



MINERAL DEPOSIT AND METALLOGENIC BELT MAPS OF THE RUSSIAN FAR EAST, ALASKA, AND THE CANADIAN CORDILLERA

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SHEET 5 OF 7

Pre-accretionary metallogenic belts: felsic-magmatism-related deposits

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Terrane and overlap assemblage base map adopted and simplified from
Hollister and others 1984, 1987

Digital cartography by T.D. Weiss, Geospatial Information Division, Natural Resources Canada
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Electronic plot produced by the Geospatial Information Division, Natural Resources Canada

Any revision or additional geological information known to the user would be welcomed
by the Geological Survey of Canada and the U.S. Geological Survey

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NUMBER	DEPOSIT NAME	DEPOSIT MODEL	MAJOR METALS
AP	Alaska Peninsula Metallogenic Belt of Granitic Magmatism Deposits (Jurassic), Alaska Peninsula		
005			
04	Crocker Creek (McNeil)	Cu-Au skarn	Au, Cu
05			
20	Glacier Fork	Cu-Zn skarn	Cu, Au
21	Kennecott (Kontashubun)	Cu skarn	Cu, Au
24	Magnetite Island (Tudor Bay)	Fe skarn	Fe, Ti
ARW	Alaska Range-Wrangell Mountains Metallogenic Belt of Granitic Magmatism Deposits (Pennsylvanian and Permian), Central and Eastern-Southern Alaska		
005			
06			
18	Reilly Creek District	Cu-Ag skarn	Cu, Ag, Au
19	Rainbow Mountain	Porphyry Cu	Cu, Ag, Au
21	Black Creek	Porphyry Cu	Cu, Ag, Au
22	Chishtiing District	Porphyry Cu and polymetallic vein	Cu, Pb, Ag, Au
BR	Brooks Range Metallogenic Belt of Granitic Magmatism Deposits (Devonian), Northern Alaska		
005			
01	Mount Igarka and Angash Peaks	Polymetallic vein, Au-quartz vein, Polymetallic vein (metamorphosed)	Cu, Pb, Zn, Ag, Au, Sn, W, As, Fe, Cr, Mg
02	Arm, Imla Lake		
006			
01	Jim Mountain	Cu-Zn skarn	Cu, Zn, Ag, Pb
02	Sukhan Mountain	Cu-Au skarn	Cu, Ag, Au
03	Yukon, Yukon, Evelyn Lake, and Ebo	Porphyry Cu-Mo	Cu, Mo
04	Gene Creek	Porphyry Cu-Mo	Cu, Mo
008			
01	Estuk Glacier	Pb-Zn skarn and fluorite vein	Pb, Zn, Sn, Cu, W
02	Porcupine Lake	Polymetallic vein(?)	Cu, Zn, Ag, F
007			
01	Romanov Mountains	Polymetallic vein, Pb-Zn and possibly	Pb, Cu, Zn, Mo, Sn, Ag, F
02	Star Mountain	Polymetallic vein	Cu, Mo
03	Galena Creek	Polymetallic vein	Cu, Zn, Pb, Ag
CMN	Copper Mountain (North) Metallogenic Belt of Porphyry Cu-Au Deposits (Jurassic), Northern British Columbia		
N10			
01	Lumina (Dudling Creek)	Porphyry Cu-Mo	Cu
02	Mount Milner	Porphyry Cu-Au	Cu, Au
009			
08	Kemess (Kemess N., Kemess S.)	Porphyry Cu-Au	Cu, Au
CM5	Copper Mountain (South) Metallogenic Belt of Porphyry Cu-Au Deposits (Jurassic), Southern British Columbia		
M10			
12	Iron Mask Area (Afton, Agai)	Porphyry Cu-Au	Cu, V
31	Lakeview (Lakeview, etc.)	Porphyry Cu-Au	Cu
N10			
08	Ms. Polley (Caribou Belt)	Porphyry Cu-Au	Cu, Au
ESA	Eastern-Southern Alaska Metallogenic Belt of Granitic Magmatism Deposits (Late Jurassic and Early Cretaceous), Eastern-Southern Alaska		
005			
01	Pebble Copper	Porphyry Au-Cu	Au, Cu, Mo
007			
08	Nebena, Rambler	Fe-Au skarn	Au, Mo, Au
09	Chukchi Hill (Bent Creek)	Porphyry Cu-Mo and Cu-Au skarn	Cu, Mo, Au
09	Bentley, Hordell, Carl Creek	Porphyry Cu-Mo	Cu, Mo, Ag
10	London and Cape	Porphyry Cu-Mo	Cu, Mo, Ag
12	Milne (Bent Creek)	Cu-Au skarn	Au, Cu, Ag
GL	Galton Creek Metallogenic Belt of Porphyry Cu-Au Deposits (Late Triassic and Early Jurassic), Northern British Columbia		
009			
01	Star Lake Area (Lone, Siskin)	Porphyry Cu	Cu
12	Rag (Star Lake)	Porphyry Cu-Au	Cu, Au, Zn, Pb, Mo
13	Star Lake (Star Lake Copper)	Porphyry Cu-Au	Cu, Au, Zn, Pb, Mo
GL1	Galton Creek Metallogenic Belt of Porphyry Cu-Mo-Au and Au Skarn Deposits (Late Triassic and Early Jurassic), Southern British Columbia		
M10			
08	Bathurst-Jak	Porphyry Cu-Mo	Cu, Mo
09	Vulcan Copper	Cu, Mo	Cu, Mo
10	Lumina	Porphyry Cu-Mo	Cu, Mo
11	Galton (Galton Mountain)	Porphyry Cu-Mo	Cu, Mo
12	Galton (Galton Mountain)	Porphyry Cu-Mo	Cu, Mo
21	Star (Star Lake)	Porphyry Cu-Mo	Cu, Mo
22	Star (Star Lake)	Porphyry Cu-Mo	Cu, Mo
23	Star (Star Lake)	Porphyry Cu-Mo	Cu, Mo
24	Star (Star Lake)	Porphyry Cu-Mo	Cu, Mo
25	Star (Star Lake)	Porphyry Cu-Mo	Cu, Mo
26	Star (Star Lake)	Porphyry Cu-Mo	Cu, Mo
N10			
07	Galton (Star Lake)	Porphyry Cu-Mo	Cu, Mo
IR	Island Porphyry Metallogenic Belt of Porphyry Cu-Mo; Cu Skarn, and Fe and Cu Skarn Deposits (Jurassic), Vancouver Island		
M09			
01	Red Dog	Porphyry Cu-Mo	Cu, Mo, Au
02	Red Dog (Red Dog)	Porphyry Cu-Mo	Cu, Mo, Au
03	Barren Area (Barren, Coast Copper)	Cu-Au skarn	Cu, Au, Fe
04	Red Dog (Red Dog)	Porphyry Cu-Mo	Cu, Mo, Au
M10			
19	Tasada (Tasada, Marble Bay, etc.)	Cu-Au skarn	Cu, Au, Ag
19	Tasada (Tasada, Marble Bay, etc.)	Fe skarn	Fe, Au
20	Kamela Lake (Bygon)	Fe skarn	Fe, Au
N08			
05	Tasada (Tasada, Marble Bay, etc.)	Fe skarn	Fe, Cu
N09			
30	Burnaby (Burnaby)	Fe skarn	Fe, Au
31	Wetmore (Wetmore, Jasta)	Fe skarn	Fe, Au
IR	Island Porphyry Metallogenic Belt of Porphyry Cu Deposits (Late Jurassic), Southern Kamchatka Peninsula		
M07			
05	Kargin	Porphyry Cu	Cu, Au
KE	Kadon Metallogenic Belt of Au-Ag Epithermal Vein, Porphyry Mo, Fe Skarn, and Associated Deposits (Middle Paleozoic), Central Part of Russian Northeast		
P07			
01	Guba	Au-Ag epithermal vein	Au, Ag
02	Kadon	Au-Ag epithermal vein	Au, Ag
03	Vachnaya	Porphyry Mo-Cu	Mo, Cu
06	Vachnaya	Porphyry Mo-Cu	Mo, Cu
08	Zet	Au-Ag epithermal vein	Au, Ag
09	Orlovskaya	Au-Ag epithermal vein	Au, Ag
08	Orlovskaya	Au-Ag epithermal vein	Au, Ag
09	Tumennaya	Au-Ag epithermal vein	Au, Ag
KL	Kotasein Porphyry Metallogenic Belt of Porphyry Cu-Au-Ag Deposits (Early Jurassic), Southern Yukon Territory		
M09			
04	Minto Copper (Minto)	Porphyry Cu-Au	Cu
07	Willow Creek	Porphyry Cu-Au	Cu
LG	Lavender-Gudakovsk Metallogenic Belt of Porphyry Cu-Mo and Au-Ag Epithermal Vein Deposits (Permian), Southern Part of Russian Southeast		
LS3			
01	Komarovskaya (Vostochnaya)	Au-Ag epithermal vein	Au, Ag
02	Bakal	Porphyry Cu-Mo	Cu, Mo
PW	Prince of Wales Island Metallogenic Belt of Granitic-Magma-Related Deposits (Ordovician and Silurian), Southeastern Alaska		
M08			
02	Kassio Peninsula (Mount Andrew)	Cu-Fe skarn	Cu, Fe
06	Salt Chuck	Zoned mafic-ultramafic-Cu-Au-PGE	Cu, Fe, Pt, Au
07	Debar	Polymetallic vein	Au, Mo
13	Micran Arm district	Porphyry Cu-Mo	Cu, Mo
TC	Texas Creek Metallogenic Belt of Porphyry Cu-Mo-Au and Au-Ag Polymetallic Vein Deposits (Late Triassic to Middle Jurassic), Northern British Columbia		
M09			
02	Red Mountain	Au-Ag polymetallic vein	Au, Ag
008			
18	Patoka (Patoka, Mount)	Au quartz vein	Au, Ag, Cu, Au, Sb
19	Muddy Lake (Muddy Lake, Tatum)	Au quartz vein	Au, Ag, Cu, Au, Sb
009			
13	Schaff Creek (Laird Cooper)	Porphyry Cu-Mo	Cu, Mo
17	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo
18	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo
20	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo
21	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo
22	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo
23	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo
24	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo
25	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo
26	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo
27	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo
28	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo
29	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo
30	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo
31	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo
32	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo
33	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo
34	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo
35	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo
36	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo
37	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo
38	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo
39	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo
40	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo
41	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo
42	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo
43	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo
44	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo
45	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo
46	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo
47	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo
48	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo
49	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo
50	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo
51	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo
52	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo
53	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo
54	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo
55	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo
56	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo
57	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo
58	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo
59	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo
60	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo
61	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo
62	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo
63	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo
64	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo
65	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo
66	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo
67	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo
68	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo
69	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo
70	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo
71	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo
72	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo
73	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo
74	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo
75	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo
76	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo
77	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo
78	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo
79	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo
80	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo
81	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo
82	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo
83	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo
84	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo
85	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo
86	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo
87	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo
88	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo
89	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo
90	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo
91	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo
92	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo
93	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo
94	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo
95	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo
96	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo
97	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo
98	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo
99	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo
100	Simp (Simp)	Porphyry Cu-Mo	Cu, Mo