MINERAL DEPOSITS IN PARTS OF MOUNT ST. ELIAS (115B) AND DEZADEASH (115A) MAP AREAS, YUKON TERRITORY

MAP 3B

NO.	PROPERTY NAME	COMMODITIES	TYPE	STATUS	LOCATION* EAST	LOCATION* NORTH	CERT
32	Bullion Creek Gypsum	Gypsum	STRATA	S	FT0357300	FT6763700	1
33	H. Thorsen	Au	PLACER	PR	FT0356400	FT6763200	1
34	Freda Group	Ni, Cu	DISS	S	FT0364200	FT6760400	2
35	Cub	Cu, Zn	FLOAT	PR	FT0380600	FT6755200	1
36	Telluride Creek	Coal	STRATA	S	FT0387600	FT6751900	2
37	Kimberley Creek	Coal	STRATA	S	FT0392500	FT6746300	1
37A	Kimberley Creek	Au	PLACER	PR	FT0392500	FT6746300	1
38	Sugden Creek	Coal	STRATA	S	LC0404000	LC6730300	2
39	Sugden Creek	Au	PLACER	PR	LC0400800	LC6730300	2
40	Johobo Property	Cu, Ag	VEIN	P/3647	LC0419200	LC6708100	1
41	Beloud Creek	Au, Cu	PLACER	P/?	LB0424500	LB6699700	1
42	Husky Group	Cu	DISS	S	LB0426900	LB6695800	2
43	Kel Group	Cu	VEIN	S	LB0430600	LB6690700	1
43A	Sandy Claims	Cu	?	S	LB0427400	LB6657200	1
44	Bates Lake	Asbestos	VEIN	S	LB0417000	LB6684600	1
45	Sno Group	Cu	VEIN	S	LB0428100	LB6676100	1
46	Mike Group	Cu	VEIN	PR	LB0431700	LB6670400	2
47	Bates River	Au	PLACER	P/?	LB0408800	LB6669100	2
48	Iron Creek	Au	PLACER	PR	LB0411700	LB6667400	2
49	Iron Creek	Pb, Ag	VEIN	S	LB0412600	LB6667300	2
50	Mohawk and Sky Groups	Ag, Pb, Zn, Cu	VEIN	P/10-15	LB0442200	LB6666200	1
51	Jack Pot Copper Mines Ltd.	Cu	VEIN	PR	LB0442100	LB6658800	1
52	Silver Creek	Au	PLACER	PR	LB0437300	LB6657200	2
52A	Tatshenshini River	Au	PLACER	S	LB0440200	LB6657200	1
53	Squaw (Dollis) Creek	Au	PLACER	P/5077+'	LB0442100	LB6654000	2

*UTM co-ordinates given are those read from maps 115A, B, and C (1:250,000). These co-ordinates differ significantly from those read from 1:50,000 maps.

'Includes production from the British Columbia section of the creek, but the Yukon section may be as low as 100 ounces.

EXPLANATION OF PROPERTY INFORMATION

NO. Property number assigned so that number increases from north to south.

PROPERTY NAME Most commonly used name.

COMMODITIES Elements or industrial minerals are listed in approximate order of decreasing economic importance.

TYPE Commonly used terms which describe the general type of deposit.

- DISS, D = disseminated sulphide
- FLOAT, F = mineralized float
- GCHEM, G = geochemical anomaly
- MASS, M = massive sulphide
- PLACER = placer
- PORPHY, P = porphyry mineralization
- STRATA, S = stratiform deposits of sedimentary origin
- VEIN, V = vein

STATUS Describes the property in terms of its development, size, and production as of December 1974.

- S = showing: dimension and grade are unknown and lacks drilling information or underground workings.
- PR = prospect or developed prospect: an estimate of dimension is available but grade may not be known.
- P/ = producer or past producer: has produced one ton or more except for placer deposits production in crude ounces for placer deposits; all others in tons of ore milled.

LOCATION Properties in Maps 1B and 2B lie in UTM zone 7V; properties in Map 3B lie in UTM zone 8V.

CERT Certainty of location of property
- 1 = located to within a 1.6 km square but usually to within 500 m.
- 2 = located to within a range of a 1.6 to 6 km square.
- 3 = located to within a range of a 6 to 10 km square.

STATUS OF DEPOSIT (1974)	TYPE OF DEPOSIT: Disseminated and Massive	Porphyry	Stratabound	Vein	Float
Showing					F
Prospect					Geochemical Anomaly
Producer, Past Producer 1 - 10000 Tons					A
> 10000 Tons					Placer

COMMODITY

- A ... Asbestos
- C ... Copper
- CO ... Cobalt
- G ... Gold
- GYP ... Gypsum
- L ... Lead
- M ... Molybdenum
- N ... Nickel
- PT ... Platinum
- S ... Silver
- CB ... Coal (sub-bituminous)
- Z ... Zinc

67 – Deposit number; Primary commodity; Dip; Secondary commodity; Type of deposit (shape); Status of deposit (size); Strike; Location; Tertiary commodity

Miles 5 0 5 10 15 20 Miles

Kilometres 5 0 5 10 15 20 25 30 Kilometres

THE DECLINATION OF THE COMPASS NEEDLE 1950

The declination of the compass needle at any place along a red line is the declination given on that red line. Along any other line the declination is between those given on the nearest red lines. The declination of the compass needle is between 31°00'E. and 31°30'E. The declination of the compass needle is decreasing 3 minutes annually.

INDEX MAP

ALEXANDER TERRANE

CENOZOIC

QUATERNARY
PLEISTOCENE AND RECENT
- Qs — Glacial deposits, recent alluvium and colluvium; few if any outcrops
- Qsl — Landslide and rockslide debris

TERTIARY
MIOCENE AND(?) YOUNGER
- TRI — WRANGELL INTRUSIONS: Pulaski, latite porphyry
- Tv — WRANGELL LAVA: basalt, latite; minor rhyolite

OLIGOCENE AND(?) OLDER
- Ts — AMPHITHEATRE FORMATION: sandstone, conglomerate, shale; minor carbonaceous shale, lignite

MESOZOIC & CENOZOIC

CRETACEOUS AND/OR TERTIARY
- KTgd — Hornblende-biotite quartz diorite
- KTdi — Biotite-hornblende diorite
- KTgd — Biotite-hornblende granodiorite

CRETACEOUS
UPPER CRETACEOUS
- Kb — Augite-hornblende gabbro and diorite
- Kpx — Clinopyroxenite; minor hornblende clinopyroxenite

JURASSIC
UPPER JURASSIC
- Jg — Porphyritic gabbro; minor diorite and hornblendite

JURASSIC TO CRETACEOUS
UPPER TRIASSIC TO LOWER CRETACEOUS
- uJKp — Grey phyllite, minor greywacke and conglomerate (includes DEZADEASH FORMATION and upper part of McCARTHY FORMATION)

UPPER TRIASSIC
- uTmr — McCARTHY FORMATION: thin-bedded limestone and argillite
- uTc — NIZINA LIMESTONE and CHITISTONE LIMESTONE (uTm, uTc)
  - uTmc — Upper
  - uTlc — Massive limestone, thin-bedded limestone, limestone breccia
- uTnv — NIKOLAI GREENSTONE (uTnv, uTmv): dark green and maroon amygdaloidal metabasalt, meta-andesite; minor pillow lava, volcanic breccia and conglomerate at base
- uTmr — Thin-bedded limestone; minor chert and argillite

MIDDLE TRIASSIC
- mTg — Dark grey phyllite, minor limestone

PERMIAN AND/OR TRIASSIC AND/OR(?) CRETACEOUS
- Ps, Pu — Pyroxene gabbro; pattern used where boundaries are undefined
- P-Ju — Peridotite; rare dunite. Pattern used where boundaries are undefined

PERMIAN AND(?) PENNSYLVANIAN
LOWER PERMIAN AND(?) OLDER
SKOLAI CREEK FORMATION (Pzs, Pzv)
- Pzg — Siliceous argillite; minor greywacke and conglomerate; rare limestone
- Pzs — Sandstone; minor siliceous argillite and pebble conglomerate
- Pzv — Amygdaloidal pillow basalt, breccia, tuff
- Pzc — Bioclastic limestone, calcarenite
- Pzcg — Pebble to cobble conglomerate

PENNSYLVANIAN AND(?) PERMIAN
STATION CREEK FORMATION (Psv, Psv)
- Psv — Tuff, breccia, siliceous argillite, minor rare meta-andesite flows
- Psv, Pv — Tuff, breccia, meta-andesite and meta-basalt flows; rare argillite. Pattern indicate pillow lava

PALEOZOIC

CARBONIFEROUS AND(?) DEVONIAN
- DCp — Dark grey phyllite
- DCv — Calcareous tuff, breccia, meta-andesite flows; locally chlorite-actinolite schist
- DCc — Thin-bedded limestone and phyllite; limestone
- DCs — Grey phyllite, limy phyllite, siltstone; minor phyllitic limestone

DEVONIAN AND(?) SILURIAN
MIDDLE DEVONIAN AND(?) UPPER SILURIAN
- Ds — Massive, light grey crystalline limestone

CAMBRIAN TO DEVONIAN
- €Ds — Greenstone, greenschist
- €Ds — Massive siltstone, tuffaceous phyllite and greywacke

CAMBRIAN OR ORDOVICIAN
(SILU: CAMBRIAN OR LOWER ORDOVICIAN)
- €Ov — Pyroxenitic meta-andesite and meta-basalt; rare volcanic breccia and limy tuff
- €Oc — Thin-bedded crystalline limestone
- €Owp — Greywacke, phyllite; minor pebble conglomerate

PALEOZOIC (UNDIFFERENTIATED)
- Pzw — Grey phyllite, meta-sandstone; minor meta-grit
- Pv — Meta-andesite flows, tuff, breccia; minor pillow lava indicated by pattern
- Pc — Light to dark grey crystalline limestone
- Pw — Massive green meta-greywacke and -tuff

- Pb — Gabbro, peganitic gabbro, diabase

INTRUSIONS OF UNKNOWN AGE
- γ — Granite
- qm — Quartz monzonite
- gd — Granodiorite
- qd — Quartz diorite
- di — Hornblende diorite

TAKU-SKOLAI TERRANE

QUATERNARY
PLEISTOCENE AND RECENT
- Qs — Glacial deposits, recent alluvium and colluvium; few if any outcrops
- Qsl — Landslide and rockslide debris

TERTIARY
MIOCENE AND(?) YOUNGER
- TRI — WRANGELL INTRUSIONS (TRI, Tdi): Pulaski, latite porphyry
- Tdi — Hornblende-biotite diorite
- Tv — WRANGELL LAVA: basalt, latite; minor rhyolite

OLIGOCENE AND(?) OLDER
- OTp — Biotite quartz latite porphyry
- Ts — AMPHITHEATRE FORMATION: sandstone, conglomerate, shale; minor carbonaceous shale, lignite

CRETACEOUS AND/OR TERTIARY
- KTgd — Hornblende-biotite quartz diorite
- KTdi — Biotite-hornblende diorite
- KTgd — Biotite-hornblende granodiorite

CRETACEOUS
UPPER CRETACEOUS
- Kb — Augite-hornblende gabbro and diorite
- Kpx — Clinopyroxenite; minor hornblende clinopyroxenite

CRETACEOUS AND(?) JURASSIC
LOWER CRETACEOUS AND(?) UPPER JURASSIC
- KJswp — DEZADEASH FORMATION: sandstone, shale, conglomerate; minor tuff

GRAVINA-NUTZOTIN BELT

QUATERNARY
PLEISTOCENE AND RECENT
- Qs — Glacial deposits, recent alluvium and colluvium; few if any outcrops
- Qsl — Landslide and rockslide debris

TERTIARY
MIOCENE AND(?) YOUNGER
- TRI — WRANGELL INTRUSIONS: Pulaski, latite porphyry

OLIGOCENE AND(?) OLDER
- Ts — AMPHITHEATRE FORMATION: sandstone, conglomerate, shale; minor carbonaceous shale, lignite

CRETACEOUS
UPPER CRETACEOUS
- Kb — Augite-hornblende gabbro and diorite
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CRETACEOUS AND(?) JURASSIC
LOWER CRETACEOUS AND(?) UPPER JURASSIC
- KJswp — DEZADEASH FORMATION: sandstone, shale, conglomerate; minor tuff

Geology by P. B. Read, 1974, 1975; C.W.H. Mortes, 1974

Geological cartography by P. B. Read, 1976. This map compiled from sources available as of January 1976.

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GEOLOGICAL SURVEY
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OTTAWA

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