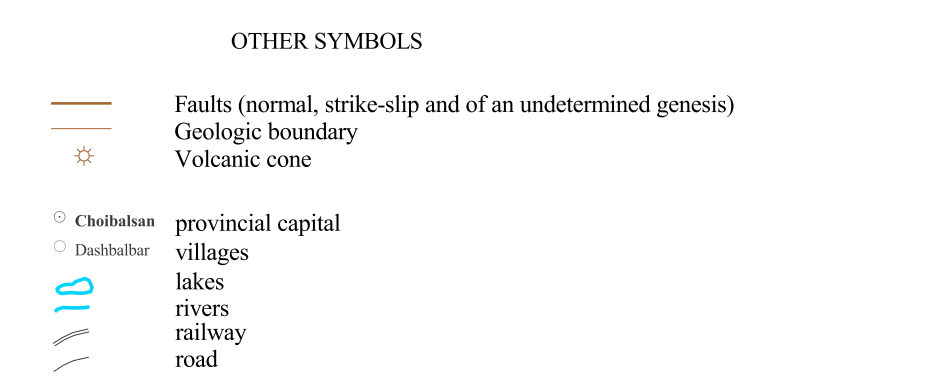
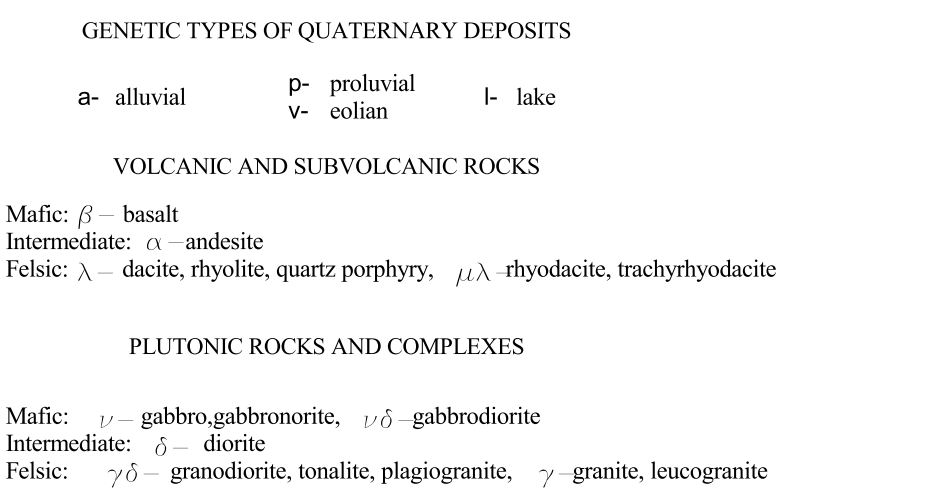
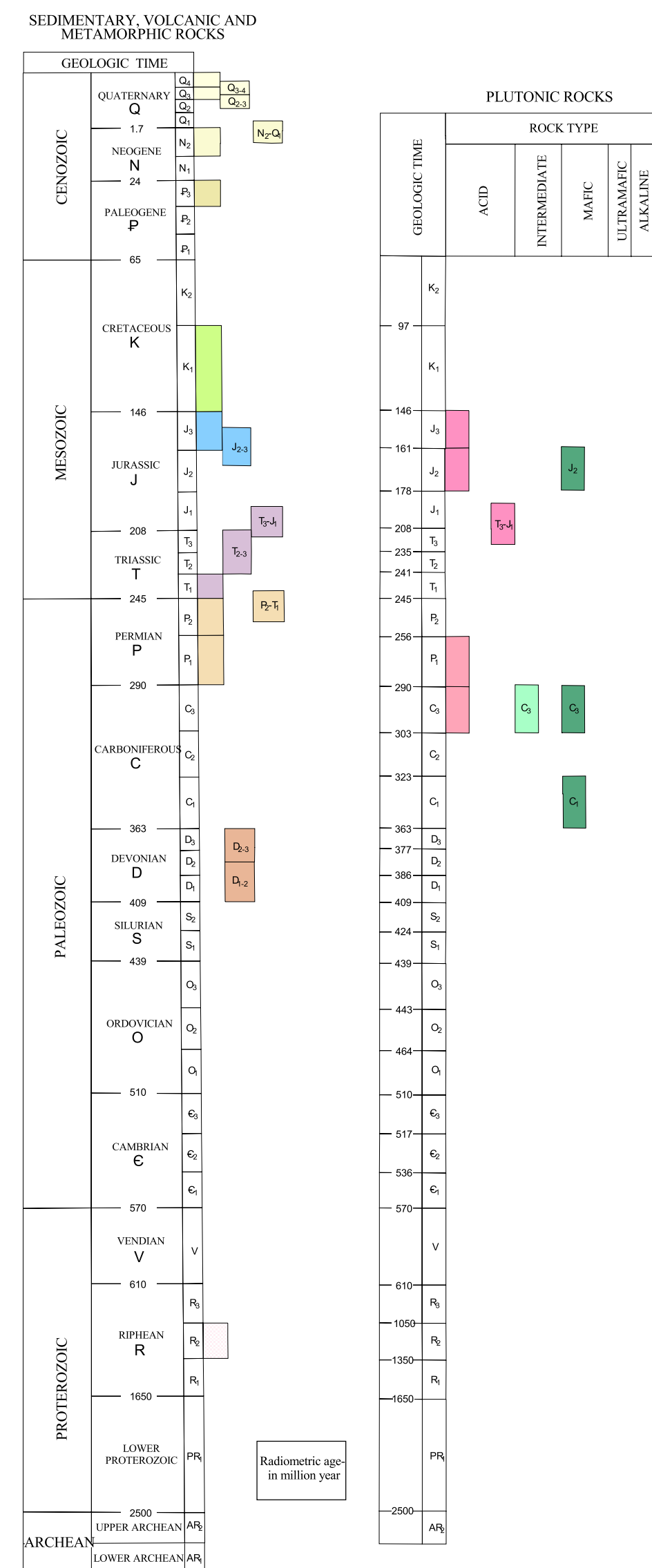
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XXXIY	60	391	05462	Shiir uul		Occur	48	17	00	111	10	00	Chalcedony		Gemstones	3112
	61	392		Shine gol		Occur	48	04	00	111	32	00	Sand and gravel		Rocks for Construction Uses	4409
	62	393		Bayanbulag		Occur	48	03	30	111	37	00	Sand and gravel		Rocks for Construction Uses	4409
XXXY	63	394	057765	Tosongiin ovoo /unnamed/		Occur	48	14	30	112	50	00	Brown coal		Fuel Resuorces	57/58
	64	395	2068	Hulst nuur	Dep		48	12	00	112	31	30	Brown coal		Fuel Resuorces	1757,3479,4443
	65	396	05471	Hoeh oendoer		Occur	48	02	16	112	13	10	Pyrope	Chrysolite	Gemstones	4073
	66	397	05514	Unnamed /Bayanhoshuul/		Occur	48	02	00	112	17	00	Halite		Continental Lake Evaporates	1757
XXXYI	67	398		Hutag	Dep		48	35	00	113	55	00	Brown coal		Fuel Resuorces	1043
	68	399	05517	Hoeovoer		Occur	48	33	40	113	13	30	Sodium Sulfate Resources		Continental Lake Evaporates	3956, 4443
	69	400		Hayalguin cagaan nuur		Occur	48	31	00	113	01	30	Sodium Sulfate Resources		Continental Lake Evaporates	3956, 4443
	70	401	05766	Unnamed		Occur	48	30	00	113	50	00	Brown coal		Fuel Resuorces	1313
	71	402		Cagaan nuur	Dep		48	30	00	113	53	00	Brown coal		Fuel Resuorces	81
	72	403	05515	Toson nuur		Occur	48	28	30	113	08	40	Sodium Sulfate Resources		Continental Lake Evaporates	3956, 4443
	73	404		Cengeleg nuur		Occur	48	27	27	113	11	50	Sodium Sulfate Resources		Continental Lake Evaporates	3956, 4443
XXXYI	74	405		Dund nuur		Occur	48	26	23	113	12	35	Sodium Sulfate Resources		Continental Lake Evaporates	3956
	75	406	05479	Cagaan ovoo		Occur	48	24	00	113	07	00	Stone, Crushed / basalt /		Rocks for Construction Uses	3799
	76	407	05512	Nuur III		Occur	48	24	58	113	17	10	Halite, Sodium Sulfate Resources		Continental Lake Evaporates	3956, 4443
	77	408	05519	Hotontuin бага nuur		Occur	48	05	50	113	48	30	Sodium Sulfate Resources		Continental Lake Evaporates	3956, 4443

Explanation Dep\*\*\* - Deposit is in operation  
Occur\*\* - Occurrence without estimated reserves, but is exploited from the Surface  
Passport No: 2068 - Deposit passport  
00492 - occurrence passport

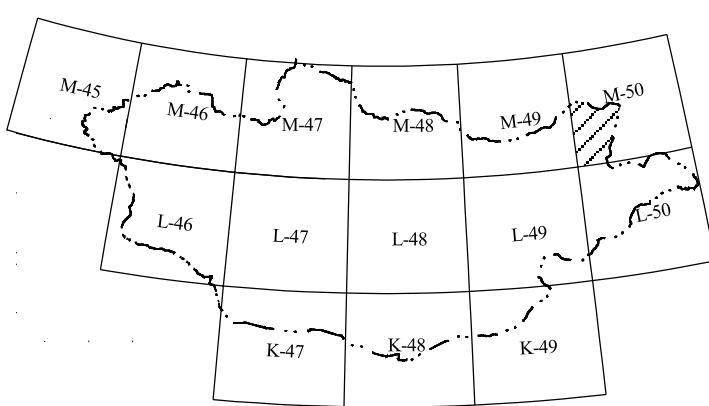
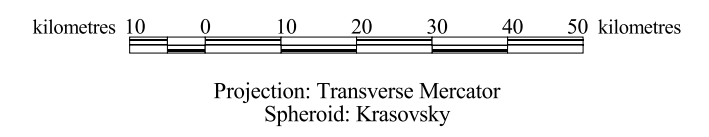
# MINERAL DEPOSITS AND OCCURRENCES OF MONGOLIA

M-50  
Scale 1:1,000,000

## LEGEND FOR GEOLOGY



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## LEGEND M-50

### A. Metals, Fluorspar, Zeolite, Optical Quartz, Kaolinite, Bentonite

Deposit type	Deposit	Occurrence
<b>1. Deposits related to Subaerial Extrusive Rocks and Dyke Complexes</b>		
1 Epithermal adularia-sericite type Au		
2 Clastic sediment-hosted Hg		
3 Clastic sediment-hosted Sb		
4 Epithermal vein/replacement fluorite		
5 Volcanic-hosted breccia/replacement Ag-Pb-Zn(Cd, Ga, Cu, Au)		
6 Au-Ag-Sb-As vein/replacements		
7 Au-Te(Ag, Cu) vein/metasomatites		
8 Volcanic-hosted U		
9 Volcanic-hosted zeolite		
<b>2. Stratiform and Stratabound Deposits in sedimentary rocks</b>		
10 Sandstone-hosted U		
<b>3. Deposits related to Calc-Alkaline and Alkaline Granitic Intrusions</b>		
<b>3.1. Pegmatite, Greisen and Alkaline metasomatite Deposits</b>		
11 Ta-Nb-(REE) pegmatite		
12 Mirolitic and abyssal pegmatite		
<b>3.2. Skarn deposits</b>		
13 Fe(Cu, Au, W, Sn) skarn		
14 Cu(Fe, Au, Ag, Mo) skarn		
15 Pb-Zn (Ag, Cu, W, Fe) skarn		
16 W (Mo, Fe, Cu) skarn		
17 Au (Cu, Ag, Fe) skarn		
<b>3.3. Porphyry and Granitic Pluton-hosted Deposits</b>		
<b>3.4. Granitoid Related vein, stockwork, metasomatite deposits</b>		
18 Porphyry Cu-Mo (Ag, Re)		
19 Granitoid related Au		
20 Granitoid related Au-Ag-Cu		
21 Granitoid related Au-Ag-Pb-Zn		
22 Granitoid related stockwork/metasomatite Cu		
23 W(Mo) veins and stockworks		
24 Cassiterite-sulfide veins		
25 Cassiterite-silicate veins		
26 W (Sn) veins		
27 Vein/replacement Ag-Pb-Zn		
28 Granitoid related vein/stockwork Bi		
29 Mountain crystal bearing veins		
<b>4. Deposits related to Surficial Process</b>		
30 Placer Au		
31 Placer Sn (W)		
32 Placer W		
33 Sedimentary kaolinite		
34 Sedimentary bentonite		

### B. Fuel Resources, Gemstones, Continental Lake Evaporates, Mineral Pigments, Minerals and Rocks for Construction Uses

Mineral Resources	Mineral Deposit	Occurrence
<b>1. Fuel Resources</b>		
1 Brown coal		
2 Oil shale		
3 Oil or petroleum		
<b>2. Gemstones</b>		
4 Amethyst, Chalcedony + Agate		
<b>3. Continental lake evaporates</b>		
5 Halite		
6 Sodium Sulfate Resources		
7 Sodium Sulfate Resources and Soda Ash		
<b>4. Mineral Pigments</b>		
8 Pigments, different colored clays		
<b>5. Minerals and Rocks for Construction uses:</b> Aggregates, Lightweight Aggregates, Stone, Crushed; Decorative stones, Cement Raw Materials Roofing Granules		
9 Bitumen		
10 Clays ( Fire clay, common clay, )		
11 Sand		
12 Limestone		
13 Perlite		
14 Crushed stones, Building stones, Dimension stones		

Mineral deposits and occurrences compiled from Open File Reports of the Geological Information Center of MRAM, by **Gunchin Dejidmaa and Adyagin Evilkhuu**

Digital cartography by Myangagiin Erdenetsereg; Geological Information Center, MRAM.

Geology from Geological Map of Mongolia at scale 1:1,000,000 compiled in 1999 by: G. Badarch, Ts. Makhbadar, D. Orolmaa, P. Khosbayar, O. Tomartogoo; Institute of Geology and Mineral Resources, Academy of Sciences of the Mongolia.

Printed by Geological Information Center of MRAM in 2001. Ulaanbaatar

**Metals & Industrial Minerals Deposits & Occurrences in the Sheet M-50**  
*Compiled by Gunchingiin Dejidmaa*

Number in the M-50 sheet	Passport number in GIC	Deposit and occurrence name	Dep.	Occur.	Location						Major commodity	Minor commodity	Deposit type	Data source: Open File Report number in GIC, Mongolia
					Latitude			Longitude						
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	05500	Tsagaanchuluut		Occur.	50	13	00	114	07	00	Bi	Be, Sn	Granitoid related vein/stockwork Bi	433, 1409, 1823
2	05501	Berh		Occur.	50	13	00	114	11	00	Nb	Ta	Ta-Nb pegmatite	1881
3	00198	Khuts ondor		Occur.	50	04	00	114	07	00	Sb	Au	Clastic sediment-hosted Sb	4039
4	05180	Zuun khargana		Occur.	50	12	00	114	36	00	Ag	Zn	Granitoid related vein/metasomatite Ag-Pb-Zn	1409, 4039
5	05325	Boon		Occur.	50	12	00	114	40	00	Ag, Pb, Zn		Granitoid related vein/metasomatite Ag-Pb-Zn	4555
6	03367	Iher		Occur.	50	10	00	114	36	00	Ag, Pb, Zn		Granitoid related vein/metasomatite Ag-Pb-Zn	4555
7	05187	Baitsyn ovoo		Occur.	50	10	00	114	41	00	Ag, Pb, Zn		Granitoid related vein/metasomatite Ag-Pb-Zn	1409, 4039, 4555
8	00200	Unnamed, №174		Occur.	50	08	00	114	46	00	Ag, Pb	As, Au, Sb, Cu	Granitoid related vein/metasomatite Ag-Pb-Zn	4039
9	05499	Delt uul		Occur.	50	07	00	114	40	00	Bi		Granitoid related vein/metasomatite Ag-Pb-Zn	1823
10	05186	Khoh uul		Occur.	50	07	00	114	47	00	Sn	Ag, Pb, Au	Cassiterite-sulfide veins	1409, 3645
11		Khoh uul		Occur.	50	07	20	114	49	00	Au	Ag, Sn	Granitoid related vein Au	1409, 4039
12	05324	Chonon		Occur.	50	05	00	114	35	00	Ag, Pb, Zn	Cu, Cd	Granitoid related vein/metasomatite Ag-Pb-Zn	4555
13		Jiguuriin		Occur.	50	05	00	114	37	00	Pb, Zn	Sb, As, Au, Cd	Granitoid related vein/metasomatite Ag-Pb-Zn	4555
14		Khoh uul		Occur.	50	05	00	114	44	00	Sn		Cassiterite-silicate veins	1409, 2012, 4039
15		Khoh uul		Occur.	50	06	00	114	45	00	Pb, Zn	Cu, As, Au	Granitoid related vein/metasomatite Ag-Pb-Zn	1409, 1973, 2012, 4039
16	05495	Uulyн		Occur.	50	04	00	114	46	00	Sn		Cassiterite-silicate veins	2012
17		Unnamed		Occur.	49	59	00	114	01	00	Mountain crystal		Mountain crystal bearing veins	4443
18	00199	Baruunbulag		Occur.	49	58	00	114	07	00	Sb		Clastic sediment-hosted Sb	4039
19	04414	Khust uul		Occur.	49	57	00	114	04	00	Sb		Clastic sediment-hosted Sb	4938
20	05562	Zuunbulag		Occur.	49	57	00	114	08	00	Bi	Pb, Cu	Granitoid related vein/metasomatite Bi	964, 4039
21	04411	Khoh chuluu uul		Occur.	49	53	20	114	03	15	Sb		Clastic sediment-hosted Sb	4938

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
22	05492	Tagiin burd		Occur.	49	52	00	114	02	00	Sb	As, Au, Ag	Clastic sediment-hosted Sb	2594, 4039
23	05491	Kharzat		Occur.	49	53	00	114	14	00	Hg		Clastic sediment-hosted Hg	2594, 4039
24	00226	Borondor		Occur.	49	52	00	114	16	00	Au, Ag	Sb, As, Pb, Zn	Au-Ag-Sb-As vein/replacements	4039
25	00227	Ovorhooloi		Occur.	49	51	00	114	17	00	Au, Ag	Sb, As, Pb, Zn, Cu	Au-Ag-Sb-As vein/replacements	4039
26	05113	Zaagiin khondii		Occur.	49	46	50	114	07	00	Sn		Cassiterite-sulfide veins	433, 534, 4039
27		Zaagiin khondii		Occur.	49	45	10	114	09	00	Sn		Placer Sn	420, 433, 543, 2345, 4039
28	00224	Zaagiin khondii	Dep.		49	47	00	114	10	00	Au	Ag	Granitoid related vein Au	4039
29	00225	Tsagaan khondii		Occur.	49	46	00	114	14	00	Au	Ag	Granitoid related vein Au	4039
30	03522	Chuluuttolgoi		Occur.	49	44	10	114	13	55	Ag, Pb, Zn	Au, Cu	Granitoid related vein/metasomatite Ag-Pb-Zn	4938
31		Chuluunhoroot	Dep.*		49	42	30	114	20	00	W	Mo	W-Mo veins	228, 420,433, 435, 534,1102, 2820, 2821, 2822, 2823, 2824, 2825, 2827, 2829, 2830, 2833
32		Chuluunhoroot		Occur.	49	42	00	114	22	37	W		Placer W	534
33	05114	Chuluutbulag		Occur.	49	41	00	114	22	00	Sn		Cassiterite-silicate veins	534
34	05567	Engerbulag		Occur.	49	46	00	114	32	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	964, 3456, 4039
35		Tsagaan khondii -II		Occur.	49	42	00	114	33	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	2459, 3456, 4039
36	05506	Tsagaan khondii - I		Occur.	49	41	00	114	30	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	2459, 3456, 4039
37	05521	Ovoot		Occur.	49	53	00	114	50	00	Cu		Granitoid related vein Cu	1302, 3645
38		Unnamed		Occur.	49	46	00	114	45	00	Cu	Au, Ag	Granitoid related vein Cu	4938
39		Baga uul		Occur.	49	44	50	114	50	15	Sn		Cassiterite-silicate veins	4208, 4443
40	05039	Nomint		Occur.	49	39	00	114	43	00	Au, Ag, Cu		Granitoid related stockwork Au-Ag-Cu	405, 433, 557, 2459, 4039, 4208
41	05034	Soyo ondor		Occur.	49	37	00	114	41	00	Au, Ag, Cu		Granitoid related stockwork Au-Ag-Cu	1344, 2459, 4039, 4208
42		Avdartolgoi	Dep.		49	40	15	114	50	40	Mo, Cu	W, Au, Ag	Porphyry Cu-Mo	2459, 4208
43	00288	Illuruut		Occur.	49	38	00	114	51	00	Au	Ag	Granitoid related vein Au	2459, 4208
44	00289	Lutaagiin		Occur.	49	36	00	114	43	00	Ag, Pb, Zn	Au, Ag	Granitoid related vein/metasomatite Ag-Pb-Zn	2459, 4208
45		Erdenetolgoi		Occur.	49	28	00	114	24	00	Fe		Fe skarn	2459
46	05560	Erdenetolgoi		Occur.	49	29	00	114	25	00	Au, Cu	Fe, B	Au(Cu) skarn	964, 1823, 2459, 4039
47	03368	Jargal		Occur.	49	28	00	114	25	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4556
48	05507	Jaraahai		Occur.	49	25	00	114	02	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	964, 1823, 4039
49		Burgast		Occur.	49	26	00	114	05	00	Ag, Pb, Zn	Au, Cu	Granitoid related vein/metasomatite Ag-Pb-Zn	964, 2459, 4555



0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
50	05033	Modotondor		Occur.	49	26	12	114	07	18	Au, Sb	As, Ag	Au-Ag-Sb-As vein/replacements	964, 2459, 4039
51	05505	Modotondor		Occur.	49	27	00	114	10	00	Mountain crystal		Mountain crystal bearing veins	964, 1621
52	05561	Сайх		Occur.	49	24	00	114	16	00	W		W-Mo veins	262, 964, 4039
53		Ganjuurt	Dep.		49	23	00	114	10	00	Bentonite		Sedimentary bentonite	4210, 4580, 4669, 5166
54		Unnamed		Occur.	49	23	00	114	35	00	Au, Te	Ag, Cu, Pb, As, Sb	Au-Te(Ag, Cu) vein/metasomatites	2459, 4208, 4443
55		Unnamed		Occur.	49	38	30	115	34	0	Ag, Pb		Granitoid related vein/metasomatite Ag-Pb-Zn	4208, 4443
56	00290	Burgastolgoi		Occur.	49	26	00	115	16	00	Ag, Pb		Granitoid related vein/metasomatite Ag-Pb-Zn	4208, 4443
57		Dagai		Occur.	49	20	00	114	39	00	W		W-Mo veins	1823, 1845, 2459, 3645
58	05118	Unnamed		Occur.	49	17	00	114	44	00	W, Sn		W-Sn veins	1845
59	05119	Khavchrang nuur		Occur.	49	15	00	114	50	00	W, Sn		W-Sn veins	1845
60	00291	Unnamed		Occur.	49	16	00	114	53	00	Ag	Sb	Granitoid related vein/metasomatite Ag-Pb-Zn	4208
61	05566	Ganjuurt		Occur.	49	15	00	114	21	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	964, 1823
62	00378	Kharguit		Occur.	49	14	00	114	34	00	Au, Te	Ag, Sb, As, Pb, Zn, Cu	Au-Te(Ag, Cu) vein/metasomatites	2459, 4208
63	00282	Zuundagai		Occur.	49	13	00	114	43	44	Au, Te	Ag, Sb, As, Pb, Zn, Cu	Au-Te(Ag, Cu) vein/metasomatites	2459, 4208
64	05120	Gurvanzagal		Occur.	49	12	00	114	45	00	W	Mo, Ag, Cu	W-Mo skarn	1845
65	00293	Unnamed		Occur.	49	12	00	114	48	00	Ag, Pb	Cu	Granitoid related vein/metasomatite Ag-Pb-Zn	4208
66	03521	Olziit		Occur.	49	10	10	114	35	10	Pb, Zn	Ag, Cu	Pb-Zn skarn	4938
67	05032	Baishintiin bulag		Occur.	49	11	00	114	41	00	Cu		Granitoid related vein Cu	1927
68	00292	Orliin ovoo		Occur.	49	10	00	114	43	00	Au, Te	Ag, Sb, As, Pb, Zn, Cu	Au-Te(Ag, Cu) vein/metasomatites	2459, 4208
69	00277	Nuur		Occur.	49	07	00	114	47	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4208, 4443
70	00285	Tsagaantolgoi		Occur.	49	06	30	114	48	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4208
71	00283	Delger nuur		Occur.	49	10	00	114	25	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4208
72		Dornod - 1	Dep.**		49	10	00	114	25	30	U		Volcanic-hosted U	2416, 2430, 2466, 5248, 5249, 5250, 5251, 5254, 5255, 5256, 5257, 5259, 5261
73		Dornod - 2	Dep.		49	08	00	114	29	00	U		Volcanic-hosted U	2416, 2430, 5248, 5249, 5250, 5251, 5254, 5255, 5256, 5257, 5259, 5261
74	05508	Baruunsuu	Dep.		49	10	00	114	06	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	1927, 2011, 2416, 4550, 4556
75	05509	Mardai		Occur.	49	10	00	114	13	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	2416, 2459

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
76	05035	Baruunhoid		Occur.	49	09	00	114	01	00	Cu	Pb, Zn	Granitoid related vein Cu	1927
77	00383	Namryn		Occur.	49	08	00	114	01	00	Ag, Pb, Zn		Volcanic-hosted breccia/replacement Ag-Pb-Zn	2459, 4443, 4555
78		Ulaan nuur		Occur.	49	07	30	114	07	30	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	964, 1927
79	00284	Khooloi		Occur.	49	06	00	114	07	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4208, 4443
80	00379	Muharhavyn khooloa		Occur.	49	09	00	114	07	00	Au		Placer Au	2459
81	00391	Ilreh		Occur.	49	08	00	114	19	00	U		Volcanic-hosted U	2451
82	00390	Tsever		Occur.	49	07	00	114	15	00	U		Volcanic-hosted U	2451
83	00281	Tohoi		Occur.	49	06	00	114	02	00	Au		Granitoid related vein Au	4208, 4443
84	00333	Davaa		Occur.	49	04	00	114	03	22	U		Volcanic-hosted U	2451
85	00381	Butaan		Occur.	49	04	40	114	05	00	Ag, Pb, Zn		Volcanic-hosted breccia/replacement Ag-Pb-Zn	2459, 4202
86		Muhar	Dep.		49	04	00	114	06	00	Ag, Pb, Zn		Volcanic-hosted breccia/replacement Ag-Pb-Zn	2459, 4142, 4202, 4562
87		Ulaan	Dep.		49	03	00	114	07	00	Ag, Pb, Zn		Volcanic-hosted breccia/replacement Ag-Pb-Zn	2459, 4142, 4202, 4562
88		Unnamed		Occur.	49	05	00	114	13	00	U		Volcanic-hosted U	2451, 2459, 2462
89	00389	Khar		Occur.	49	04	00	114	22	00	U		Volcanic-hosted U	2451, 2459, 2462
90	00279	Tsagaannuur		Occur.	49	04	00	114	23	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	2451, 4443
91	00523	Bumbat		Occur.	49	01	00	114	16	00	Zeolite		Volcanic-hosted zeolite	2462
92		Unnamed		Occur.	49	00	00	114	02	00	U		Volcanic-hosted U	2451, 2462
93	00443	Kholtos		Occur.	48	57	00	114	05	00	Zeolite		Volcanic-hosted zeolite	2462
94		Zuun		Occur.	48	56	00	114	26	00	Smoky quartz		Miarolitic and abyssal pegmatite	532, 4443
95		Khovoobulag	Dep.		48	54	00	114	18	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	412, 532, 1927, 4550, 4556
96	05568	Shavartondor		Occur.	48	53	00	114	16	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	1927, 2112
97	00376	Delger nuur		Occur.	48	51	00	114	23	00	U	Pb, Zn	Volcanic-hosted U	2447
98	00375	Shinebulag		Occur.	48	44	00	114	10	00	U		Sediment-hosted U	2447
99	00294	Tsagaanchuluut		Occur.	49	07	00	114	58	00	Ag, Zn		Granitoid related vein/metasomatite Ag-Pb-Zn	4378
100		Unnamed		Occur.	49	06	00	114	58	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4208, 4443
101	00447	Buduunbulag		Occur.	48	56	00	114	55	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	2466
102	03524	Suuj		Occur.	48	55	20	114	58	45	Ag, Pb, Zn	Cu	Granitoid related vein/metasomatite Ag-Pb-Zn	4938

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
103	03532, 04477	Suuj		Occur.	48	53	42	114	53	00	Zeolite		Volcanic-hosted zeolite	4938
104	00298	Delgermonh		Occur.	48	47	00	114	49	00	Ag, Pb, Zn		Granitoid related vein/metasomatite Ag-Pb-Zn	4378
105		Saihanbulag		Occur.	48	45	50	114	45	00	Pb, Zn		Granitoid related vein/metasomatite Ag-Pb-Zn	2459, 4938
106	00299	Boon uul		Occur.	48	46	00	114	41	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4378, 4938
107	03523	Targan		Occur.	48	44	45	114	18	30	Ag, Pb, Zn		Granitoid related vein/metasomatite Ag-Pb-Zn	4938
108	05502	Unnamed		Occur.	49	17	00	115	01	00	Cu		Granitoid related vein Cu	450
109	00297	Khaich		Occur.	49	08	00	115	11	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4208, 4378, 4443
110	00295	Buuraltolgoi		Occur.	49	07	00	115	08	00	W		W-Mo skarn	4378
111	00278	Khonhor		Occur.	49	05	00	115	10	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4208
112	00296	Khujirt		Occur.	49	04	00	115	05	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4378
113	05510	Lamchuluut		Occur.	49	06	30	115	33	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4208, 4443
114	00276	Ulaantolgoi-1		Occur.	49	06	00	115	34	00	Cu	Ag, Mo	Granitoid related vein Cu	4208
115	00401	Lamchuluut		Occur.	49	06	00	115	35	00	Cu	Ag, Mo	Granitoid related vein Cu	4378
116	00582, 04382	Tsaanogt		Occur.	49	05	00	115	29	00	Cu		Cu skarn	4378
117	05511	Morogtsog		Occur.	49	03	00	115	24	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	4208, 4307
118		Tsav	Dep.		48	55	10	115	20	05	Ag, Pb, Zn	Cu, Cd, Au	Granitoid related vein/metasomatite Ag-Pb-Zn	3717, 3946, 4037, 4208, 4441, 4490, 4522, 4531, 4549, 4551, 4557, 4743
119	04658	Salhit		Occur.	48	56	00	115	40	00	Ag, Pb, Zn		Granitoid related vein/metasomatite Ag-Pb-Zn	4208, 4443
120	00577	Avdarharaat		Occur.	48	55	00	115	47	00	W, Mo		W-Mo veins	4441
121	00272	Altantolgoi		Occur.	48	54	00	115	36	00	Ag, Pb, Zn		Granitoid related vein/metasomatite Ag-Pb-Zn	4208, 4503, 4522, 5143
122	00579	Modotondor		Occur.	48	53	00	115	36	00	Ag, Pb, Zn		Granitoid related vein/metasomatite Ag-Pb-Zn	4441
123	00580	Omnot		Occur.	48	53	00	115	40	00	Ag, Pb, Zn		Granitoid related vein/metasomatite Ag-Pb-Zn	4441
124		Bayanuul		Occur.	48	51	00	115	37	40	Au	Ag, Pb, Zn	Granitoid related vein/metasomatite Ag-Pb-Zn	1280, 3717, 4441
125	05563	Avdarharaat		Occur.	48	50	00	115	46	00	Smoky quartz		Miarolitic and abyssal pegmatite	964, 1069
126	00275	Burged		Occur.	48	49	00	115	00	00	Ag, Pb, Zn		Granitoid related vein/metasomatite Ag-Pb-Zn	2459, 4208
127	00286	Bayanbulag		Occur.	48	47	00	115	03	00	Ag, Pb, Zn		Granitoid related vein/metasomatite Ag-Pb-Zn	2459, 4208
128		Khar ovoo (Ulaan shiree)		Occur.	48	43	00	115	21	00	Zeolite		Volcanic-hosted zeolite	2459, 4443

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
129	00280	Tavantolgoi		Occur.	48	41	00	115	45	00	W		W-Sn veins	4208
130	00445	Yahiin nuur		Occur.	48	36	00	114	35	00	Zeolite		Volcanic-hosted zeolite	2462
131		Aduunchuluun		Occur.	48	07	00	114	30	00	Kaoline		Sedimentary kaolinite	1853, 3218, 4938
132	05504	Davhar uul		Occur.	48	07	30	114	55	00	Mo		Porphyry Cu-Mo	1853
133	05503	Bayantumen		Occur.	48	07	00	114	39	00	Cu		Porphyry Cu-Mo	412, 294
134		Buural owoo		Occur.	48	27	00	115	11	10	W		W-Sn veins	4443, 4938
135	05564	Khalh tavan ondor		Occur.	48	20	00	115	40	00	Smoky quartz		Miarolitic and abyssal pegmatite	412, 964
136	05565	Khalhyn tavan ondor		Occur.	48	18	00	115	39	00	Smoky quartz		Miarolitic and abyssal pegmatite	412, 964
137	00042	Occurrence №2		Occur.	48	15	00	115	21	00	Au		Epithermal adularia-sericite type Au-Ag	1853
138	00041	Occurrence №5		Occur.	48	12	00	115	15	00	Au		Epithermal adularia-sericite type Au-Ag	1853
139	05485	Khulgar khudag		Occur.	48	12	00	115	20	00	CaF <sub>2</sub>		Epithermal vein/replacement fluorite	1853
140	00039	Occurrence №7		Occur.	48	10	00	115	19	00	Ta, Nb		Ta-Nb pegmatite	1853
141	00038	Occurrence №8		Occur.	48	10	00	115	20	00	Ta, Nb		Ta-Nb pegmatite	1853
142	00037	Occurrence №11		Occur.	48	09	00	115	18	00	Ta, Nb		Ta-Nb pegmatite	1853
143	00040	Occurrence №14		Occur.	48	01	00	115	11	00	Au		Epithermal adularia-sericite type Au-Ag	1853

Explanation: \*\*\*- Deposits in operation; \*\*- Deposits mined out, but there is small amount of reserves; \*- Deposits mined out; \*- Occurrences with small ancient openpits on surface.

I	S	B	N	9	9	9	2	9	-	5	-	5	4	0	-	6
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## Mineral Deposits and Occurrences in the Sheet M - 50

(Fuel Resources, Continental Lake Evaporates, Gemstones, Rocks for Construction Uses, Mineral Pigments)

1:200000 scale Sheet	No	Number in M-50	Passport number	Deposit and occurrence name	Dep	Occur	Location						Major Resources	Minor Resources	Mineral Resources Group	Information Sources (Open File Report number in GIC)
							Latitude			Longitude						
							deg	min	sek	deg	min	sek				
<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>
<b>XIX</b>	1	144	5169	Caarut		Occur	49	52	0	114	56	0	Stone, Crushed		Rocks for Construction Uses	412
	2	145		Har narst		Occur	49	46	30	114	30	0	Amethyst		Gemstones	3436, 3145, 4039,4938
	3	146	5116	Dabsan cagaan nuur		Occur	49	38	0	114	40	20	Sodium Sulfate Resources	Halite	Continental Lake Evaporates	1069
	4	147	600	Gurbanzagal		Occur	49	35	0	114	45	0	Chalcedony		Gemstones	4427
	5	148	5109	Dabsan nuur		Occur**	49	35	0	114	56	30	Halite		Continental Lake Evaporates	1069
	6	149	02471	Dashbalbar		Occur**	49	35	0	114	15	0	Stone, Crushed		Rocks for Construction Uses	412
	7	150	02472	Dashbalbar		Occur**	49	30	0	114	20	0	Limestone		Rocks for Construction Uses	412
	8	151		Ulz		Occur	49	25	25	114	6	40	Sand		Rocks for Construction Uses	4938
	9	152	4532 05570	Jaraahai		Occur	49	26	20	114	9	40	Agate	Chalcedony	Gemstones	964, 1863
	10	153	5100	Zeeg nuur		Occur	49	26	0	114	24	0	Sodium Sulfate Resources		Continental Lake Evaporates	1069
	11	154	02473	Del oendoer		Occur	49	25	0	114	37	0	Limestone		Rocks for Construction Uses	412
	12	155	02474	Gurvanbulag		Occur	49	23	0	114	45	0	Limestone		Rocks for Construction Uses	412
	13	156		Zeegt		Occur	49	22	0	114	25	0	Brown coal		Fuel Resources	1823,2654, 3645, 4938
<b>XX</b>	14	157	02475	Baga dalai bayanhan		Occur	49	59	0	116	0	0	Limestone		Rocks for Construction Uses	412
	15	158		Nuur		Occur	49	57	0	116	0	0	Halite		Continental Lake Evaporates	412
	16	159	322 05102	Baga dalai nuur	Dep		49	53	0	115	56	0	Sodium Sulfate Resources		Continental Lake Evaporates	1069, 4938
<b>XX</b>	17	160	04563	Ereen cav		Occur**	49	52	35	115	54	35	Limestone		Rocks for Construction Uses	4938

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	18	161	5107	Ih dalai nuur	Dep		49	45	15	115	53	30	Sodium Sulfate Resources	Halite	Continental Lake Evaporates	1069, 1663, 4938
XXI	19	162	1052	Jirmiin cagaan nuur	Dep		49	35	0	116	2	0	Sodium Sulfate Resources		Continental Lake Evaporates	4938
	20	163	2602 5108	Cagaan owoo		Occur	49	27	0	116	19	0	Oil or petroleum	Asfalitit	Fuel Resuorces	412,1312, 1310,4938
XXY	21	164	04570	Delger nuur		Occur	49	15	35	114	53	5	Perlite		Rocks for Construction Uses	4938
	22	165	02069	Honhor shueut		Occur	49	10	28	114	51	18	Sodium Sulfate Resources		Continental Lake Evaporates	4938
	23	166	04573	Dalgat hoendloen		Occur**	49	10	5	114	19	40	Sand		Rocks for Construction Uses	4938
	24	167		Suemiin nuur		Occur	49	9	0	114	48	0	Oil shale		Fuel Resuorces	4380, 4938
	25	168	5098	Suemiin nuur		Occur	49	9	0	114	48	0	Bitumen	Asfalitit	Rocks for Construction Uses	3645,1311, 1312,4938
	26	169		Suemiin nuur		Occur	49	6	0	114	53	5	Brown coal		Fuel Resuorces	4380.4938
	27	170	5559	Aman nuur		Occur	49	1	0	114	45	0	Oil shale		Fuel Resuorces	450.1927
	28	171	5097	Dalgat nuur		Occur	48	59	0	114	41	0	Bitumen	Asfalitit	Rocks for Construction Uses	129,412, 1312,4938
	29	172		Dalgat nuur		Occur	48	59	0	114	41	0	Oil shale		Fuel Resuorces	4938
	30	173	5556	Huereet nuur		Occur	48	56	0	114	7	15	Brown coal		Fuel Resuorces	1927, 3645, 4938
	31	174	04531	Cagaan tolgoi		Occur	48	56	0	114	9	5	Chalcedony	Agate	Gemstones	4938
	32	175	00444	Tevshii		Occur	48	54	0	114	5	0	Brown coal		Fuel Resuorces	2462
	33	176	5558	Melhii bulag		Occur	48	52	35	114	37	20	Oil shale		Fuel Resuorces	3645,1927, 1312,4938
	34	177	5557	Unnamed		Occur	48	52	0	114	33	30	Asfalitit		Rocks for Construction Uses	1312.1927
	35	178	04592	Emgent		Occur	48	51	15	114	25	15	Brown coal		Fuel Resuorces	4938
36	179		Delger nuur		Occur	48	50	57	114	38	10	Brown coal		Fuel Resuorces	4443	
37	180	287	Shinebulag		Occur	48	45	45	114	13	40	Brown coal		Fuel Resuorces	4443, 4938	
XXY	38	181	5117	Shine-bulag arik		Occur	48	42	0	114	9	0	Brown coal		Fuel Resuorces	82, 412, 3645, 4938
	39	182	02476	Herlen goliin		Occur	48	40	0	114	45	0	Limestone		Rocks for Construction Uses	412

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
XXYI	40	183	03539	Oertoee uul		Occur	49	18	50	115	26	45	Sand		Rocks for Construction Uses	4938
	41	184	04576	Oertoee uul-2		Occur**	49	17	25	115	26	50	Clays /mad/		Rocks for Construction Uses	4938
	42	185	03529 04584	Dund hyart nuur		Occur**	49	17	10	115	34	0	Colored Clay Pigments		Mineral Pigments	4938
	43	186	5496	Unnamed /Hongor uul/		Occur	49	11	30	115	15	0	Brown coal		Fuel Resources	4208
	44	187	5497	Ulaan honhor		Occur	49	8	50	115	18	20	Brown coal		Fuel Resources	3645, 4208, 4938
	45	188	5498	Uehert nuur		Occur	49	7	40	115	18	50	Brown coal		Fuel Resources	3645, 4208, 4938
	46	189		Havirga		Occur	48	52	0	115	9	0	Brown coal		Fuel Resources	4208
	47	190	5103	Utaat minjueur arshaan	Dep		48	45	0	115	5	0	Brown coal		Fuel Resources	3645, 4208
	48	191		Utaat minjueur arshaan	Dep		48	44	0	115	7	0	Sodium Sulfate Resources		Continental Lake Evaporates	412, 2081, 4938
49	192	04571	Gurvan ovoot tolgoi		Occur	48	40	50	115	36	40	Perlite		Rocks for Construction Uses	4942, 4938	
XXXI	50	193	840	Araltuin hudag	Dep		48	39	0	114	48	20	Limestone /silicates/	marbled	Rocks for Construction Uses	1594, 1863, 2307,4839
	51	194		Toson nuur		Occur	48	28	20	114	57	12	Sodium Sulfate Resources,Soda Ash		Continental Lake Evaporates	2106.4938
	52	195	5516	Buuiin hudag		Occur	48	27	0	114	20	0	Oil shale		Fuel Resources	3645, 62, 412,4938
	53	196		Baruun bayan	Dep		48	26	32	114	22	0	Clays /mad/		Rocks for Construction Uses	3218
	54	197		Unnamed-I /Zueun bayan nuur/	Dep		48	26	0	114	7	0	Sodium Sulfate Resources		Continental Lake Evaporates	527, 1663
	55	198	1042	Unnamed-II /Baruun bayan nuur/	Dep		48	25	0	114	5	0	Sodium Sulfate Resources		Continental Lake Evaporates	527, 1663
	56	199	5111	Ehiin hudag		Occur	48	23	40	114	12	45	Clays /mad/		Rocks for Construction Uses	3218
	57	200	5106	Baruun davsan nuur		Occur	48	21	0	114	37	0	Halite	Sodium Sulfate Resources	Continental Lake Evaporates	1058
58	201	5112	Shar buerd	Dep		48	19	0	114	30	0	Sodium Sulfate Resources,Soda Ash		Continental Lake Evaporates	412,483, 1663, 4938	
59	202	927	Zueun oelziit nuur	Dep		48	12	0	114	41	0	Sodium Sulfate Resources	Soda Ash	Continental Lake Evaporates	412, 4938	

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
XXXI	60	203	00446	Hoshuu		Occur	48	11	0	114	2	0	Brown coal		Fuel Resuorces	2462
	61	204	05110	Unnamed /Baruun oelziit/		Occur	48	10	30	114	37	0	Brown coal		Fuel Resuorces	4938
	62	205	5115	Baruun oelziit	Dep		48	10	0	114	39	0	Sodium Sulfate Resources,Soda Ash		Continental Lake Evaporates	4224, 4938
	63	206		Aduun chuluun	Dep		48	10	0	114	39	0	Sand /silicates/		Rocks for Construction Uses	4938
	64	207	2009	Aduun chuluun	Dep***		48	8	6	114	31	30	Brown coal	uran, german	Fuel Resuorces	2654,630, 1554,1668, 3645, 4938, 4590
	65	208	111	Caidam nuur		Occur	48	8	25	114	20	30	Clays /mad/		Rocks for Construction Uses	3218, 5421
	66	209		Bayanbulag	Dep		48	6	0	114	20	0	Brown coal		Fuel Resuorces	82,559, 3645 , 4938
	67	210		Gueur	Dep		48	5	0	114	34	0	Sand /mad/		Rocks for Construction Uses	4669, 4246
	68	211	839	Choibalsan	Dep		48	3	1	114	25	0	Stone, Crushed		Rocks for Construction Uses	1594
	69	212	825	Baruun oelziit	Dep		48	4	0	114	37	0	Stone, Crushed		Rocks for Construction Uses	2279
	70	213	763	Shar honhor	Dep		48	1	55	114	28	4	Clays /mad/	sand	Rocks for Construction Uses	1594, 1649,2523
	71	214	816	Herlen	Dep		48	1	41	114	25	0	Sand /silicates mad/		Rocks for Construction Uses	1594,1865,2307
	72	215	999	Choibalsan		Occur	48	1	0	114	32	0	Sand		Rocks for Construction Uses	1594, 1649
73	216	815	Herlen-II	Dep		48	0	0	114	35	0	Sand		Rocks for Construction Uses	1594	
XXXII	74	217	04593	Hyalgant uul		Occur	48	32	0	115	32	0	Brown coal		Fuel Resuorces	4938
	75	218	00002	Bauasgalant ovoo		Occur	48	12	0	115	3	0	Sand		Rocks for Construction Uses	4410
	76	219	5099	Hoevoer bulag		Occur	48	10	0	115	1	0	Brown coal		Fuel Resuorces	3645,412, 294, 4938

Explanation Dep\*\*\* - Deposit is in operation  
Occur\*\* - Occurrence without estimated reserves, but is exploited from the Surface  
Passport No: 825 - Deposit passport  
02471 - occurrence passport