

Preliminary Table of Lode and Occurrences of Altay-Sayan Region and Adjacent Areas, Eastern Siberia, Russia

By Alexander A. Obolenskiy, Elimir G. Distanov, and Vitaliy I. Sotnikov
(United Institute of Geology, Geophysics, and Mineralogy,
Russian Academy of Sciences, Novosibirsk, Russia)

INTRODUCTION

This report is a preliminary tabular compilation of the significant metalliferous and selected non-metalliferous lode deposits and occurrences of Eastern Siberia, Russia. The mineral deposit and occurrence data were compiled from the following sources:

Mineral Resources of Russia. Electronic map of mineral resources of Russia and adjacent states, 1996, Regional Survey Department of the "Roscomnedra" (CD-ROM format)

Siberian and Far East Geology and Environment Database, SIBERGEN, Issue 1-6, 1995-1997, UIGGM SB RAS, Novosibirsk (CD-ROM format) (<http://proxy.uiggm.nsc.ru/lws-english2>)

Map of Mineral Resources of Russia and Adjacent Countries (in the Former USSR Boundaries) scale 1 5,000 000 (Brief explanatory notes), Saint-Petersburg, 1992.

The mineral deposit and occurrence data are being compiled as part of a project on the Mineral Resources, Metallogenesis, and Tectonics of Eastern and Southern Siberia, Mongolia, Northeast China, South Korea, and Japan. For additional information on the project, please refer to the companion project summary by Nokleberg (this volume). In future publications for the associated project, the descriptions of the significant and major mineral deposits will be expanded.

DEFINITIONS

The following key definitions are provided.

Deposit. A general term for any lode or placer mineral occurrence, mineral deposit, prospect, and (or) mine.

Mine. A site where valuable minerals have been extracted.

Occurrence. A site of potentially valuable minerals on which no visible exploration has occurred, or for which no grade and tonnage estimates have been made.

Prospect. A site of potentially valuable minerals in which excavation has occurred.

CLASSIFICATION OF MINERAL DEPOSITS

Preliminary classifications of mineral deposit types (model) are assigned to the mineral deposit and occurrence data herein compiled. For a general discussion of the methodology of mineral deposit models, please refer to the articles by Eckstrand (1984), Cox and Singer (1986), Nokleberg and others (1987, 1993, 1994a, b, 1997), Kuznetsov and others (1966), Metallogeny ... (1976), Pokalov (1992), Sotnikov and others (1977), Genetic models... (1983), Ore-formation and genetic models... (1988).

DESCRIPTIONS OF HEADINGS FOR TABULAR DESCRIPTIONS FOR SIGNIFICANT LODGE DEPOSITS AND PLACER DISTRICTS

Map Number, Name, Major Metals, Minor Metals

A latitude and longitude location is stated for each deposit in degrees and minutes. Names of lode deposits are derived from published sources or common usage. Metals are reported for each deposit, and are listed in order of decreasing abundance and (or) value, and are shown by standard chemical symbols.

Lode Deposit Type

Type of lode deposit, or lode deposit model is an interpretation that was made by examining the summary of the deposit and then classifying the deposit using the deposit models previously described. The type is queried where insufficient description precludes precise determination. For a few deposits, the closest two deposit models are listed.

Abbreviations in Tables

Standard chemical symbols: for example, Au, gold; Cu, copper; Fe, iron; U, uranium
PGE: Platinum-group elements--minerals and alloys
REE: Rare-earth elements

REFERENCES CITED

- Cherezov, A.M., Shirokih, I.N., Vaskov, A.S., 1992, Structure and zonality of lode hydrothermal deposits in the tension zones: Nauka, SB, Novosibirsk, 103 p.
- Cox, D.P., and Singer, D.A., eds., 1986, Mineral deposit models: U.S. Geological Survey Bulletin 1693, 379 p.
- Distanov, E.G., Obolenskiy, A.A., Kochetkova, K.V., and Borisenko, A.S., 1977, Udereiskoye antimony deposit in the Eniseysk Ridge: Geology and Genesis of Ore Deposits of South Siberia, Nauka SB, p.5-32. (in Russian).
- Eckstrand, O.R., 1984, Canadian mineral deposit types: A geological synopsis: Geological Survey of Canada Economic Geology Report 36, 86 p.
- Firsov, L.V., 1985, Gold-quartz formation at Yana-Kolimsk belt: Nauka, Novosibirsk, 216 p. (in Russian).
- Indolev, Z.N., Zhdanov, Y.J., and Supletsov, V.M., 1980, Antimony mineralization of Verhojno-Kolimsk province: Nauka, Novosibirsk, 232 p. (in Russian).
- Kuznetsov, V.A., Distanov, E.G., Obolenskiy, A.A., Sotnikov, V.I., and Tichinskiy, A.A., 1966, Basis of formational analysis of endogenous metallogeny of Altay-Sayan region: Nauka, Novosibirsk, 155 p. (in Russian).
- Kuznetsov, V.A., ed., 1983, Genetic models of the endogenous ore associations: Nauka, Novosibirsk, no. 177, v. 1, 2, 176 p. (in Russian).
- Malinovskiy, E.P., 1965, Structural environment of formation of tungsten lode deposits: Nauka, Moscow, 163 p. (in Russian).
- Mazurov, M.P., 1985, Genetic models of skarn iron-ore formations: Nauka, Novosibirsk, 183 p. (in Russian).
- Metallogeny of mercury, 1976, Nedra, Moscow, 256 p. (in Russian).
- Nokleberg, W.J., Bundtzen, T.K., Berg, H.C., Brew, D.A., Grybeck, Donald, Robinson, M.S., Smith, T.E., Yeend, Warren, 1987, Significant metalliferous lode deposits and placer districts of Alaska: U.S. Geological Survey Bulletin 1786, 104 p., 2 plates, scale 1:5, 000, 000.
- Nokleberg, W.J., Bundtzen, T.K., Berg, H.C., Brew, D.A., Grybeck, Donald, Robinson, M.S., Smith, T.E., Yeend, Warren, 1994a, Metallogeny and major mineral deposits of Alaska, *in* Plafker, G. and Berg, H.C., eds., The Geology of Alaska: Boulder, Colorado, Geological Society of America: The Geology of North America, v. G1, p. 855-904.
- Nokleberg, W.J., Bundtzen, T.K., Berg, H.C., Brew, D.A., Grybeck, Donald, Robinson, M.S., Smith, T.E., Yeend, Warren, and 54 contributors, 1994b, Metallogenic map of significant metalliferous lode deposits and placer districts of Alaska, *in* Plafker, G. and Berg, H.C., eds., The Geology of Alaska: Boulder, Colorado, Geological Society of America: The Geology of North America, v. G1, Plate 11, scale 1:2, 500, 000.
- Nokleberg, W.J., Bundtzen, T.K., Dawson, K.M., Eremin, R.A., Goryachev, N.A., Koch, R.D. Ratkin, V.V., Rozenblum, I.S., Shpikerman, V.I., Frolov, Y.F., Gorodinsky, M.E., Melnikov, V.D., Ognyanov, N.V., Petrachenko, E.D., Petrachenko, R.I., Pozdeev, A.I., Ross, K.V., Wood, D.H., Grybeck, Donald, Khanchuck, A.I., Kovbas, L.I., Nekrasov, I.Ya., Sidorov, A.A., 1993, Significant metalliferous lode deposits and placer districts for the Russian Far East, Alaska, and the Canadian Cordillera: U.S. Geological Survey Open-File Report 96-513-A (paper format), 385 p.; U.S. Geological Survey Open-File Report 96-513-B (CD-ROM format).
- Nokleberg, W.J., Bundtzen, T.K., Dawson, K.M., Eremin, R.A., Goryachev, N.A., Koch, R.D. Ratkin, V.V., Rozenblum, I.S., Shpikerman, V.I., Frolov, Y.F., Gorodinsky, M.E., Melnikov, V.D., Diggles, M.F., Ognyanov, N.V., Petrachenko, E.D., Petrachenko, R.I., Pozdeev, A.I., Ross, K.V., Wood, D.H., Grybeck, Donald, Khanchuk, A.I., Kovbas, L.I., Nekrasov, I.Ya., and Sidorov, A.A., 1997, Significant metalliferous lode deposits and placer districts for the Russian Far East, Alaska, and the Canadian Cordillera: U.S. Geological Survey Open-File Report 96-513-B, 1 CD.
- Obolenskiy, A.A., 1985, Genesis of deposits Mercury ore formation: Nauka, Novosibirsk, 194 p. (in Russian).
- Obolenskiy, A.A., Sotnikov, and V.I., Sharapov, V.N., eds., 1988, Ore-formation and genetic models of the endogenous ore associations. Nauka, Novosibirsk, 344 p. (in Russian).
- Pokalov, V.T., 1992, Ore magmatic systems of hydrothermal deposits: Nedra, Moscow, 288 p. (in Russian).
- Ponomarev, V.G., 1987, Stratiform lead-zinc mineralization in carbon-bearing series of Siberian stratiform ore deposits: Nauka, Moscow, p. 127-134. (in Russian).
- Ponomarev, V.G., and Zabiroy, Yu.A., 1988, Prospecting features and estimation criteria of the lead-zinc mineralization of the Yenisei Ridge, Nauka, Novosibirsk, 141 p. (in Russian).
- Sinyakov, V.I., 1988, Iron-ore formation of Siberia: Nauka, Novosibirsk, 81 p. (in Russian).
- Sotnikov, V.I., Berzina, A.P., and Nikitina, E.I., 1977, Copper-molybdenum ore formation: Nauka, Novosibirsk, 422 p. (in Russian).

Sotnikov, V.I., Berzina, A.P., Zhamsran, M., Garamzhav, D., and Bold, D., 1985, Copper-bearing formations of Mongolia: Nauka, Novosibirsk, 216 p. (in Russian).

Vorontsov, I.M., Rakhmanov, V.P., 1978, Manganese deposit ore deposits of the USSR; Nedra, Moscow, p.112-172. (in Russian).

Name	Latitude	Longitude	Deposit Model	Major Metals	Minor Metals
Abagasskoye	53 16 N	89 34 E	Fe skarn	Fe	
Abakanskoye	52 41 N	90 04 E	Fe skarn	Fe	
Actovrak	51 17 N	90 57 E	Serpentine-hosted asbestos	Asbestos	
Agashskoye	50 19 N	97 66 E	Granitoid-related Ta-Nb-REE	Ta, Nb, REE	
Agaskyrskoye	54 59 N	89 20 E	Porphyry Mo	Mo	
Agulskoye	54 45 N	96 21 E	Porphyry Cu-Mo	Mo	
Akalakhinskoye	49 45 N	87 06 E	Granitoid-related Ta-Nb-REE	Li	Ta, Nb, REE
Akkemskoye	49 76 N	86 78 E	W-Mo vein	Mo	
Akolskoye	51 80 N	92 25 E	Co-Ni-arsenide vein	Ag, Sb	
Aksug	53 43 N	96 57 E	Porphyry Cu-Mo	Cu	Mo
Aktashskoye	50 20 N	87 20 E	Carbonate-hosted Hg	Hg	
Alexandrovskoye	51 77 N	83 85 E	W-Mo vein	W	
Alexandrovskoye	53 09 N	85 89 E	Laterite Ni	Ni	
Alga	54 88 N	92 55 E	Carbonate-hosted polymetallic sulfide	Pb, Zn	
Alguiskoye	53 70 N	88 97 E	Talc replacement	Talc	
Ampalyk	55 48 N	86 54 E	Fe skarn	Fe	
Anakitskoye	64 65 N	90 94 E	Fe skarn (Angara-Ilim type)	Fe	
Andrushkina River	55 27 N	89 00 E	Magmatic nepheline	Al	
Anzass	52 12 N	89 18 E	Fe skarn	Fe	
Argalik	50 52 N	94 35 E	Granitoid-related Au	Au	
Arylakh River	70 48 N	90 67 E	Mafic-ultramafic-Cu-Ni	Cu	
Arylakhskoye	70 42 N	90 50 E	Basaltic Cu	Cu	Ag
Aryskanskoye	50 30 N	95 27 E	Banded iron formation (BIF)	Fe	
Aryskanskoye	53 20 N	96 41 E	REE albitite	REE	Nb, Ta, Zr, Hf
Arzaskoye	51 52 N	93 37 E	Volcanic-hosted Hg	Hg	
Atavinskoye 1	58 95 N	103 84 E	Fe skarn (Angara-Ilim type)	Fe	
Ayakhta	59 22 N	94 08 E	Au quartz vein	Au	
Azkizskoye	53 08 N	90 13 E	Rhodusite-asbestos	Asbestos	
Bakcharskoye	56 54 N	82 21 E	Sedimentary Fe	Fe	V
Bakhtinskoye	63 28 N	91 04 E	Fe skarn (Angara-Ilim type)	Fe	
Balakhchino	54 10 N	89 33 E	Granitoid-related Au	Au	
Baliktigkhem	50 36 N	89 99 E	W-Sn greisen	Sn	
Balyksa	53 47 N	89 19 E	Mo-W skarn	Mo	
Barandatskoye	55 78 N	89 20 E	Sedimentary siderite Fe	Fe	
Barginskoye	56 11 N	94 58 E	Li-Sn-Be pegmatite	Be	
Barzasskoye	55 75 N	86 68 E	Bauxite (karst type)	Al	
Batunkovskoye	51 70 N	85 25 E	W-Mo vein	W	
Bayangol	50 06 N	96 61 E	Li-Sn-Be pegmatite	Li	
Bayan-Kol	50 50 N	96 68 E	Magmatic nepheline	Al	
Bazikskoye	53 28 N	90 33 E	Carbonate-hosted polymetallic sulfide	Cu, Pb, Zn	
Bedobinskoye	58 80 N	97 21 E	Sediment-hosted Cu	Cu	
Beiskoye	53 60 N	90 23 E	Porphyry Mo	Mo	
Belinskoye	53 19 N	85 90 E	Laterite Ni	Ni	
Belkinskoye	52 65 N	88 35 E	Sedimentary phosphate	P	
Belogorskoye	55 13 N	88 60 E	Magmatic nepheline	Al	
Belokitatskoye	53 95 N	95 61 E	Volcanogenic-sedimentary Fe	Fe	
Belo-Osipovskoye	55 06 N	87 30 E	Volcanic-hosted Hg	Hg	
Beloretzkoye	51 02 N	82 50 E	Fe skarn	Fe	

Name	Latitude	Longitude	Deposit Model	Major Metals	Minor Metals
Beloretskoye	50 77 N	83 00 E	Be skarn	Be	W
Berdsko-Maiskoye	54 33 N	85 12 E	Bauxite (sedimentary type)	Al	
Beryambinskoye	58 38 N	99 53 E	Fe skarn (Angara-Ilim type)	Fe	
Beryozovskoye	54 48 N	93 03 E	Fe skarn	Fe	
Bilchany River	61 80 N	93 08 E	Mafic-ultramafic Cu-Ni	Cu	
Birulinskoye	76 10 N	94 45 E	Li-Sn-Be pegmatite	Be	
Bogunai	56 20 N	94 58 E	Au quartz vein	Au	
Bolgokhtonskoye	68 35 N	86 83 E	Porphyry Cu	Cu	
Bolshepitskoye	59 25 N	93 90 E	Polymetallic vein	Pb, Zn	
Bor-Uryakh I	70 01 N	102 26 E	Fe-Ti carbonatite	Fe, Ti	Nb, Zr
Burginskoye	49 97 N	96 86 E	Li-Sn-Be pegmatite	Li	
Burlujskoye	54 03 N	93 07 E	Fe skarn	Fe	
Butrakhtinskoye	52 77 N	90 10 E	Co-Ni-As vein	Co, Cu	
Centralnoye	55 20 N	87 66 E	Granitoid-related Au	Au	
Chabechete Lake	68 77 N	87 58 E	Mafic-ultramafic Cu-Ni	Cu, Co	
Chagan-Burgazy	49 67 N	88 60 E	Polymetallic vein	Pb	Ag
Chagan-Uzunskoye	50 07 N	88 15 E	Silica-carbonate (listwandite) Hg	Hg	
Chagyrskoye	51 48 N	83 21 E	Carbonate-hosted polymetallic sulfide	Pb, Zn	Cu, Ag
Chapomi River	70 42 N	92 00 E	Mafic-ultramafic Cu-Ni	Cu	
Chapsordag	53 18 N	90 48 E	Barite vein	barite	
Chazadyrskoye	50 40 N	90 45 E	Silica-carbonate (listwandite) Hg	Hg	
Cheremshanskoye	51 44 N	85 29 E	Carbonate-hosted Hg	Hg	
Cherepanovskoye	51 18 N	82 31 E	Volcanogenic massive sulfide (Altay-type)	Pb, Zn	
Chergak	51 07 N	91 00 E	Co-Ni-As vein	Co, Ni	Cu
Chernaya Gora	69 18 N	88 33 E	Mafic-ultramafic Cu-Ni	Cu, Ni	Co, PGE
Chernukhinskoye	51 67 N	83 98 E	W-Mo vein	W	
Chesnokovskoye	51 10 N	83 46 E	Fe skarn	Fe	
Chikskoye	50 15 N	96 73 E	Magmatic nepheline	Al	
Chilanskoye	52 61 N	89 95 E	Volcanogenic-sedimentary Fe	Fe	
Chindagatuiskoye	49 24 N	86 59 E	W-Mo greisen	W, Mo	
Chopko River	70 17 N	92 75 E	Mafic-ultramafic Cu-Ni	Cu, Ni	Co
Chuktukonskoye	59 43 N	98 97 E	REE-Ta-Nb carbonatite	REE	Th
Dahu-Eurskoye	50 36 N	96 77 E	Magmatic nepheline	Al	
Dalneye	52 00 N	96 08 E	Volcanogenic massive sulfide (Altay-type)	Zn, Pb	Cu
Daschkhemskeye	53 30 N	96 90 E	Porphyry Mo	Mo	
Degen River	66 73 N	89 80 E	Mafic-ultramafic Cu-Ni	Cu	Co
Detalnoye	59 00 N	92 43 E	Carbonate-hosted Hg	Hg	
Djotskoye	54 33 N	93 05 E	Weathering crust Mn	Mn	
Dolgozhdannoye	58 23 N	94 20 E	Bauxite (karst type)	Al	
Durnovskoye	54 65 N	84 28 E	Volcanogenic-sedimentary Mn	Mn	Au
Dzhetskoye	54 37 N	93 15 E	Porphyry Cu-Mo	Mo	
Eldorado	60 13 N	93 28 E	Au quartz vein	Au	
Elgentagskoye	53 16 N	89 34 E	Fe skarn	Fe	
Eligkhem	50 91 N	92 73 E	Granitoid-related Au	Au	
Eloguiskoye	62 53 N	85 85 E	Sedimentary Fe	Fe	
Enashiminskoye	59 48 N	92 47 E	Fe skarn	Fe	
Enashiminskoye	59 92 N	92 95 E	Au-Sb in clastic-carbonate rocks	Au, Sb	W
Enashiminskoye	60 03 N	93 01 E	Li-Sn-Be pegmatite	Be, Li, Sn	
Ergalakh River	69 05 N	87 12 E	Mafic-ultramafic Cu-Ni	Cu	Co

Name	Latitude	Longitude	Deposit Model	Major Metals	Minor Metals
Essey 1	69 27 N	102 25 E	Fe-Ti carbonatite	Fe, Ti	
Fatyanichinskoye	64 17 N	88 45 E	Graphite metamorphic	Graphite	
Fedotovskoye	55 35 N	87 35 E	Granitoid-related Au	Au	
Gavrilovskoye	55 40 N	88 14 E	Granitoid-related Au	Au	
Geologicheskaya Gryada	74 30 N	92 44 E	Magmatic Cr	Cr	
Gerfedskoye	58 70 N	94 23 E	Au quartz vein	Au	
Glafirinskoye	54 11 N	89 65 E	Cu skarn	Cu	Mo
Goltsovoye	58 37 N	94 05 E	W-Sn greisen	W, Sn	
Gorevskoye	58 12 N	93 50 E	Sedimentary-exhalative Pb-Zn (SEDEX) in clastic-carbonate rocks	Pb, Zn	
Goriachegorskoye	55 34 N	88 84 E	Magmatic nepheline	Al	
Graviinskoye	67 58 N	86 83 E	Sediment-hosted Cu	Cu	
Grigorevskoye	60 47 N	93 05 E	Polymetallic vein	Ag	
Gromotukhinskoye	54 91 N	88 16 E	Granitoid-related Au	Au	
Gulinskoye 1	71 00 N	101 80 E	Fe-Ti carbonatite	Fe, Ti	
Gulinskoye 1	70 86 N	101 26 E	REE-Ta-Nb carbonatite	Ta, Nb, REE	
Gulinskoye 1	70 90 N	101 25 E	Phlogopite carbonatite	Phlogopite	
Guryevskoye	62 25 N	92 17 E	Sedimentary phosphate	P	
Hovu-Aksinskoye	51 15 N	93 72 E	Co-Ni-arsenide vein	Co, Ni	Ag, Bi
Igr-Golskoye	53 40 N	90 07 E	Carbonate-hosted polymetallic sulfide	Pb, Zn	
Ilimpeiskoye 1	61 67 N	105 52 E	Fe skarn (Angara-Ilim type)	Fe	
Ilinskoye	58 89 N	94 08 E	Mo-W skarn	Mo, W	
Ilistaya River	74 83 N	92 53 E	Porphyry Cu	Cu	
Ilyinskoye	51 48 N	85 07 E	Sedimentary exhalative (SEDEX) Pb-Zn in clastic-carbonate rocks	Pb, Zn	
Imangdinskoye	69 12 N	89 58 E	Mafic-ultramafic Cu-Ni	Cu, Ni	Co, PGE
Inskoye	51 04 N	83 15 E	Fe skarn	Fe	
Ipchulskoye	54 40 N	89 23 E	Porphyry Mo	Mo	
Irbinskoye	54 00 N	92 53 E	Fe skarn	Fe	
Iriaas 1	70 20 N	105 33 E	Fe-Ti carbonatite	Fe, Ti	
Isakovskoye	60 35 N	91 16 E	Banded iron formation (BIF)	Fe	
Isakovskoye	60 53 N	91 14 E	Granitoid-related Ta-Nb-REE	Ta, Nb, Be	
Ishimbinskoye	59 05 N	94 47 E	Sedimentary Fe	Fe	
Ityuiskoye	53 53 N	89 92 E	Cu skarn	Cu, Mo	
Ivankinskoye	51 68 N	84 46 E	W-Mo vein	W	
Iverskoye	56 09 N	86 56 E	Sedimentary siderite Fe	Fe	
Izvilistaya River	74 14 N	92 01 E	Carbonate-hosted Hg	Hg	
Izykhgolskoye	53 20 N	89 12 E	Fe skarn	Fe	
Izykhskoye	53 58 N	93 09 E	Fe skarn	Fe	
Jaryshkol	51 45 N	88 15 E	Fe skarn	Fe	
Julia Mednaya	54 25 N	90 43 E	Cu skarn	Cu	Mo
Kaivinskoye	54 01 N	89 38 E	W-Mo vein	W	
Kalgutinskoye	49 19 N	88 07 E	Volcanogenic-sedimentary Fe	Fe	
Kalgutinskoye	49 23 N	88 04 E	W-Mo vein	W	
Kamenushinskoye	54 32 N	85 76 E	Porphyry Cu	Cu	
Kamyshenskiy Baikitik	61 55 N	93 15 E	Fe skarn (Angara-Ilim type)	Fe	
Kamyshtinskoye	53 28 N	90 44 E	Porphyry Cu-Mo	Mo	
Kanskoye	56 18 N	94 13 E	Granitoid-related Mo-W	Mo	
Kapchalskoye	53 54 N	91 76 E	Barite vein	Barite	

Name	Latitude	Longitude	Deposit Model	Major Metals	Minor Metals
Kara-Adyr	50 20 N	96 61 E	Li-Sn-Be pegmatite	Li	Rb, Cs
Kara-Alakha	49 32 N	87 14 E	W-Mo vein	W	
Karagem	49 91 N	87 18 E	Co skarn	Co	Cu
Karagosh	51 78 N	89 37 E	W-Mo vein	Mo	
Karasugskoye	51 32 N	92 10 E	Fe-REE carbonatite	Fe, CaF ₂	REE
Karasuk	54 30 N	98 58 E	Carbonate-hosted polymetallic sulfide	Pb, Zn	
Karaulnaya Gorka	54 37 N	93 05 E	Weathering crust Mn	Mn	
Karbai	52 01 N	90 53 E	Fe skarn	Fe	
Kayanchinskoye	52 03 N	86 94 E	Fluorspar vein	Fluorite	
Kayvinskoye	54 00 N	89 26 E	W-Mo vein	W	
Kazancevskoye	51 76 N	83 70 E	W-Mo greisen	W	
Kazandinskoye	51 27 N	84 35 E	W-Mo vein	W	
Kaznikhinskoye	51 01 N	84 05 E	Polymetallic vein	Zn, Pb, Cu	
Kazskoye	53 07 N	87 37 E	Fe skarn	Fe	
Kazymchanskoye	53 37 N	89 42 E	Carbonate-hosted polymetallic sulfide	Pb, Zn	
Kazyrskoye	53 48 N	96 15 E	Be greisen	Be, Li	
Kedranskoye	54 30 N	93 45 E	Zoned mafic-ultramafic Ti-Fe	Ti, Fe	
Kedrovskoye	53 30 N	87 33 E	Volcanic-hosted polymetallic sulfide	Pb, Zn	
Khabalykskoye	53 46 N	94 01 E	Fe skarn	Fe	
Khaileolovskoye	52 97 N	89 26 E	Fe skarn	Fe	
Kharadzulskoye	52 80 N	90 00 E	Co-arsenide polymetallic vein	Co	Cu
Khariuzikhinskoye	60 77 N	90 66 E	Li-Sn-Be pegmatite	Be	
Khariuzikhinskoye	60 71 N	90 56 E	Volcanogenic Cu-Zn massive-sulfide (Ural Mountains-type)	Cu, Zn	
Kharlinskoye	50 54 N	96 58 E	Magmatic nepheline	Al	
Kharlovskoye	51 40 N	82 51 E	Zoned mafic-ultramafic Ti-Fe	Fe, Ti	V
Khartynskoye	50 02 N	96 24 E	Li-Sn-Be pegmatite	Li	Rb, Cs
Kholzunskoye	50 13 N	84 23 E	Volcanogenic-sedimentary Fe	Fe	
Khrustalnoye	60 68 N	102 27 E	Island spar hydrothermal	Island spar	
Kichetskoye	57 48 N	96 03 E	Fe skarn (Angara-Ilim type)	Fe	
Kiiskoye	59 17 N	91 32 E	Weathering crust of carbonatites	Zr, Nb, Li	
Kirgiteiskoye	58 42 N	94 72 E	Bauxite (karst type)	Al	
Kirgiteiskoye	58 42 N	94 80 E	Talc replacement	talc	
Kiyalykh-Uzen	54 37 N	89 92 E	Cu skarn	Cu	Mo
Kiya-Shaltyr	55 00 N	88 35 E	Magmatic nepheline	Al	
Kliminskoye	58 59 N	98 45 E	Fe skarn (Angara-Ilim type)	Fe	
Kok-Kolskoye	49 42 N	86 46 E	W-Mo greisen	W, Mo	
Koksinskoye	50 25 N	84 14 E	Volcanogenic-sedimentary Fe	Fe	
Kolivanskoye	55 19 N	82 45 E	Li-Sn-Be pegmatite	Sn	
Kolivanskoye	51 18 N	82 64 E	W-Mo greisen	W	
Kolomeitseva River	75 30 N	95 55 E	Granitoid-related Mo-W	Mo	
Kolpashevskoye	58 00 N	82 32 E	Sedimentary Fe	Fe	V
Koly River	66 58 N	89 93 E	Mafic-ultramafic Cu-Ni	Cu	Co
Komdalskoye	63 10 N	91 85 E	Fe skarn (Angara-Ilim type)	Fe	
Kommunar	54 33 N	89 25 E	Granitoid-related Au	Au	
Komsomolskoye	55 58 N	88 15 E	Granitoid-related Au	Au	
Kondakovskoye	58 00 N	94 04 E	Li-Sn-Be pegmatite	Be	
Konstantinovskoye	54 40 N	93 65 E	Granitoid-related Au	Au	
Korbalihinskoye	51 18 N	82 22 E	Volcanogenic massive sulfide (Altay-type)	Zn, Pb, Cu	Ag

Name	Latitude	Longitude	Deposit Model	Major Metals	Minor Metals
Korgere-Daba	50 05 N	97 20 E	Magmatic nepheline	Al	
Korgon	50 91 N	83 85 E	Volcanogenic-sedimentary Fe	Fe	
Krasnogorskoye	50 09 N	88 40 E	Silica-carbonate (listwandite) Hg	Hg	
Krasnoyarskoye	50 86 N	84 21 E	Polymetallic vein	Pb, Zn	
Kruchkovskoye	50 87 N	81 84 E	Volcanogenic massive sulfide (Altay-type)	Pb, Zn	
Krutoye	58 49 N	93 08 E	Sedimentary exhalative (SEDEX) Pb-Zn in clastic-carbonate rocks	Zn, Pb	
Krutoye (Gonchak)	64 09 N	99 21 E	Island spar hydrothermal	Island spar	
Kugda 1	70 77 N	103 47 E	Fe-Ti carbonatite	Fe, Ti	Nb, Zr
Kukshinskoye	53 14 N	94 28 E	Clastic sediment-hosted Hg	Hg	
Kulbich	51 68 N	86 76 E	Porphyry Cu-Mo	Cu	
Kul-Taiga	52 59 N	89 04 E	Zoned mafic-ultramafic Ti-Fe	Ti, Fe	
Kumgi River	89 40 N	70 27 E	Mafic-ultramafic Cu-Ni	Cu	
Kunarskoye 1	77 63 N	104 00 E	Granitoid-related Au	Au	
Kundatskoye	55 45 N	88 16 E	Granitoid-related Au	Au	
Kungasalakh 1	74 78 N	107 47 E	Mafic-ultramafic Cu-Ni	Cu	
Kupriyanovskoye	55 20 N	86 51 E	Volcanic-hosted Hg	Hg	
Kureiskoye	66 55 N	88 14 E	Fe skarn (Angara-Ilim type)	Fe	
Kureiskoye	66 90 N	88 33 E	Graphite metamorphic	Graphite	
Kurgusulskoye	55 20 N	88 64 E	Magmatic nepheline	Al	
Kurishskoye	56 52 N	94 96 E	Sediment-hosted Cu	Cu	
Kuskunug	50 63 N	96 40 E	Serpentine-hosted asbestos	Asbestos	
Kuzeevskoye	56 72 N	93 97 E	Au quartz vein	Au	
Kysyl-Tashskoye	52 22 N	95 47 E	Volcanogenic massive sulfide (Altay-type)	Zn, Pb, Cu	
Kyzyk-Chadrskoye	52 17 N	95 47 E	Porphyry Cu-Mo	Cu	Mo, Au
Kyzylchin	50 05 N	88 30 E	Polymetallic vein	Zn, Pb	
Kyzyl-Tashtygskoye	52 00 N	95 98 E	Volcanogenic massive sulfide (Altay-type)	Zn, Pb, Cu	
Lagerny cape	79 88 N	99 82 E	Mafic-ultramafic Cu-Ni	Cu	
Lama Lake	69 47 N	91 72 E	Mafic-ultramafic Cu-Ni	Cu	
Lavrenovskoye	54 15 N	88 26 E	Volcanogenic-sedimentary Fe	Fe	
Lazurskoye	51 09 N	82 42 E	Volcanogenic massive sulfide (Altay-type)	Pb, Zn	
Leiba	55 33 N	93 55 E	Carbonate-hosted polymetallic sulfide	Pb, Zn	
Lendakhskoye	58 13 N	93 55 E	Fe skarn	Fe	
Lenivaya River	74 14 N	89 30 E	Granitoid-related Mo-W	Mo	
Levoberezhnoye	58 59 N	98 37 E	Fe skarn (Angara-Ilim type)	Fe	
Levotyradinskoye	60 52 N	90 37 E	Be skarn	Be	REE, Fe
Lineinoye	58 50 N	93 46 E	Sedimentary exhalative (SEDEX) Pb-Zn in clastic-carbonate rocks	Zn, Pb	
Lodochnikov Plateau 1	76 27 N	104 18 E	Granitoid-related Mo-W	Mo	
Loktevskoye	51 24 N	81 23 E	Volcanogenic massive sulfide (Altay-type)	Pb, Zn	
Lysanskoye	54 32 N	93 45 E	Zoned mafic-ultramafic Ti-Fe	Ti, Fe	
Magan 1	70 23 N	104 40 E	Fe-Ti carbonatite	Fe, Ti	
Mainskoye	53 00 N	91 46 E	Cyprus Cu-Zn massive sulfide	Cu	
Makus	69 05 N	89 38 E	Fe skarn (Angara-Ilim type)	Fe	
Malachai-Tari 1	75 10 N	106 87 E	Polymetallic vein	Cu	
Malorastaiskoye	55 00 N	88 25 E	Fluorspar vein	Fluorite	
Malo-Shushenskoye	53 03 N	91 87 E	Granitoid-related Au	Au	

Name	Latitude	Longitude	Deposit Model	Major Metals	Minor Metals
Mamont River	75 20 N	94 30 E	Granitoid-related Mo-W	Mo	
Mamont River	75 22 N	94 53 E	Porphyry Cu	Cu	
Margoz	54 24 N	93 16 E	Fe skarn	Fe	
Martuyhinskoye	54 03 N	91 85 E	Bedded barite	Barite	
Maslenskoye	51 42 N	82 40 E	Volcanogenic massive sulfide (Altay-type)	Cu, Pb, Zn	
Mavrinskoye	54 63 N	84 69 E	Clastic sediment-hosted Hg	Hg	
Mayskoye	51 29 N	81 97 E	Volcanogenic massive sulfide (Altay-type)	Pb, Zn	
Mazulskoye	56 09 N	90 40 E	Volcanogenic-sedimentary Mn	Mn	
Medvezhie	54 35 N	93 43 E	Granitoid-related Au	Au	
Mokrinskoye	58 45 N	94 95 E	Sedimentary Fe	Fe	
Moryanikhinskoye	58 52 N	93 52 E	Stratabound carbonate-hosted Pb-Zn	Pb, Zn	
Morzhovoye	75 38 N	91 28 E	Mo-W skarn	Mo	
Mugurskoye	50 27 N	95 17 E	Banded iron formation (BIF)	Fe	
Mulchikhinskoye	51 70 N	83 95 E	W-Mo greisen	W, Mo	
Mulginskoye	54 09 N	93 17 E	Fe skarn	Fe	
Mulinskoye	59 41 N	91 78 E	Li-Sn-Be pegmatite	Be	
Munguntayga	49 98 N	89 79 E	W-Mo greisen	Mo	
Murlinoye	58 73 N	93 75 E	Bauxite (karst type)	Al	
Mutovskoye	58 60 N	95 70 E	Carbonate-hosted Hg	Hg	
Namakan I River	70 58 N	94 73 E	Mafic-ultramafic Cu-Ni	Ni	
Namakan II River	70 20 N	94 22 E	Mafic-ultramafic Cu-Ni	Ni, Cu	Co
Namakan River	70 48 N	94 48 E	Mafic-ultramafic Cu-Ni	Ni	Co
Natal'evskoye	55 68 N	87 86 E	Au skarn	Au	
Neizvestnoye	70 17 N	93 25 E	Mafic-ultramafic Cu-Ni	Cu, Ni	Co
Nerundinskoye1	59 04 N	103 98 E	Fe skarn (Angara-Ilim type)	Fe	
Nichkuryupskoye	54 02 N	89 57 E	Porphyry Mo	Mo	
Nikolaevskoye	58 78 N	94 17 E	Au quartz vein	Au	
Nirkaika-Tari 1	75 37 N	106 83 E	Polymetallic vein	Pb	
Nizhne-Angarkoye	58 27 N	94 55 E	Sedimentary Fe	Fe	
Nizhne-Gondinskoye	59 87 N	98 53 E	Sediment-hosted Cu	Cu	
Nizhne-Lakurskoye 1	60 01 N	101 55 E	Fe skarn (Angara-Ilim type)	Fe	
Nizhny Chopko	67 55 N	89 41 E	Fe skarn (Angara-Ilim type)	Fe	
Noginskoye	64 47 N	91 30 E	Graphite metamorphic	Graphite	
Norilsk I	69 28 N	88 27 E	Mafic-ultramafic Cu-Ni	Cu, Ni	Co, PGE
Norilsk II	69 28 N	88 33 E	Mafic-ultramafic Cu-Ni	Cu, Ni	Co, PGE
Novo-Berikul	55 45 N	88 18 E	Granitoid-related Au	Au	
Novogodneye	54 47 N	84 98 E	Bauxite (sedimentary type)	Al	
Novoye I	63 68 N	101 20 E	Island spar hydrothermal	Island spar	
Novo-Zolotushinskoye	50 96 N	81 45 E	Volcanogenic massive-sulfide (Altay-type)	Zn, Cu, Pb	
Obkolskoye	52 56 N	91 70 E	Be greisen	Be	
Obukhovskoye	54 15 N	84 88 E	Bauxite (sedimentary type)	Al	
Odikhincha 1	70 90 N	103 17 E	Phlogopite carbonatite	Phlogopite	
Odiноchnoye	54 20 N	93 09 E	Fe skarn	Fe	
Odrabash	53 25 N	87 35 E	Fe skarn	Fe	
Ognenskoye	58 46 N	99 23 E	Fe skarn (Angara-Ilim type)	Fe	
Oktyabrskoye	53 13 N	94 58 E	Granitoid-related Au	Au	
Oktyabrskoye	53 11 N	94 57 E	Clastic sediment-hosted Hg	Hg	
Oktyabrskoye	69 55 N	88 32 E	Mafic-ultramafic Cu-Ni	Cu, Ni	Co, PGE

Name	Latitude	Longitude	Deposit Model	Major Metals	Minor Metals
Oktyabrskoye	54 50 N	84 92 E	Bauxite (sedimentary type)	Al	
Okunevskoye	53 65 N	94 06 E	Be greisen	Be	
Oleniya Gora	59 87 N	93 09 E	Granitoid-related Mo-W	W	
Olkhovskoye	54 37 N	93 45 E	Granitoid-related Au	Au	
Olovyanny Cape	78 55 N	99 55 E	W-Sn greisen	Sn	
Olympiada	59 87 N	92 88 E	Au-Sb in clastic-carbonate rocks	Au, Sb	W
Oranzhevaya River 1	74 70 N	100 05 E	Polymetallic vein	Pb	Ag
Organovskoye	61 00 N	92 41 E	Fe skarn (Angara-Ilim type)	Fe	
Orlinogorskoye	54 13 N	85 76 E	Clastic sediment-hosted Hg	Hg	
Osinovskoye	51 72 N	84 50 E	W-Mo vein	W	
Osokinskoye	51 77 N	85 21 E	W-Mo vein	W	
Ozernaya River	79 50 N	96 87 E	Mafic-ultramafic Cu-Ni	Cu	
Ozernoye	49 83 N	89 52 E	Ag-Sb vein	Ag, Sb	Cu
Parabel- Chuzikskoye	57 38 N	80 57 E	Sedimentary Fe	Fe	V
Parbigskoye	56 48 N	80 53 E	Sedimentary Fe	Fe	V
Partizanskoye	74 70 N	99 57 E	Polymetallic vein	Pb	
Patynskoye	53 22 N	88 45 E	Zoned mafic-ultramafic Ti-Fe	Ti, Fe	V
Pertoyskoye	50 76 N	90 72 E	Volcanic-hosted polymetallic sulfide	Pb, Zn	
Pervenec	60 15 N	93 26 E	Au quartz vein	Au	
Petropavlovskoye	53 82 N	93 61 E	Fe skarn	Fe	
Pezass	54 68 N	87 76 E	Carbonate-hosted Hg	Hg	
Pezasskoye	54 78 N	87 14 E	Zeolite volcanic-hosted	Zeolite	
Pichi-Kholskoye	50 33 N	96 56 E	Magmatic nepheline	Al	
Pichi-Tastygskoye	49 87 N	97 45 E	Li-Sn-Be pegmatite	Li	
Pikhtovoye	58 51 N	99 09 E	Fe skarn (Angara-Ilim type)	Fe	
Pionerskoye	54 34 N	93 23 E	Porphyry - Mo	Mo	
Plotbistchenskoye	51 40 N	82 98 E	W-Mo vein	Mo	
Polkan Gora	58 22 N	93 55 E	Fe skarn	Fe	
Porozhinskoye	61 13 N	89 97 E	Volcanogenic-sedimentary Mn	Mn	
Porozhinskoye	58 63 N	96 68 E	Bauxite (karst type)	Al	
Poselschik	53 63 N	90 00 E	Cu skarn	Cu	Mo
Pravoberzhnoye	59 95 N	92 59 E	Clastic-sediment-hosted Sb-Au	Hg	
Prediviskoye	57 05 N	93 22 E	Banded iron formation (BIF)	Fe	
Proezdnoye	51 92 N	92 88 E	Granitoid-related Au	Au	
Proletarskoye	60 19 N	93 26 E	Au quartz vein	Au	
Proliv Krasnoy Armii	80 15 N	97 27 E	Polymetallic vein	Pb, Zn	
Pykhtun	53 07 N	87 58 E	Fe skarn	Fe	
Radyga	53 38 N	95 20 E	Be skarn	Be	
Razdolninskoye	58 24 N	94 33 E	Clastic-sediment-hosted Sb-Au	Sb	
Rostorgueve Island	74 01 N	84 28 E	Granitoid-related Mo-W	Mo	
Rubtsovskoye	51 47 N	81 50 E	Volcanogenic massive sulfide (Altay-type)	Cu, Zn, Pb	Ag
Rudakovskoye	58 22 N	94 43 E	Stratabound carbonate-hosted Pb-Zn	Pb, Zn	
Rudny Kaskad	54 18 N	93 15 E	Fe skarn	Fe	
Rudny Log	49 41 N	99 00 E	Volcanogenic-sedimentary Fe	Fe	
Salairskoye	54 23 N	85 78 E	Volcanic-hosted polymetallic sulfide	Pb, Zn	Ag, Au
Samasik River	70 13 N	94 50 E	Basaltic Cu	Cu	Co
Samson	54 67 N	91 08 E	Fe skarn	Fe	
Sarala	54 65 N	88 63 E	Granitoid-related Au	Au	

Name	Latitude	Longitude	Deposit Model	Major Metals	Minor Metals
Sarasinskoye	51 77 N	85 50 E	Carbonate-hosted Hg	Hg	
Sary-Gimatei	50 25 N	90 00 E	Stratabound carbonate-hosted Pb-Zn	Pb, Zn	
Sayanskoye	52 48 N	93 73 E	Serpentine-hosted asbestos	Asbestos	
Seibinskoye	54 35 N	93 05 E	Weathering crust Mn	Mn	
Seibinskoye	54 67 N	93 52 E	Weathering crust phosphate	P	
Semeno-Krasilovskoye	53 53 N	85 58 E	Bauxite (karst type)	Al	
Semenovskoye	51 98 N	82 48 E	Volcanogenic massive sulfide (Altay-type)	Zn, Pb, Cu	Ag
Semiluzhinskoye	56 37 N	85 24 E	Sb-Au vein	Sb, Au	
Serebryany Brook	68 70 N	87 07 E	Mafic-ultramafic Cu-Ni	Cu	Co
Seveligskoye	49 92 N	96 88 E	Li-Sn-Be pegmatite	Li	
Severnaya River	66 05 N	89 02 E	Fe skarn (Angara-Ilim type)	Fe	
Severnaya River	66 58 N	89 50 E	Mafic-ultramafic Cu-Ni	Cu	Co
Shalym	52 51 N	87 57 E	Fe skarn	Fe	
Sheregesh	52 55 N	87 57 E	Fe skarn	Fe	
Shirgaita	51 20 N	85 26 E	Sedimentary exhalative (SEDEX) Pb-Zn in clastic-carbonate rocks	Pb, Zn	
Shtellinga Cape	75 37 N	90 50 E	Li-Sn-Be pegmatite	Be	
Shukbulskoye	50 40 N	96 61 E	Li-Sn-Be pegmatite	Li	
Sinyukhinskoye	51 92 N	86 68 E	Au skarn	Au	
Sitikskoye	55 79 N	93 58 E	Volcanic-hosted Hg	Hg	
Skala Suslova	64 18 N	99 31 E	Island spar hydrothermal	Island spar	
Sokhatinoye	58 78 N	94 02 E	Bauxite (karst type)	Al	
Sorminskoye	53 88 N	90 45 E	Bedded barite	Barite	
Sorskoye	54 00 N	90 12 E	Porphyry Mo	Mo	Cu
Sovetskoye	60 38 N	93 04 E	Au quartz vein	Au	
Spasskoye	54 22 N	89 10 E	W-Mo vein	W	
Sputnik 1	58 95 N	103 86 E	Fe skarn (Angara-Ilim type)	Fe	
Srednee	51 18 N	82 11 E	Volcanogenic massive sulfide (Altay-type)	Pb, Zn	Ag
Sredne-Tatarskoye	58 68 N	93 88 E	Bauxite (karst type)	Al	
Staro-Berikul	55 50 N	88 16 E	Granitoid-related Au	Au	
Stepnoye	51 44 N	81 92 E	Volcanogenic massive sulfide (Altay-type)	Pb, Zn	Ag
Studeninskoye	78 47 N	100 80 E	Granitoid-related Au	Au	
Sukharikhinskoye	67 23 N	87 02 E	Sediment-hosted Cu	Cu	
Sukharinskoye	54 00 N	87 30 E	Fe skarn	Fe	
Sukholebya-zhinskoye	61 80 N	90 45 E	Bauxite (sedimentary type)	Al	
Suringdakonskoye	63 36 N	91 27 E	Fe skarn (Angara-Ilim type)	Fe	
Surovoye Lake 1	74 85 N	101 60 E	Polymetallic vein	Pb	Ag
Svetlyi Klyuch	53 13 N	88 12 E	Talc replacement	Talc	
Sydinskoye	54 47 N	92 08 E	Banded iron formation (BIF)	Fe	
Tabratskoye	53 48 N	94 09 E	Fe skarn	Fe	
Tagarskoye	58 45 N	99 13 E	Fe skarn (Angara-Ilim type)	Fe	
Talnakh	69 45 N	88 35 E	Mafic-ultramafic Cu-Ni	Cu, Ni	Co, PGE
Talovskoye	51 43 N	81 92 E	Volcanogenic massive sulfide (Ore Altay-type)	Zn, Pb, Cu	Ag
Taloye-1	58 54 N	99 35 E	Fe skarn (Angara-Ilim type)	Fe	
Tamalykskoye	52 75 N	89 42 E	Sedimentary phosphate	P	
Taptan-Turazy	53 36 N	90 50 E	Barite vein	barite	
Tardan	51 67 N	95 38 E	Au skarn	Au	

Name	Latitude	Longitude	Deposit Model	Major Metals	Minor Metals
Tashelginskoye	53 28 N	88 22 E	Fe skarn	Fe	Co
Tashtagol	52 46 N	87 55 E	Fe skarn	Fe	
Tastyskoye	49 88 N	97 30 E	Li-Sn-Be pegmatite	Li	Ta, Nb, Be
Tatarskoye	58 40 N	93 47 E	REE-Ta-Nb carbonatite	Nb	REE, Ta
Tayatskoye	53 52 N	94 21 E	Fe skarn	Fe	
Taymetskoye	52 50 N	88 28 E	Basaltic Cu	Cu	
Tchernoretchen- skoye	58 45 N	92 25 E	Clastic-sediment-hosted Hg	Hg	
Teiskoye	53 16 N	89 34 E	Fe skarn	Fe	
Telbes	53 27 N	87 38 E	Fe skarn	Fe	
Telekskoye	54 32 N	92 05 E	Weathering crust phosphate	P	
Telmi River	70 30 N	89 25 E	Mafic-ultramafic Cu-Ni	Cu	
Temir-Dag	53 60 N	90 03 E	Cu skarn	Cu	Mo
Temirtau	53 04 N	87 30 E	Fe skarn	Fe	
Teneginskoye	59 10 N	92 47 E	Stratabound carbonate-hosted Pb-Zn	Zn, Pb	
Terekhovskoye	54 06 N	93 48 E	Fe skarn	Fe	
Terligkhaiskoye	51 50 N	93 10 E	Volcanic-hosted Hg	Hg	
Tibik	53 89 N	90 40 E	Clastic-sediment-hosted Sb-Au	Sb	
Timofeevskoe	51 01 N	84 16 E	Fe skarn	Fe	
Togulenskoye	53 95 N	85 93 E	Talc replacement	talc	
Tolailyk	50 48 N	90 58 E	Co-Ni-arsenide vein	Co, Ni	
Tolcheinskoye	54 08 N	90 95 E	Bedded barite	Barite	
Tora-Sairskoye	51 38 N	94 40 E	Clastic sediment-hosted Hg	Hg	
Toskulskoye	50 31 N	96 70 E	Magmatic nepheline	Al	
Tuim	54 34 N	89 80 E	Mo-W skarn	W	
Tulujul	55 28 N	88 28 E	Magmatic nepheline	Al	
Turgenevskoye	52 84 N	87 87 E	Volcanic-hosted polymetallic sulfide	Pb, Zn	
Turtek	54 04 N	89 26 E	W-Mo greisen	W	
Turukhanskoye	65 85 N	85 44 E	Sedimentary Fe	Fe	
Tushkanikhinskoye	51 30 N	81 86 E	Volcanogenic massive sulfide (Altay-type)	Pb, Zn	
Tychanskoye	61 20 N	98 09 E	Stratabound carbonate-hosted Pb-Zn	Pb, Zn	
Uboininskoye	73 15 N	82 52 E	Carbonate-hosted Hg	Hg, Sb	
Udereiskoye	58 50 N	94 15 E	Clastic-sediment-hosted Sb-Au	Sb, Au	
Udorongovskoye	58 39 N	94 55 E	Sedimentary Fe	Fe	
Ulan-Erginskoye	50 10 N	97 07 E	Magmatic nepheline	Al	
Ulatayskoye	50 84 N	92 28 E	Fe-REE carbonatite	Fe, CaF ₂	REE
Ulenskoye-Sb	54 06 N	90 00 E	Clastic-sediment-hosted Sb-Au	Sb	
Ulovny Kamen'	65 91 N	94 00 E	Graphite metamorphic	Graphite	
Ulug-Alymskoye	53 02 N	97 50 E	W-Mo greisen	W, Mo	
Ulug-Odir-Oiy	52 15 N	98 03 E	Granitoid-related Ta-Nb-REE	Ta, Nb	REE
Ulug-Tanzek	50 39 N	96 19 E	Granitoid-related Ta-Nb-REE	Ta, Nb	REE
Urskoye ore field	54 48 N	85 42 E	Volcanic-hosted polymetallic sulfide	Pb, Zn, Cu	
Ursulskoye	50 63 N	85 65 E	Volcanogenic massive sulfide(Altay-type)	Pb, Zn	
Urzarsaiskoye	49 38 N	88 41 E	Granitoid-related Mo-W	W	
Usinskoye	54 01 N	88 42 E	Volcanogenic-sedimentary Mn	Mn	
Uskandinskoye	54 39 N	85 76 E	Volcanic-hosted polymetallic sulfide	Cu, Zn	
Ust-Angarskoye	58 13 N	93 00 E	Stratabound carbonate-hosted Pb-Zn	Pb, Zn	
Ustaurikhinskoye	51 85 N	84 50 E	W-Mo vein	W	
Ust-Parninskoye	55 38 N	89 17 E	Polymetallic vein	Pb, Zn	
Ust-Talskoye	59 87 N	93 34 E	Li-Sn-Be pegmatite	Li	

Name	Latitude	Longitude	Deposit Model	Major Metals	Minor Metals
Ust-Yadulskoye	59 99 N	96 85 E	Sediment-hosted Cu	Cu	
Uzun-Oy	51 28 N	93 75 E	Co-Ni-arsenide vein	Co, Cu	
Vaganovskoye	54 70 N	85 06 E	Bauxite (karst type)	Al	
Vasilievskoye	58 68 N	94 35 E	Au quartz vein	Au	
Verchne-Kamenskoye	59 16 N	92 58 E	Sedimentary-exhalative (SEDEX) Pb-Zn in clastic-carbonate rocks	Pb, Zn	
Verhne-Askizskoye	53 80 N	89 69 E	W-Mo vein	W	
Verkhne-Emigenskoye	49 89 N	97 39 E	Li-Sn-Be pegmatite	Li	
Verkhne-Kundusskoye	50 23 N	97 21 E	Granitoid-related Ta-Nb-REE	Ta, Nb, REE, Zr	
Verkhne-Ollonokon-skoye	59 51 N	96 14 E	Fe skarn (Angara-Ilim type)	Fe	
Verkhne-Sludianskoye	51 72 N	83 71 E	W-Mo vein	W	
Verkhnoturovskoye	58 32 N	95 13 E	Bauxite (karst type)	Al	
Visokaya Gora	59 90 N	92 82 E	W-Mo greisen	W	
Vladimirovskoye	50 76 N	84 08 E	Co skarn	Co	Zn
Vologochan River	69 42 N	87 77 E	Mafic-ultramafic Cu-Ni	Cu	
Volshchbnaya Zhila	52 27 N	89 47 E	Granitoid-related Au	Au	
Vorogovskoye	60 65 N	91 09 E	Granitoid-related Ta-Nb-REE	Ta, Nb	
Vostok	58 45 N	99 15 E	Fe skarn (Angara-Ilim type)	Fe	
Yubileinoe	51 00 N	81 69 E	Volcanogenic massive-sulfide(Altay-type)	Zn, Pb, Cu	
Yubileinoe 1	59 09 N	103 47 E	Fe skarn (Angara-Ilim type)	Fe	
Yulia Svintsovaya	54 24 N	90 46 E	Pb-Zn skarn	Pb	
Zacharoskoye	51 61 N	81 38 E	Volcanogenic massive sulfide (Altay-type)	Zn, Pb, Cu	
Zarechenskoye	51 18 N	82 10 E	Volcanogenic massive sulfide (Altay-type)	Au, Pb, Zn, Ag	
Zeleznyaya Gora	61 75 N	102 95 E	Island spar hydrothermal	Island spar	
Zhurskoye	55 35 N	91 07 E	Fluorspar carbonate-hosted	Fluorite	
Zmeinogorskoye	51 13 N	82 18 E	Volcanogenic massive sulfide (Altay-type)	Zn, Pb, Cu, Au	
Znamenskoye	54 10 N	92 56 E	Fe skarn	Fe	
Zolotushinskoye	50 98 N	81 45 E	Volcanogenic massive sulfide (Altay-type)	Zn, Cu, Pb	
Zub-Marksheider skoye	69 37 N	87 88 E	Mafic-ultramafic Cu-Ni	Cu	