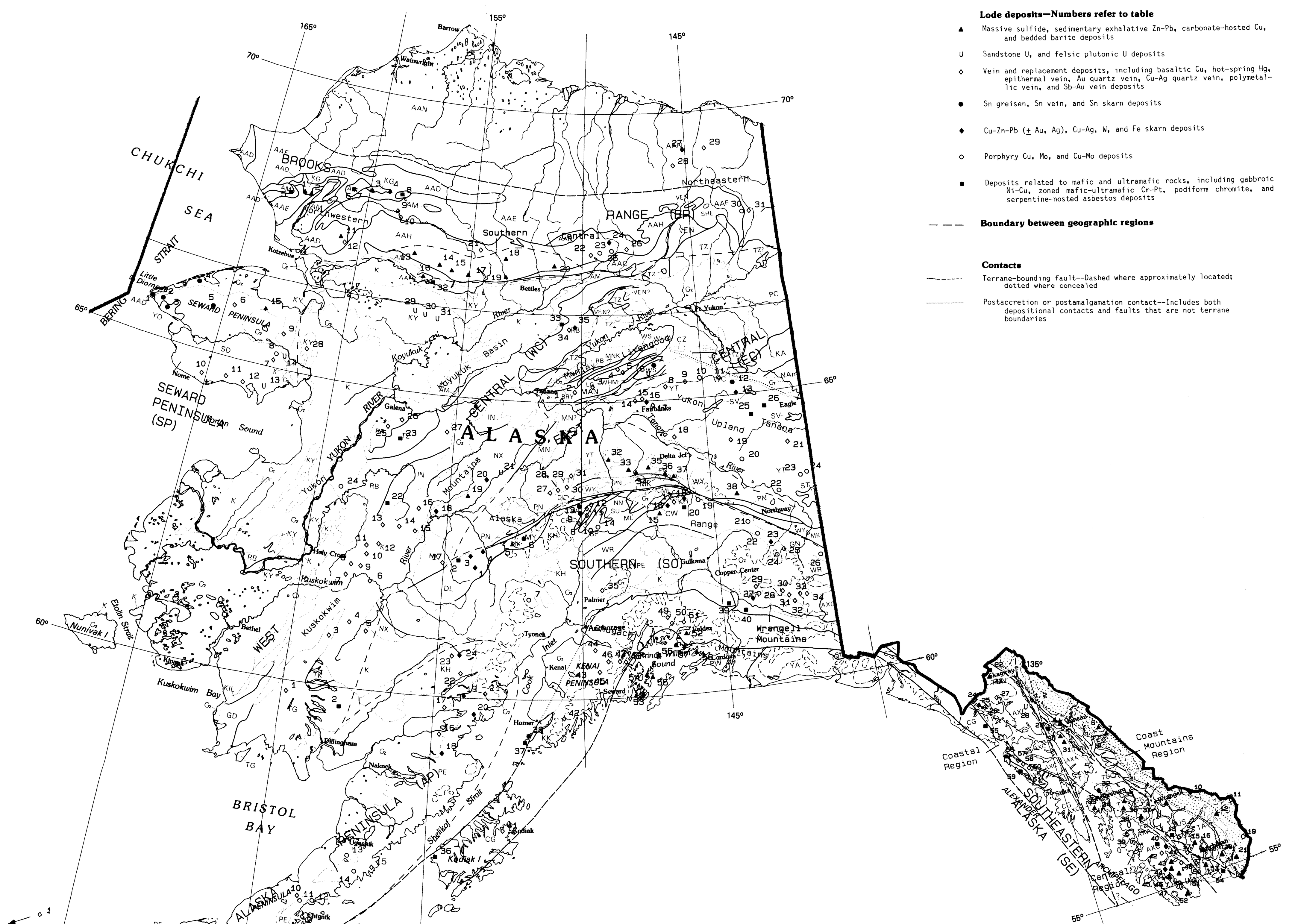

Planimetric base from Geological Society of America DNAG series maps

Geology from Jones and others (1984b), and Monger and Berg (1984). See text for reference list

SCALE 1:5 000 000

100 0 100 200 300 400 500 MILES

100 0 100 200 300 400 500 600 700 KILOMETERS

EXPLANATION

Lode deposits—Numbers refer to table

- ▲ Massive sulfide, sedimentary exhalative Zn-Pb, carbonate-hosted Cu, and bedded barite deposits
- U Sandstone U, and felsic plutonic U deposits
- ◇ Vein and replacement deposits, including basaltic Cu, hot-spring Hg, epithermal vein, Au quartz vein, Cu-Ag quartz vein, polymetallic vein, and Sb-Au vein deposits
- ● Sn greisen, Sn vein, and Sn skarn deposits
- ◆ Cu-Zn-Pb (± Au, Ag), Cu-Ag, W, and Fe skarn deposits
- ○ Porphyry Cu, Mo, and Cu-Mo deposits
- ■ Deposits related to mafic and ultramafic rocks, including gabbroic Ni-Cu, zoned mafic-ultramafic Cr-Pt, podiform chromite, and serpentine-hosted asbestos deposits

— — — **Boundary between geographic regions**

Contacts

Terrane-bounding fault--Dashed where approximately located; dotted where concealed

Postaccretion or postamalgamation contact--Includes both depositional contacts and faults that are not terrane boundaries

POSTACCRETION COVER DEPOSITS

Cz	Sedimentary and volcanic rocks (Cenozoic)
T	Sedimentary and volcanic rocks (Tertiary)
K	Sedimentary and volcanic rocks (Upper Cretaceous)

POSTAMALGAMATION OVERLAP ASSEMBLAGE

GN	Gravina-Nutzotin belt--Upper Jurassic to mid-Cretaceous

ACCRETED TERRANES
[Arranged alphabetically by map symbol]

AAC	Coldfoot subterrane of Arctic Alaska terrane
AAD	Delong Mountains subterrane of Arctic Alaska terrane
AAE	Endicott Mountains subterrane of Arctic Alaska terrane
AAH	Hammond subterrane of Arctic Alaska terrane
AAN	North Slope subterrane of Arctic Alaska terrane
AM	Amgayucham terrane
AXA	Admiralty subterrane of Alexander terrane
AXC	Craig subterrane of Alexander terrane
AXN	Annette subterrane of Alexander terrane
BRY	Baldry terrane
BP	Broad Pass terrane
CG	Chugach terrane
CH	Chulitna terrane
CW	Clearwater terrane
CZ	Crazy Mountains terrane
DL	Dillinger terrane
GD	Goodnews terrane
IN	Innoko terrane
KA	Kandik River terrane
KG	Kagvik terrane
KH	Kahiltna terrane
KIL	Kilbuck terrane
KK	Kachemak terrane
KY	Koyukuk terrane
LG	Livengood terrane
MAN	Manley terrane
MK	McKinley terrane
ML	Maclaren terrane
MN	Minchumina terrane
MNK	Minook terrane
MY	Mystic terrane
NN	Nenana terrane
NX	Nixon Fork terrane
NY	Nyack terrane
PC	Porcupine terrane
PE	Peninsular terrane
PN	Pingston terrane
PW	Prince William terrane
RB	Ruby terrane
SD	Seward terrane
SE	Saint Elias terrane
SHE	Sheenjek terrane
ST	Stikinia terrane
SU	Susitna terrane
SV	Seventymile terrane
TA	Tracy Arm terrane
TG	Togiak terrane
TK	Tikchik terrane
TUS TUN TUC	Taku terrane
TZ	Tozitna terrane
VEN	Venetie terrane
WC	Woodchopper Canyon terrane
WF	West Fork terrane
WHM	White Mountains terrane
WR	Wrangellia terrane
WS	Wickersham terrane
WY	Windy terrane
YA	Yakutat terrane
YO	York terrane
YT	Yukon-Tanana terrane

NONACCRETIONARY CONTINENTAL ROCKS AND OCEANIC PLATE

NAm	North America--Nonaccretionary continental rocks of North America with respect to the Phanerozoic

☆INTERIOR—GEOLOGICAL SURVEY, RESTON, VA—1987—G87622

LOCATIONS OF SIGNIFICANT METALLIFEROUS LODE DEPOSITS OF ALASKA

SUMMARY OF SIGNIFICANT METALLIFEROUS LODE DEPOSITS OF ALASKA

[For more detailed explanation of abbreviations, see explanation of tabular headings in text]

NORTHWESTERN BROOKS RANGE

Number	Name	Major metals	Type	Estimated tonnage and grade--Production
BR1	Lik	Zn, Pb, Ag	Sedimentary exhalative Zn-Pb	25 million tonnes grading 8.8% Zn, 3.0% Pb, 34 g/t Ag
BR2	Red Dog Creek	Zn, Pb, Ag, Ba	Sedimentary exhalative Zn-Pb	85 million tonnes grading 17.1% Zn, 5% Pb, 82 g/t Ag
BR3	Nimiuktuk	Barite	Bedded barite	About 1.5 million tonnes barite
BR4	Drenchwater	Zn, Pb, Ag	Sedimentary exhalative Zn-Pb/ Kuroko massive sulfide	Samples with >1% Zn, >2% Pb, 150 g/t Ag
BR5	Iyikrok Mountain	Cr, PGE	Podiform chromite	130,000 to 350,000 tonnes chromite
BR6	Avan	Cr, PGE	Podiform chromite	290,000 to 600,000 tonnes chromite
BR7	Misheguk Mountain	Cr, PGE	Podiform chromite	110,000 to 320,000 tonnes chromite
BR8	Sinitanneyak Mountain	Cr, PGE	Podiform chromite	Samples with as much as 21% Cr, 0.2% Ni, 0.07 g/t Pt, 0.1 g/t Pd
BR9	Story Creek	Pb, Zn, Ag, Au	Unclassified Pb-Zn-Au-Ag vein	Samples with as much as 1.5 to 34% Pb, 1.5 to 50% Zn, 35 to 940 g/t Ag, and 1.2 g/t Au
BR10	Whoopee Creek	Zn, Ag, Au	Unclassified Zn-Ag-Au vein	Samples with as much as 44% Zn, 458 g/t Ag, 4.4 g/t Au
BR11	Omar	Cu, Pb, Zn, Ag	Kipushi Cu-Pb-Zn	Samples with 15.3% Cu, 0.144% Pb, 0.95% Zn, 20 g/t Ag
BR12	Frost	Cu, Zn, Pb, barite	Unclassified Cu-Zn-Pb-Ba vein	One vein with 13.2% Zn, 0.5% Cu, 21% barite

SOUTHERN BROOKS RANGE

Number	Name	Major metals	Type	Estimated tonnage and grade--Production
BR13	Smucker	Cu, Zn, Pb, Ag, Au	Kuroko massive sulfide	Average grade of 1 to 5% Pb, 5 to 10% Zn, 103 to 343 g/t Ag
BR14	Arctic	Zn, Cu, Pb, Ag, Au	Kuroko massive sulfide	32 million tonnes grading 4.0% Cu, 5.5% Zn, 1.0% Pb, 51.4 g/t Ag, 0.65 g/t Au
BR15	BT, Jerri Creek	Cu, Zn, Pb, Ag	Kuroko massive sulfide	No data
BR16	Ruby Creek	Cu, Co, Zn, Ag	Kipushi Cu-Pb-Zn	91 million tonnes grading 1.2% Cu; 4.2 million tonnes grading up to 4% Cu
BR17	Sun	Cu, Zn, Pb, Ag, Au	Kuroko massive sulfide	Average grades of 1 to 4% Pb, 6 to 12% Zn, 0.5 to 7% Cu, 103 to 343 g/t Ag
BR18	Ann	Pb, Zn, Ag	Polymetallic vein or metamorphosed sulfide	No data
BR19	Roosevelt Creek	Cu, Zn, Pb, Ag, Au	Kuroko massive sulfide	No data
BR20	Michigan Creek	As, Au, Ag, Cu, Zn	Kuroko massive sulfide	Samples with as much as 8.2% As, 8.3 g/t Au, 3.9 g/t Ag

CENTRAL BROOKS RANGE

Number	Name	Major metals	Type	Estimated tonnage and grade--Production
BR21	Mt. Igikpak and Arrigetch Peaks	Cu, Pb, Zn, Ag, Au, Sn, W, As	Polymetallic vein, Au quartz vein, Cu-Pb-Zn and Sn skarn	Samples with as much as 55 g/t Au, 150 g/t Ag, 0.6% Pb, 0.8% Zn, >0.18% Sn, 0.03% W, 0.03% Cu, 0.5% As
BR22	Sukakpak Mountain	Au, Sb, Hg, Mo	Sb-Au vein	Samples with as much as 560 g/t Au, 4.5 g/t Ag, 54% Sb, 1.7% Mo
BR23	Victor, Venus, Evelyn Lee, Ebo	Cu, Ag, Mo	Porphyry Cu and Cu skarn	Zones in granitic rocks with as much as 0.4% Cu. Skarn with as much as 5.5% Cu, 0.41 g/t Au, 0.29 g/t Ag
BR24	Jim-Montana	Cu, Zn, Ag, Pb	Cu-Zn skarn	No data
BR25	Geroe Creek	Cu, Mo	Porphyry Cu-Mo	Zones in granitic rocks with as much as 0.6% Cu, 0.02% Mo
BR26	Chandalar District	Au	Au quartz vein	45,000 tonnes grading 80 g/t Au

NORTHEASTERN BROOKS RANGE

Number	Name	Major metals	Type	Estimated tonnage and grade--Production
BR27	Esotuk Glacier	Pb, Zn, Sn, Cu, W	Pb-Zn skarn	Samples with as much as 0.03% Sn, 0.15% W
BR28	Porcupine Lake	Cu, Zn, Ag, Fl	Polymetallic vein(?)	Samples with as much as 4.8% Cu, 0.6% Zn, 0.2% Ag
BR29	Romanzof Mountains	Cu, Zn, Pb, Mo, Sn	Polymetallic vein, Pb-Zn Skarn	Samples with as much as 0.15% Sn
BR30	Bear Mountain	Mo, W	Porphyry Mo	Samples with as much as 0.8% Mo and 0.6% W
BR31	Galena Creek	Cu, Zn, Pb, Ag	Polymetallic vein	Samples with as much as 21% Cu, 3.5% Zn, 1.3% Pb, 170 g/t Ag

SEWARD PENINSULA

Number	Name	Major metals	Type	Estimated tonnage and grade--Production
SP1	Cape Mountain	Sn, W	Sn vein	Produced several hundred tonnes Sn
SP2	Potato Mountain	Sn	Sn vein	Samples with as much as a few percent Sn
SP3	Lost River	Sn, W, F, Be, Zn	Sn-W skarn, Sn greisen	25 million tonnes grading 0.15% Sn, 0.03% WO_3. Produced 320 tonnes Sn
SP4	Ear Mountain area	Sn, Cu, Ag, Pb, Zn	Sn skarn	Produced several hundred tonnes Sn
SP5	Kougarok	Sn, Ta, Nb	Sn greisen	Average grade of 0.5% Sn, 0.01% each of Ta and Nb
SP6	Serpentine Hot Springs	Pb, Zn, As, Ag, Au	Polymetallic vein	No data
SP7	Omilak area	Pb, Zn, Ag, Sb, Au	Polymetallic vein	About 300 tonnes grading 73% Pb, 5,000 g/t Ag
SP8	Windy Creek	Mo, Pb, W, Sn	Porphyry Mo	Samples with as much as 0.15% Mo, 0.05% Sn, 0.05% W, 0.15% Pb
SP9	Independence	Pb, Ag, Zn	Polymetallic vein	Samples with as much as 30% Pb, 5,150 g/t Ag, 3.4 g/t Au. Produced a few hundred tonnes ore
SP10	Nome district	Au	Au quartz vein	Samples with as much as 120 g/t Au, 10 g/t Ag, >0.2% As
SP11	Big Hurrah	Au	Au quartz vein	Average grade of 25 to 65 g/t Au. Produced about 156,000 g gold
SP12	Daniels Creek	Au	Au quartz vein	Samples with 4 to 40 g/t Au, 10 g/t Ag, 4.8% As, >0.1% Sb
SP13	Eagle Creek	U, Th, REE	Felsic plutonic U	Samples with as much as 0.15% U_3O_8, 1.05% Th, 2% REE
SP14	Death Valley	U	Sandstone U	450,000 kg U_3O_8. Average grade 0.27% U_3O_8
SP15	Hannum Creek	Pb, Zn, Ag	Metamorphosed sulfide	Samples with as much as 10% Pb, 2.2% Zn, 1.4 g/t Au, 60 g/t Ag

SOUTHWESTERN KUSKOKWIM MOUNTAINS, WEST-CENTRAL ALASKA

Number	Name	Major metals	Type	Estimated tonnage and grade--Production
WC1	Katagi Lake	Sb, Hg	(Sb-Hg vein)	No data. Minor production
WC2	Kemuk Mountain	Fe, Ti, Pt	Zoned mafic-ultramafic	2,200 million tonnes grading 15 to 17% Fe, 2 to 3% TiO_2, 0.016% P_2O_5
WC3	Cinnabar Creek	Sb, Hg	Hot-spring Hg	Produced about 525 flasks from selected high-grade ore

CENTRAL KUSKOKWIM MOUNTAINS, WEST-CENTRAL ALASKA

Number	Name	Major metals	Type	Estimated tonnage and grade--Production
WC4	Fortyseven Creek	Au, W	Polymetallic or Au quartz vein(?)	Samples with as much as 17.2 g/t Au
WC5	Taylor Mountains	Au, As, Ag, Hg	Epithermal vein(?)	No data
WC6	Red Devil	Hg, Sb	Hot-spring Hg	Average grade of 1.5% Hg and 2% Sb. Produced 31,145 flasks from 68,330 tonnes through 1972
WC7	Mission Creek, Owhat	Au, Ag, Cu, As, Sb	Polymetallic vein	Samples averaging 6.4 g/t Au, 53 g/t Ag, 2.5% Cu, 3.0% As
WC8	DeCoursey Mountain	Hg, Sb, As	Hot-spring Hg	Samples with 6.5% Hg. Produced 1,200 flasks
WC9	Snow Gulch	Sb, Au	Sb-Au vein	Samples with 31 to 62 g/t Au and as much as 40% stibnite
WC10	Chicken Mountain	Au, A, W, Sb, Hg	Polymetallic vein(?)	Stockwork with as much as 0.9 g/t Au
WC11	Golden Horn, Malemute, Granite	Au, Ag, Sb, Hg, W	Polymetallic or Sb-Au vein	Golden Horn: produced 480 tonnes grading 174 g/t Au, 171 g/t Ag, and as much as 20% WO_3
WC12	Broken Shovel	Ag, Pb, Sb	Polymetallic vein	14,000 tonnes grading 178 g/t Ag, 0.15% Pb, 0.15% Sb
WC13	Cirque, Tolstoi	Cu, Ag, Sn, W	Polymetallic vein and porphyry Cu	Samples with as much as 20% Cu, 1,340 g/t Ag, 0.5% Sn
WC14	Independence	Au	Polymetallic vein	Produced 1,770 g gold from 113 tonnes ore
WC15	Candle	Cu, Pb, Ag	Polymetallic vein	Samples grading 280 g/t Cu, 185 g/t Pb, 6.8 g/t Ag
WC16	Win-Won	Sn, Ag, Cu	Sn polymetallic vein	Samples with as much as 2% Sn, 1,720 g/t Ag
WC17	White Mountain	Hg	Hot-spring Hg(?)	Samples grading 5 to 30% cinnabar. Produced 3,500 flasks
WC18	Nixon Fork-Medfra	Au, Cu, Ag	Cu-Au skarn	Produced 1.24 to 1.87 million g gold, minor Cu, Ag
WC19	Reef Ridge	Zn, Pb	(Carbonate-hosted sulfide)	181,000 tonnes grading 15% combined Zn and Pb
WC20	Medfra	Fe, Cu, Zn	Fe skarn	12,000 m³ grading 85% Fe_2O_3, minor Cu and Au
WC21	Sischu Creek	U, Th	Felsic plutonic U	Samples with as much as 0.007% U and 0.013% Th

TOZITNA AND INNOKO AREAS, NORTHEASTERN KUSKOKWIM MOUNTAINS, WEST-CENTRAL ALASKA

Number	Name	Major metals	Type	Estimated tonnage and grade--Production
WC22	Mount Hurst	Cr, PGE	Podiform chromite	Samples with 22 to 61% Cr_2O_3
WC23	Kaiyuh Hills	Cr	Podiform chromite	15,000 to 34,000 Cr_2O_3 tonnes in one deposit

WEST-CENTRAL YUKON-KOYUKUK BASIN, WEST-CENTRAL ALASKA

Number	Name	Major metals	Type	Estimated tonnage and grade--Production
WC24	McLeod	Mo	Porphyry Mo	Samples grading 0.09% MoS_2
WC25	Illinois Creek	Cu, Ag, Au, Pb, Zn	Polymetallic vein and porphyry Cu	No data
WC26	Perseverance	Pb, Ag, Sb	Polymetallic vein(?)	Produced 231 tonnes grading 73% Pb, 124 g/t Ag
WC27	Beaver Creek	Ag, Pb, Zn	Polymetallic vein	14,000 tonnes grading 103 g/t Ag, 0.8% Zn, 0.5% Cu
WC28	Quartz Creek	Pb, Zn, As, Ag	Polymetallic vein	Samples with as much as 15% combined Pb and Zn, 340 g/t Ag

NORTHERN AND EASTERN YUKON-KOYUKUK BASIN, WEST-CENTRAL ALASKA

Number	Name	Major metals	Type	Estimated tonnage and grade--Production
WC29	Wheeler Creek	U	Felsic plutonic U	Samples with as much as 0.0125% U
WC30	Clear Creek	U	Felsic plutonic U	Samples with as much as 0.04% U and 0.06% Th
WC31	Zane Hills	U, Th	Felsic plutonic U	Samples with as much as 0.027% Th
WC32	Asbestos Mountain	Asbestos, jade	Serpentine-hosted asbestos	No data
WC33	Caribou Mountain, Holonada	Cr	Podiform chromite	Up to 25,000 tonnes Cr_2O_3 at Holonada
WC34	Upper Kanuti River	Pb, Zn, Ag	Polymetallic or epithermal vein	Samples with as much as 2% Pb, 0.3% Zn, 30 g/t Ag
WC35	Bonanza Creek	W, Ag, Cu	W skarn	Samples with as much as 0.89% W, 300 g/t Ag, 0.65% Cu

MANLEY AND LIVENGOOD AREA, NORTHWESTERN YUKON-TANANA UPLAND, EAST-CENTRAL ALASKA

Number	Name	Major metals	Type	Estimated tonnage and grade--Production
EC1	Hot Springs Dome	Pb, Ag, Zn, Au, Cu	Polymetallic vein	Samples grading 5.8 g/t Au, as much as 274 g/t Ag, 3.7% Pb
EC2	Avnet	Mn, Ag	(Mn-Ag vein)	Samples with as much as 34% Mn and as much as 9.6 g/t Ag
EC3	Sawtooth Mountain	Sb, Au, Ag	Sb-Au vein	Produced about 590 tonnes grading 58% Sb_2S_3
EC4	Gertrude Creek, Griffen, Ruth Creek	Au, Ag, Pb, Sb	Sb-Au vein	Samples with as much as 15% Sb, 3.9 g/t Au
EC5	Hudson Cinnabar	Hg	(Hg quartz vein)	No data
EC6	Roy Creek	U, Th, REE	Felsic plutonic U	Drill core with as much as 5 to 10% REE by volume
EC7	Lime Peak	Sn, Ag, Zn	Sn greisen and Sn veins	Samples with as much as 0.16% Sn, 0.5% Cu, 0.2% Pb, 1.8% Zn

NORTHERN AND CENTRAL YUKON-TANANA UPLAND, EAST-CENTRAL ALASKA

Number	Name	Major metals	Type	Estimated tonnage and grade--Production
EC8	Dempsey Pup	Sb	Sb-Au vein	Produced a few hundred tonnes of low-grade ore
EC9	Table Mountain	Au, An, Be, W	Au quartz vein(?)	Samples with as much as 140 g/t Au, 0.007% Sn, 0.15% Be
EC10	Bedrock Creek	Cu, W, Th	Porphyry Cu(?)	No data
EC11	Miller House	Au	Unclassified Au-As vein	Samples with as much as 3.9 g/t Au
EC12	Ketchem Dome	Sn	Sn greisen	Samples with as much as >0.1% Sn
EC13	Salcha River	W	W skarn	No data

FAIRBANKS DISTRICT, NORTHERN YUKON-TANANA UPLAND, EAST-CENTRAL ALASKA

Number	Name	Major metals	Type	Estimated tonnage and grade--Production
EC14	Scrafford	Sb, Au	Sb-Au vein	Produced 906,000 kg Sb from 2,500 tonnes ore
EC15	Cleary Summit	Au, Ag	Polymetallic vein(?)	145,000 tonnes grading from 10 to 55 g/t gold
EC16	Gilmore Dome	W, Au	W skarn	20,000 tonnes grading 0.5 to 3.6% WO_3. Produced 4,000 units WO_3
EC17	Ester Dome	Au, Ag	Polymetallic vein(?)	Produced 90,700 tonnes grading 7 to 79 g/t Au
EC18	Democrat	Au	Au quartz vein	No data

EASTERN YUKON-TANANA UPLAND, EAST-CENTRAL ALASKA

Number	Name	Major metals	Type	Estimated tonnage and grade--Production
EC19	Blue Lead, Tibbs Creek, Gray Lead	Au, Ag, Sb	Polymetallic or Sb-Au vein	Produced 905 g Au, 707 g Ag from 136 tonnes ore
EC20	Mosquito	Cu, Mo	Porphyry Cu-Mo	No data
EC21	Purdy	Au	Au quartz vein	Minor production
EC22	Asarco	Cu, Mo	Porphyry Cu-Mo	No data
EC23	Bluff	Cu, Mo	Porphyry Cu-Mo	No data
EC24	Taurus	Cu, Mo	Porphyry Cu-Mo	450 million tonnes grading 0.5% Cu and 0.07% Mo
EC25	Slate Creek	Asbestos	Serpentine-hosted asbestos	58 million tonnes grading 6.4% fiber
EC26	Eagle C3	PGE	Podiform chromite	Samples with 3 g/t Pt, 1.5 g/t Pd, 0.03 g/t Rh

NORTHERN ALASKA RANGE, EAST-CENTRAL ALASKA

Number	Name	Major metals	Type	Estimated tonnage and grade--Production
EC27	Slate Creek, Eagles Den, Caribou Creek	Sb, Ag, Zn	Sb-Au vein	64,000 tonnes grading 12% Sb, minor Ag, Zn
EC28	Quigley Ridge	Ag, Au, Pb, Zn	Polymetallic vein	380,000 tonnes grading 1.300 g/t Ag, 4.8 g/t Au, 6.4% Pb, 2.3% Zn
EC29	Banjo	Au, Ag, Pb, Zn, Sb	Polymetallic vein	160,000 tonnes grading 13.4 g/t Au, 123 g/t Ag
EC30	Spruce Creek	Au, Ag, Pb, Zn, Sb	Polymetallic vein	77,000 tonnes grading 2.4 g/t Au, 276 g/t Ag
EC31	Stampede	Sb	Polymetallic or Sb-Au vein(?)	410,000 tonnes grading 10.5% Sb, minor Ag, Zn, Au. Produced 1,570 tonnes ore
EC32	Liberty Bell	As, Cu, Bi, Au	Kuroko massive sulfide(?)	91,000 tonnes grading 10% As, 2% Cu, 34 g/t Au, 10% As, 2% Cu
EC33	Sheep Creek	Zn, Pb, Sn	Kuroko massive sulfide(?)	Samples average 11% combined Pb and Zn, 10 g/t Ag
EC34	Anderson Mountain	Cu, Pb, Zn, Ag	Kuroko massive sulfide	Grades of 0.5 to 19% Cu, as much as 5% Pb, 28% Zn, 171 g/t Ag
EC35	WTF, Red Mountain	Cu, Pb, Zn, Ag	Kuroko massive sulfide	1.1 million tonnes grading 0.15% Cu, 2.5% Pb, 7.9% Zn, 270 g/t Ag
EC36	Miyaoka, Hayes Glacier	Cu, Pb, Zn, Au, Ag	Kuroko massive sulfide	Samples with as much as 0.92% Cu, 0.72% Pb, 0.5% Zn, 50 g/t Au, 50 g/t Ag
EC37	McGinnis Glacier	Zn, Cu, Pb, Ag	Kuroko massive sulfide	Samples with as much as 2.3% Zn, 0.26% Cu, 0.25% Pb, 50 g/t Ag
EC38	Delta District	Pb, Zn, Cu, Ag, Au	Kuroko massive sulfide	Largest deposit of 18 million tonnes grading 0.3 to 0.7%

ALEUTIAN ISLANDS AND SOUTHWESTERN ALASKA PENINSULA

Number	Name	Major metals	Type	Estimated tonnage and grade--production
AP1	Sedanka	Zn, Pb, Cu	Polymetallic vein	Average grade of 6.8% Zn, 0.45% Cu, 0.29% Pb, 48 g/t Ag
AP2	Canoe Bay	Au, Ag, Hg, As, Pb	Epithermal vein	No data
AP3	Aquila	Au, Ag	Epithermal vein	Samples with as much as 7.8 g/t Au, 27 g/t Ag
AP4	Apollo-Sitka	Au, Ag, Pb, Zn, Cu	Epithermal vein	Produced 3.33 million g Au from 435,000 tonnes ore
AP5	Shumagin	Au, Ag	Epithermal vein	540,000 tonnes grading 10 g/t Au, 34 g/t Ag
AP6	Pyramid	Cu, Au	Porphyry Cu	110 million tonnes grading 0.4% Cu, 0.05% Mo, trace Au
AP7	San Diego Bay	Ag, Au, Cu, Pb	Epithermal vein	No data
AP8	Kawisgag	Cu, Mo, Au	Porphyry Cu or polymetallic vein	Samples with 0.2 to 1% Cu, as much as 0.02% Mo, 0.23 to 0.4 g/t Au
AP9	Warner Bay	Cu, Mo, Pb, Zn	Polymetallic vein	Average grade of 0.3% Cu, as much as 0.7% Cu
AP10	Cathedral Creek, Braided Creek	Cu, As, Zn, Pb	Polymetallic vein	No data
AP11	Mallard Duck Bay	Cu, Mo	Porphyry Cu-Mo or epithermal vein(?)	No data
AP12	Bee Creek	Cu, Au	Porphyry Cu	4.5 to 9.1 million tonnes grading 0.25% Cu, 0.01% Mo
AP13	Rex	Cu, Au	Porphyry Cu	No data
AP14	Mike	Mo, Au, Ag, Pb, Zn	Porphyry Mo	Samples with >20 g/t Mo
AP15	Kilokak Creek	Pb, Zn	Polymetallic vein(?)	No data
AP16	Kuy	Au, Ag, Cu	Epithermal vein	No data
AP17	Fog Lake	Au, Cu, Ag	Epithermal vein	Samples with as much as 37 g/t Au, 5 g/t Ag, >0.5% Cu

NORTHEASTERN ALASKA PENINSULA

Number	Name	Major metals	Type	Estimated tonnage and grade--production
AP18	Crevice Creek	Au, Ag, Cu, Fe	Cu-Au skarn	Produced 11 tonnes grading 4.5 g/t Au, 514 g/t Ag, 18% Cu
AP19	Kasna Creek	Cu, Au, Ag, Fe	Fe skarn	9.1 million tonnes grading 1% Cu, 27% Fe, trace Au, Ag
AP20	Magnetite Island	Fe, Ti	Fe skarn	Up to several thousand tonnes magnetite
AP21	Johnson Prospect	Au, Zn, Cu, Pb	Epithermal vein(?)	Average grade of 21 to 41 g/t Au, 9.4 to 25% Zn, 2.8% Pb
AP22	Kijik River	Cu, Mo	Polymetallic vein and porphyry Cu	Samples with as much as 0.25% Cu, 0.17% Mo
AP23	Bonanza Hills	Ag, Cu, Pb, Au	Polymetallic vein and porphyry Cu	45,400 tonnes grading 81 g/t Ag, 0.15% Cu, 0.67% Pb
AP24	Glacier Fork	Cu, Zn, Au, Ag	Cu-Zn skarn	Samples grading 0.76% Cu, 3.4% Zn, 0.38 g/t Au, 20 g/t Ag

SOUTHWESTERN AND WESTERN ALASKA RANGE, SOUTHERN ALASKA

Number	Name	Major metals	Type	Estimated tonnage and grade--production
SO1	Bowser Creek	Ag, Pb, Zn	Pb-Zn skarn	270,000 tonnes grading 10% Pb and Zn, 100 g/t Ag
SO2	Chip-Loy	Ni, Co, Cu	Gabbroic Ni-Cu(?)	9,100 tonnes grading 1% Ni, 0.1% Co
SO3	Rat Fork, Sheep Creek	Cu, Zn, Pb	Cu-Pb-Zn skarn	Samples with as much as 3% Cu and 10% combined Zn and Pb
SO4	Tin Creek	Pb, Zn, Cu	Cu-Pb-Zn skarn	230,000 tonnes grading 16% combined Pb and Zn
SO5	Shellebarger Pass	Cu, Ag, Fe, Zn	Besshi massive sulfide	Samples grading 2% Cu, 1% Zn
SO6	Boulder Creek	Sn	Sn greisen(?)	136,000 kg Sn. Samples with as much as 18% Sn, 7,900 g/t Ag
SO7	Miss Molly	Mo	Porphyry Mo	Samples with as much as 0.38% Mo, 0.16% Zn
SO8	Partin Creek	Cu, Au, Ag	Polymetallic or Cu-Ag quartz vein	Samples with as much as 0.7% Cu, 63 g/t Au, 300 g/t Ag
SO9	Coal Creek	Sn, Ag, W, Zn	Sn greisen(?) and Sn vein	5 million tonnes grading 0.28% Sn, 0.5% Cu
SO10	Ready Cash	Cu, Pb, Ag, Sn, Zn	Polymetallic vein(?)	Samples grading 1.4 g/t Au, 860 g/t Ag, 1.5% Cu, 5% Pb
SO11	Golden Zone	Au, Cu, Ag, Pb, Zn	Polymetallic vein	Produced 49,000 g Au, 268,000 g Ag, 19 tonnes Cu
SO12	Nim and Nimbus	Au, Ag, Cu, Zn, Mo	Polymetallic vein	Samples with as much as 2% Cu, 137 g/t Ag, 13 g/t Au
SO13	Ohio Creek	Sn, Ag, As	Sn greisen and Sn vein	Samples with as much as 0.1% Sn, minor Ag, As, Cu, Zn
SO14	Treasure Creek	Mo, Cu, Au, Zn	Porphyry Cu-Mo	No data

CENTRAL AND EASTERN ALASKA RANGE, AND WRANGELL MOUNTAINS, SOUTHERN ALASKA

Number	Name	Major metals	Type	Estimated tonnage and grade--production
SO15	Denali	Cu, Ag	Besshi massive sulfide(?)	Massive sulfide layers with abundant Cu and as much as 13 g/t Ag
SO16	Zackly	Au, Cu, Ag	Cu-Au skarn	1.25 million tonnes grading 2.6% Cu and >6 g/t Au
SO17	Kathleen-Margaret	Cu, Ag, Au	Cu-Ag quartz vein	Samples with as much as 13% Cu, 3.2 g/t Au, 300 g/t Ag
SO18	Rainy Creek	Cu, Ag, Au	Cu-Ag skarn	Samples with as much as 5.6% Cu, 300 g/t Ag, 1.2 g/t Au
SO19	Rainbow Mountain	Cu, Ag	Porphyry Cu	Samples with as much as 10% Cu, 44 g/t Ag, trace Au
SO20	Fish Lake	Cr, Ni	(Dunitic Ni-Cu)	Samples with >0.5% Cr, 0.3% Ni
SO21	Slate Creek	Cu, Ag, Au, Zn	Porphyry Cu(?)	Samples with as much as 2% Cu, 70 g/t Ag, 2 g/t Au
SO22	Chistochina	Pb, Cu, Ag, Au	Porphyry Cu and polymetallic vein	Samples with as much as 20% Pb, 1.4% Cu, 21 g/t Ag, 1.4 g/t Au
SO23	Nabesna, Rambler	Au	Fe skarn	Produced 1.66 million g Au and minor Cu (Nabesna). Estimated 18,000 tonnes grading 34.3 g/t Au (Rambler)
SO24	Orange Hill, Bond Creek	Cu, Mo	Porphyry Cu-Mo and Cu-Au skarn	320 million tonnes grading 0.35% Cu (Orange Hill). 500 million tonnes grading 0.30% Cu (Bond Creek)
SO25	Nabesna Glacier	Cu, Zn, Au	Polymetallic vein	No data
SO26	Baultoff, Horsefeld, Carl Creek	Cu, Mo	Porphyry Cu	240 million tonnes grading 0.2% Cu, <0.01% Mo, trace Au
SO27	Midas	Au, Cu, Ag	Cu-Au skarn	Samples with as much as 8 g/t Au, 10 g/t Ag, and 20% Cu
SO28	London and Cape	Cu, Mo, Ag	Porphyry Cu-Mo	Samples with as much as 10% Cu, 0.007% Mo, 1.5 g/t Ag
SO29	Nugget Creek	Cu, Ag	Cu-Ag quartz vein	Samples with as much as >200 g/t Ag, >2% Cu
SO30	Kennecott District	Cu, Ag	Basaltic Cu	Produced 544 million kg Cu and 280 million g Ag from 4.3 million tonnes ore
SO31	Nikolai	Cu, Ag	Cu-Ag quartz vein	Sample with as much as 1% Cu
SO32	Westover	Cu, Ag	Basaltic Cu	Samples with >2% Cu, 50 g/t Ag, 0.2% As
SO33	Nelson	Cu, Ag	Basaltic Cu	Samples with >2% Cu, 50 g/t Ag, 0.3% As
SO34	Erickson	Cu, Ag	Basaltic Cu	Samples with >2% Cu, 70 g/t Ag

TALKEETNA MOUNTAINS, KODIAK ISLAND, KENAI PENINSULA, AND NORTHERN CHUGACH MOUNTAINS, SOUTHERN ALASKA

Number	Name	Major metals	Type	Estimated tonnage and grade--production
SO35	Willow Creek	Au	Polymetallic vein	Produced 18.4 million g Au
SO36	Halibut Bay	Cr	Podiform chromite	180,000 tonnes Cr_2O_3
SO37	Claim Point	Cr	Podiform chromite	82,000 tonnes Cr_2O_3
SO38	Red Mountain	Cr	Podiform chromite	87,000 tonnes grading 25 to 43% Cr_2O_3
SO39	Bernard, Dust Mountain	Cr	Podiform chromite	330,000 tonnes Cr_2O_3
SO40	Spirit Mountain	Ni, Cu	Gabbroic Ni-Cu(?)	5,900 tonnes grading 0.22 to 0.88% Ni, 0.12 to 0.89% Cu, as much as 69 g/t Ag

KODIAK ISLAND, SOUTHEAST KENAI PENINSULA, AND SOUTHERN CHUGACH MOUNTAINS, SOUTHERN ALASKA

Number	Name	Major metals	Type	Estimated tonnage and grade--production
SO41	Chalet Mountain	W, Au, Ag	Au quartz vein	Samples with as much as 1.75% WO_3, 9.6 g/t Au, 120 g/t Ag
SO42	Nuka Bay	Au	Au quartz vein	Produced 258,000 g Au
SO43	Alaska Oracle	Au	Au quartz vein	Produced 106,000 g Au
SO44	Lucky Strike	Au, Cu, Pb, Ag	Au quartz vein	Produced 172,500 g Au from 1,800 tonnes ore
SO45	Crown-Point, Kenai-Alaska	Au	Au quartz vein	Produced 97,000 g Au
SO46	Monarch, Jewel	Au	Au quartz vein	Produced 154,000 g Au
SO47	Mineral King	Au	Au quartz vein	Produced 87,000 g Au
SO48	Granite	Au	Au quartz vein	Produced 776,000 g Au
SO49	Gold King	Au	Au quartz vein	Produced 62,000 g Au
SO50	Cliff	Au	Au quartz vein	Produced 1.61 million g Au
SO51	Ramsay-Rutherford	Au	Au quartz vein	Produced 172,000 g Au

PRINCE WILLIAM SOUND DISTRICT, CHUGACH MOUNTAINS, SOUTHERN ALASKA

Number	Name	Major metals	Type	Estimated tonnage and grade--production
SO52	Midas	Cu, Ag, Au, Zn	Besshi massive sulfide(?)	Produced 1.54 million kg Cu, 471,000 g Ag, 79,000 g Au
SO53	Latouche, Beatson	Cu, Ag, Au, Zn, Pb	Besshi massive sulfide(?)	Produced 84 million kg Cu from 4.5 million tonnes ore
SO54	Knight Island	Cu	Cyprus massive sulfide	Produced up to a few thousand tonnes ore
SO55	Copper Bullion, Rua Cove	Cu, Zn	Cyprus massive sulfide	1.0 million tonnes grading 1.25% Cu
SO56	Ellamar	Cu, Au, Ag, Zn	Besshi massive sulfide	Produced 7.2 million kg Cu, 1.46 million g Au, 5.96 million g Ag
SO57	Threeman, Standard Copper	Cu, Au, Ag, Zn	Cyprus massive sulfide	Produced 14,500 kg Cu (Standard Copper). Produced 500,000 kg Cu, 3,140 g Au, 165,000 g Ag (Threeman)
SO58	Fidalgo-Alaska, Schlosser	Cu, Zn	Besshi massive sulfide	Produced 1.9 million kg Cu from 19,400 tonnes ore

COAST MOUNTAINS REGION, SOUTHEASTERN ALASKA

Number	Name	Major metals	Type	Estimated tonnage and grade--production
SE1	Jualin	Au, Ag, Pb	Au quartz vein	Produced 1.5 million g Au
SE2	Kensington	Au, Ag, Pb	Au quartz vein	Produced 11,000 tonnes grading about 5.8 g/t Au
SE3	Alaska-Juneau	Au, Ag, Pb, Zn	Au quartz vein	Produced 108 million g Au, 59.1 million g Ag, 21.8 million kg Pb
SE4	Yakima	Au, Pb, Zn	Besshi massive sulfide	Production not recorded
SE5	Treadwell	Au, Ag, Pb	Au quartz vein	Produced about 90 million g Au from 25 million tonnes ore
SE6	Sweetheart Ridge	Ag, Au, Cu, Pb, Zn	Metamorphosed sulfide	6,600 tonnes grading 7.9 g/t Au, 10.6 g/t Ag, 0.7% Cu
SE7	Sumdum	Ag, Cu, Zn	Metamorphosed sulfide	24 million tonnes grading 0.57% Cu, 0.37% Zn, as much as 103 g/t Ag
SE8	Sumdum Chief	Au, Ag, Cu, Pb, Zn	Au quartz vein	Produced 746,000 g each Au and Ag
SE9	Groundhog Basin	Ag, Pb, Zn	Metamorphosed sulfide	Several hundred thousand tonnes grading 8% Zn, 1.5% Pb, 51.5 g/t Ag
SE10	North Bradfield River	Fe, Cu	Fe skarn	Drill core grading 50 to 65% Fe, 0.1 to 0.5% Cu
SE11	Riverside	Ag, Au, Cu, Pb, W	Au quartz or polymetallic vein	Produced 93,300 g Au, 3.1 million g Ag, 45,400 kg Cu, 114,000 kg Pb, 9,100 kg Zn, 3,500 units WO_3
SE12	Alamo	Ag, Au, Cu, Zn	Metamorphosed sulfide	Samples with as much as 0.7% Cu, 0.2 g/t Au, 50 g/t Ag, minor Zn
SE13	Union Bay	Fe, Ti, Cr, PGE	Zoned mafic-ultramafic	1,000 million tonnes grading 18 to 20% Fe, minor PGE
SE14	Gold Standard	Au	Au quartz vein	Produced a few ten thousand g Au
SE15	Mahoney	Ag, Pb, Zn	Metamorphosed sulfide	Produced several hundred tonnes Zn concentrate
SE16	Sea Level	Au, Ag	Au quartz vein	Unknown production
SE17	Goldstream	Au, Cu, Pb, Zn	Au quartz vein	Produced several hundred thousand tonnes ore
SE18	Moth Bay	Cu, Zn	Metamorphosed sulfide	91,000 tonnes grading 7.5% Zn, 1% Cu
SE19	Quartz Hill	Mo	Porphyry Mo	As much as 1,700 million tonnes grading 0.136% Mo
SE20	Reliance	Cu, Zn	Metamorphosed sulfide	No data
SE21	Red River	Cu, Mo	Metamorphosed sulfide	No data

CENTRAL SOUTHEASTERN ALASKA

Number	Name	Major metals	Type	Estimated tonnage and grade--production
SE22	Klukwan	Fe, Ti, V, Ni	Zoned mafic-ultramafic	12 billion tonnes grading 0.2% V205, 13% magnetite, 1.5 to 4.4% TiO_2
SE23	Glacier Creek	Ag, Au, Ba, Cu, Pb	Kuroko massive sulfide	680,000 tonnes grading 45% $BaSO_4$, as much as 3% combined Cu, Zn
SE24	Margerie Glacier	Cu, Ag, Au	Porphyry Cu and polymetallic vein	145 million tonnes grading 0.02% Cu, 0.27 g/t Au, 4.5 g/t Ag
SE25	Orange Point	Zn, Cu, Ag, Au	Kuroko massive sulfide	Samples with as much as 19% Zn, 5.2% Cu, 3.5 g/t Au, 70 g/t Ag
SE26	Reid Inlet	Au, Pb	Au quartz vein	Produced 220,000 to 250,000 g Au
SE27	Nunatak	Ag, Au, Cu, Mo	Polymetallic vein, porphyry Cu-Mo	2.0 million tonnes grading 0.067% Mo, 0.16% Cu
SE28	William Henry Bay	U, Th, REE	Felsic plutonic U	Samples with as much as 0.2% U
SE29	Funter Bay	Cu, Ni, Co	Gabbroic Ni-Cu	Up to 540 thousand tonnes grading as much as 1% Cu, Ni each
SE30	Greens Creek	Zn, Pb, Cu, Ag, Au	Kuroko massive sulfide	3.6 million tonnes grading 8% Zn, 2.7% Pb, 0.4% Cu, 360 g/t Ag, 3.4 g/t Au
SE31	Pyrola	Ag, Au, Ba, Pb, Zn	Kuroko massive sulfide	No data
SE32	Kupreanof Mountain	Ag, Au, Cu, Zn	Cu-Zn-Au skarn	Low values of Au and Ag
SE33	Cornwallis Peninsula	Zn, Pb, Ag, Cu	Metamorphosed sulfide	No data
SE34	Port Camden	U	Sandstone U	Samples with 0.13 to 0.24% U
SE35	Castle Island Kupreanof Island	Ba, Pb, Zn, Ag	Bedded barite and Kuroko massive sulfide	Produced 680,000 tonnes grading 90% $BaSO_4$. Sulfide samples with as much as 5% galena and sphalerite, 100 g/t Ag
SE36	Helen S.	Ag, Au, Pb, Zn	Kuroko massive sulfide	Small volume grading 6.1 g/t Au
SE37	Zarembo Island	Ag, Pb, Zn	Kuroko massive sulfide	Samples with as much as 5.5 g/t Au, 30 g/t Ag
SE38	Salmon Bay	U, Th, REE	Felsic plutonic U	Samples with as much as 0.3% U, 0.79% REE, >0.1% La, 0.1% Mo
SE39	Coronation Island	Pb, Zn	Polymetallic vein(?)	Produced more than 90 tonnes ore
SE40	Salt Chuck	Ag, Au, Cu, PGE	Zoned mafic-ultramafic	Produced 300,000 tonnes grading 0.95% Cu, 1.2 g/t Au, 5.8 g/t Ag, and 610,000 g PGE
SE41	Kasaan Peninsula	Cu, Au, Ag	Cu-Fe skarn	Produced 5.8 million kg Cu, 216,000 g Au, 1.74 million g Ag
SE42	Dawson	Au, Cu, Pb, Zn	Au quartz or polymetallic vein	Probably produced several ten thousand g Au, Ag, each
SE43	Khayyam	Ag, Au, Cu, Zn	Kuroko massive sulfide	Produced 6.4 million kg Cu, 40,100 g Au, 53,200 g Ag
SE44	Jumbo district	Fe, Ag, Au, Cu	Cu-Au skarn	Produced 4.6 million kg Cu, 220,000 g Au, 2.73 million g Ag
SE45	Copper City	Cu, Zn, Ag, Au	Metamorphosed sulfide(?)	Samples with 8.5% Cu, 7.3% Zn, 86 g/t Ag, 1.7 g/t Au
SE46	Moonshine	Ag, Pb, Zn, Cu	Metamorphosed sulfide	Produced up to 46,500 g Ag
SE47	Lime Point	Ba	Bedded barite	4,500 tonnes grading 91% barite
SE48	Golden Fleece	Ag, Au	Au quartz vein	Considerable production; no records
SE49	Niblack	Cu, Au, Ag	Kuroko massive sulfide	Produced 636,000 kg Cu, 34,200 g Au, 466,500 g Ag
SE50	Bay View	Au	Polymetallic vein(?)	Samples with as much as 10 g/t Ag, 0.1 g/t Au, >2% Cu
SE51	Bokan Mountain	Th, U	Felsic plutonic U	Produced 109,000 tonnes grading about 1% U_3O_8
SE52	Barrier Islands	Ag, Au, Cu, Pb	Kuroko massive sulfide	Samples with as much as 10% Zn, 0.15% Pb, 30 g/t Ag
SE53	Driest Point	Cu, Pb, Ba	Kuroko massive sulfide(?)	No data
SE54	Duke Island	Cr, PGE	Zoned mafic-ultramafic	Samples grading 0.037 g/t Pt, 0.033 g/t Pd

COASTAL SOUTHEASTERN ALASKA

Number	Name	Major metals	Type	Estimated tonnage and grade--production
SE55	Brady Glacier	Cu, Ni, PGE	Gabbroic Ni-Cu	82 to 91 million tonnes grading 0.53% Ni, 0.33% Cu, 0.03% Co, minor PGE
SE56	Bohemia Basin	Ni, Cu	Gabbroic Ni-Cu	19 million tonnes grading 0.33% Ni, 0.21% Cu, 0.04% Co
SE57	Apex, El Nido	Au, Ag, Cu, Pb, W	Au quartz vein	Produced 622,000 g Au, 93,300 g Ag
SE58	Cobol	Au, Cu, Pb, Zn	Au quartz vein	Produced 3,100 g Au
SE59	Mirror Harbor	Ni, Cu, Co	Gabbroic Ni-Cu	7,300 tonnes grading 1.57% Ni, 0.88% Cu, 0.04% Co
SE60	Baker Peak	Cu	Basaltic Cu(?)	Samples with as much as 2.0 to 7.5% Cu, minor Au, Ag
SE61	Chichagoff, Hirst-Chichagof	Au, Ab, Pb, Cu	Au quartz vein	Produced 24.6 million g Au, 1.24 million g Ag, minor Pb, Cu