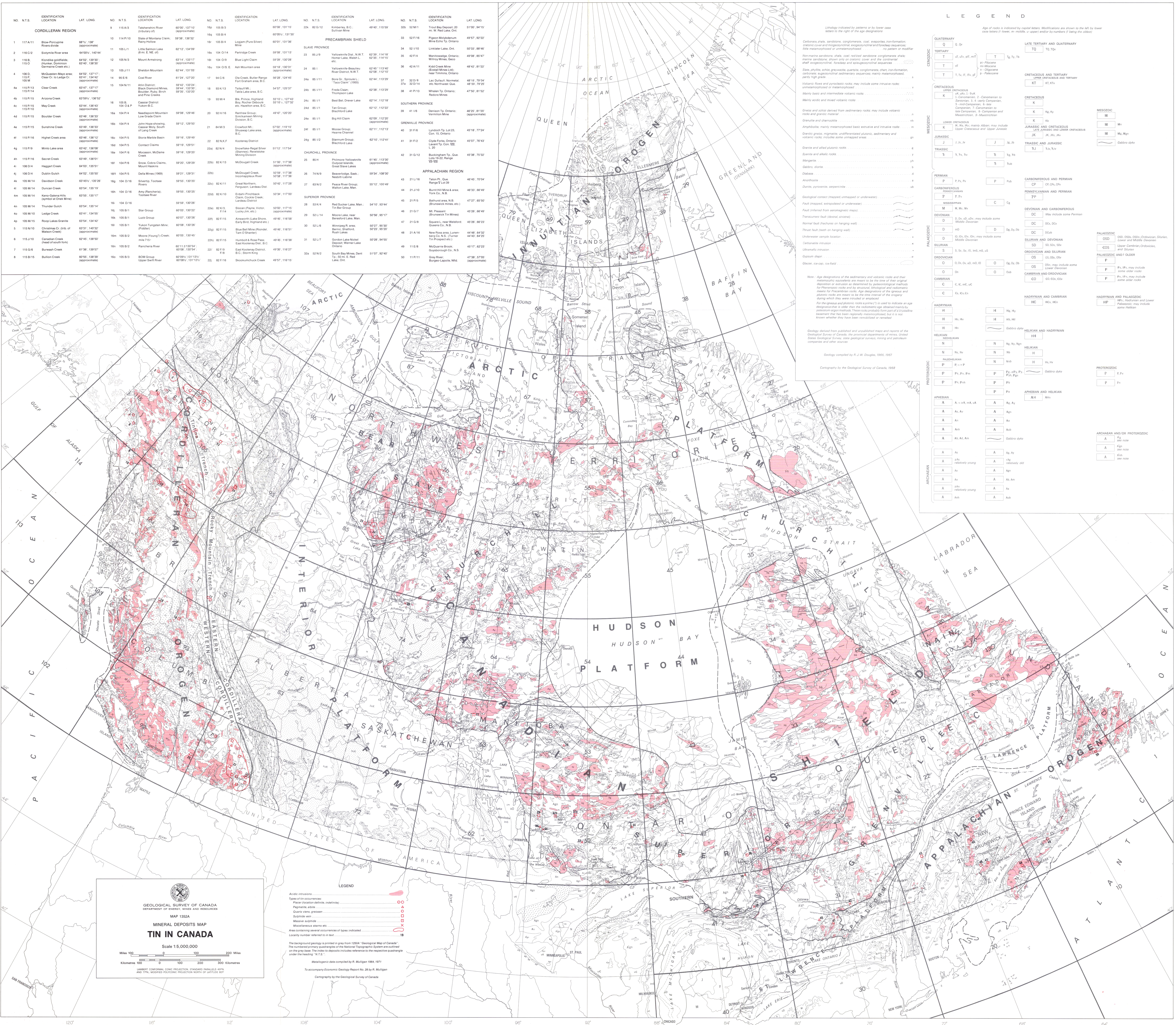
NO.	N.T.S.	IDENTIFICATION LOCATION	LAT. LONG.
		CORDILLERAN REGION	
1	117 A/11	Blow-Porcupine Rivers divide	68°½', 138° (approximate)
2	116 C/2	Sixtymile River area	64°00½', 140°44'
3	116 B, 115 O	Klondike goldfields; (Hunker, Dominion Germaine Creek etc.)	64°02', 139°30'; 63°40', 138°30'
4	106 D, 115 P, 105 M	McQuesten-Mayo area; Clear Cr. to Ledge Cr.	64°02', 137°17'; 63°41', 134°42' (approximate)
4a	115 P/13 115 P/14	Clear Creek	63°47', 137°17' (approximate)
4b	115 P/15	Arizona Creek	63°59½', 136°52'
4c	115 P/15 115 P/10	May Creek	63°44', 136°43' (approximate)
4d	115 P/15	Boulder Creek	63°46', 136°33' (approximate)
4e	115 P/15	Sunshine Creek	63°49', 136°33' (approximate)
4f	115 P/16	Highet Creek area	63°46', 136°12' (approximate)
4g	115 P/9	Minto Lake area	63°42', 136°08' (approximate)
4h	115 P/16	Secret Creek	63°49', 136°01'
4i	106 D/4	Haggart Creek	64°03', 135°51'
4j	106 D/4	Dublin Gulch	64°02', 135°50'
4k	105 M/14	Davidson Creek	63°45½', 135°26'
4l	105 M/14	Duncan Creek	63°54', 135°19'
4m	105 M/14	Keno-Galena Hills (symbol at Onek Mine)	63°55', 135°17'
4n	105 M/14	Thunder Gulch	63°54', 135°14'
4o	105 M/10	Ledge Creek	63°41', 134°55'
4p	105 M/15	Roop Lakes Granite	63°54', 134°42'
5	115 N/10	Christmas Cr. (trib. of Matson Creek)	63°31', 140°32' (approximate)
6	115 J/10	Canadian Creek (head of south fork)	62°45', 138°50'
7	115 G/6	Burwash Creek	61°36', 139°57'
8	115 B/15	Bullion Creek	60°55', 138°39' (approximate)
9	115 A/3	Tatshenshini River (tributary of)	60°00', 137°10' (approximate)
10	114 P/10	State of Montana Claim; Rainy Hollow	59°38', 136°32'
11	105 L/1	Little Salmon Lake (8 mi. E. NE. of)	62°12', 134°09'
12	105 N/3	Mount Armstrong	63°14', 133°17' (approximate)
13	105 J/11	Sheldon Mountain	62°44', 131°05'
14	95 E/6	Coal River	61°24', 127°20'
15	104 N/11	Atlin District; Black Diamond Mines, Boulder, Ruby, Birch and Pine Creeks	59°42', 133°24'; 59°44', 133°30'; 59°35', 133°20'
16	105 B, 104 O & P	Cassiar District Yukon-B.C.	
16a	104 P/4	Needlepoint Mountain Low Grade Claim	59°08', 129°46'
16b	104 P/4	John Hope showing, Cassiar Moly, South of Lang Creek	59°12', 129°50'
16c	104 P/5	Storie Marble Basin	59°16', 129°49'
16d	104 P/5	Contact Claims	59°19', 129°51'
16e	104 P/6	Mocassin, McDame Creek	59°16', 129°20'
16f	104 P/6	Snow, Cobra Claims, Mount Haskins	59°20', 129°29'
16f1	104 P/5	Della Mines (1969)	59°21', 129°31'
16g	104 O/16	Silvertip, Tootsee Rivers	59°55', 130°20'
16h	104 O/16	Amy (Rancheria); Tootsee River	59°55', 130°25'
16i	104 O/16		59°59', 130°26'
16j	105 B/1	Star Group	60°03', 130°22'
16k	105 B/1	Luck Group	60°07', 130°26'
16l	105 B/1	Yukon Tungsten Mine (Fiddler)	60°08', 130°26'
16m	105 B/2	Moore (Young?) Creek; mile 715+	60°05', 130°45'
16n	105 B/2	Rancheria River	60°11.5'130°54'; 60°08', 130°54'
16o	105 B/3	BOM Group Upper Swift River	60°09½', 131°13½'; 60°08½', 131°12½'
16p	105 B/3		60°08', 131°15'
16q	105 B/4		60°05½', 131°30'
16r	105 B/4	Logjam (Pure Silver) Mine	60°01', 131°36'
16s	104 O/14	Partridge Creek	59°58', 131°13'
16t	104 O/9	Blue Light Claim	59°39', 130°28'
16u	104 O/S. E.	Ash Mountain area	59°18', 130°31' (approximate)
17	94 C/6	Ole Creek, Butler Range Fort Graham area, B.C.	56°28', 124°45'
18	93 K/13	Tsitsutl Mt.; Takla Lake area, B.C.	54°57', 125°37'
19	93 M/4	Blk. Prince, Highland Boy, Rocher Déboulé etc. Hazelton area, B.C.	55°10'±, 127°43'; 55°10'±, 127°32'
20	92 H/16	Renfrew Group; Similkameen Mining Division, B.C.	49°47', 120°20'
21	84 M/3	Crowfoot Mt.; Shuswap Lake area, B.C.	57°02', 119°15' (approximate)
22	82 N,K,F	Kootenay District	
22a)	82 N/4	Snowflake-Regal Silver (Stannex); Revelstoke Mining Division	51°12', 117°54'
22b)	82 K/13	McDougall Creek	51°00', 117°38' (approximate)
22b)		McDougall Creek, Incomappleux River	50°59', 117°38'; 50°58', 117°36'
22c)	82 K/11	Great Northern, Ferguson; Lardeau Dist.	50°42', 117°28'
22d)	82 K/10	Erdahl-Pinchbeck Claim, Cockle Creek; Lardeau District	50°34', 117°00'
22e)	82 K/3, F/14	Slocan (Payne, Victor, Lucky Jim, etc.)	50°00', 117°15' (approximate)
22f)	82 F/15	Ainsworth (Lake Shore, Early Bird, Highland etc.)	49°45', 116°58'
22g)	82 F/15	Blue Bell Mine (Riondel, Tam O'Shanter)	49°46', 116°51'
22h)	82 F/15	Humbolt & Rose Pass; East Kootenay Dist., B.C.	49°45', 116°38'
22i'	82 F/9 F/8	East Kootenay District, B.C.; Storm King	49°30', 116°27'
22j	82 F/16	Skookumchuck Creek	49°57', 116°15'
22k	82 G/12	Kimberley, B.C.; Sullivan Mine	49°40', 115°59'
		PRECAMBRIAN SHIELD	
		SLAVE PROVINCE	
23	85 J/9	Yellowknife Dist., N.W.T. Homer Lake, Walsh L. etc.	62°39', 114°18'; 62°35', 114°15'
24	85 I	Yellowknife-Beaulieu River District, N.W.T.	62°45'' 113°40'; 62°08', 112°10'
24a	85 I/11	Bore Gr., Sproule L.; "Taco Claim" (1955)	62°44', 113°29'
24b	85 I/11	Freda Claim; Thompson Lake	62°38', 113°29'
24c	85 I/1	Best Bet; Drever Lake	62°14', 112°18'
24d	85 I/1	Tan Group; Blachford Lake	62°12', 112°22'
24e	85 I/1	Big Hill Claim	62°09', 112°20' (approximate)
24f	85 I/1	Moose Group; Hearne Channel	62°11', 112°13'
24g	85 I/2	Stannum Group; Blachford Lake	62°10', 112°41'
		CHURCHILL PROVINCE	
25	85 H	Philmore-Yellowknife Outpost Islands; Great Slave Lakes	61°45', 113°30' (approximate)
26	74 N/9	Beaverlodge, Sask.; Nesbitt-Labine	59°34', 108°30'
27	63 N/2	Peace River Group; Walton Lake, Man.	55°12', 100°49'
		SUPERIOR PROVINCE	
28	53 K/4	Red Sucker Lake, Man.; Tin Bar Group	54°10', 93°44'
29	52 L/14	Moore Lake, near Beresford Lake, Man.	50°56', 95°17'
30	52 L/6	Winnipeg R. area; Bernic, Shatford, Rush Lakes	50°27', 95°30'; 50°23', 95°20'
31	52 L/7	Gordon Lake Nickel Deposit; Werner Lake Ontario	50°28', 94°55'
32a	52 N/2	South Bay Mines, Dent Tp.; 50 mi. E. Red Lake, Ont.	51°07', 92°40'
32b	52 M/1	Trout Bay Deposit; 20 mi. W. Red Lake, Ont.	51°00', 94°15'
33	52 F/16	Pigeon Molybdenum Mine Echo Tp. Ontario	49°57', 92°22'
34	52 I/10	Linklater Lake, Ont.	50°33', 88°46'
35	42 F/4	Manitowadge, Ontario; Willroy Mines, Geco	49°08', 85°47'
36	42 A/11	Kidd Creek Mine (Ecstall Mines Ltd); near Timmins, Ontario	48°42', 81°22'
37 37a	32 D/6 32 D/14	Lac Dufault, Normetal, etc. Northwest Que.	48°18', 79°04' 48°59', 79°25'
38	41 P/13	Whalen Tp. Ontario; Redore Mines	47°50', 81°52'
		SOUTHERN PROVINCE	
39	41 I/6	Denison Tp. Ontario; Vermilion Mine	46°25', 81°20' (approximate)
		GRENVILLE PROVINCE	
40	31 F/6	Lyndoch Tp. Lot 23, Con. 15, Ontario	45°18', 77°24'
41	31 F/2	Clyde Forks, Ontario Lavant Tp. Con. VIII, L. 20	45°07', 76°43'
42	31 G/12	Buckingham Tp., Que. Lots 19-22, Range VII-VIII	45°38', 75°32'
		APPALACHIAN REGION	
43	21 L/16	Talon Pt., Que. Range V Lot 39	46°45', 70°04'
44	21 J/10	Burnt Hill Mine & area; York Co., N.B.	46°33', 66°49'
45	21 P/5	Bathurst area, N.B. (Brunswick mines, etc.)	47°27', 65°50'
46	21 G/7	Mt. Pleasant (Brunswick Tin Mines)	45°26', 66°49'
47	21 G/8	Square L. near Welsford; Queens Co., N.B.	45°26', 66°23'
48	21 A/16	New Ross area, Lunenberg Co, N.S.; (Turner Tin Prospect etc.)	44°48', 64°32'; 44°43', 64°25'
49	11 E/8	McQuarrie Brook; Guysborough Co., N.S.	45°17', 62°23'
50	11 P/11	Grey River; Burgeo-Lapoile, Nfld.	47°38', 57°05' (approximate)



L E G E N D

Lithology indicated by patterns or by lower case letters to the right of the age designations

- *Carbonate, shale, sandstone, conglomerate, coal, evaporites, iron-formation; cratonic cover and miogeosynclinal, exogeosynclinal and foredeep sequences; little metamorphosed or unmetamorphosed* ...... no pattern or modifier
- *Non-marine sandstone, shale, coal; red-bed sandstone conglomerate shale; marine sandstone; shown only on cratonic cover and the continental shelf exogeosynclinal, foredeep and epieugeosynclinal sequences*
- *Slate, phyllite, schist, greywacke, quartzite, conglomerate, chert, iron-formation, carbonate; eugeosynclinal sedimentary sequences; mainly metamorphosed, partly high grade* ...... s
- *Volcanic flows and pyroclastic rocks; may include some intrusive rocks; unmetamorphosed or metamorphosed* v
- *Mainly basic and intermediate volcanic rocks*
- *Mainly acidic and mixed volcanic rocks*
- *Gneiss and schist derived from sedimentary rocks; may include volcanic rocks and granitic material* ...... n
- *Granulite and charnockite* ...... nh
- *Amphibolite; mainly metamorphosed basic extrusive and intrusive rocks* ...... m
- *Granitic gneiss, migmatite; undifferentiated plutonic, sedimentary and volcanic rocks; includes some unmapped areas* ...... gn
- *Granite and allied plutonic rocks* ...... g
- *Syenite and alkalic rocks* ...... y
- *Mangerite* ...... yh
- *Gabbro, diorite* ...... b
- *Diabase* ...... d
- *Anorthosite* ...... a
- *Dunite, pyroxenite, serpentinite* ...... ub
- *Geological contact (mapped, unmapped or underwater)*
- *Fault (mapped, extrapolated or underwater)*
- *Fault (inferred from aeromagnetic maps)*
- *Transcurrent fault (dextral, sinistral)*
- *Normal fault (hachures on hanging wall)*
- *Thrust fault (teeth on hanging wall)*
- *Underwater sample location* ...... ∘
- *Carbonatite intrusion* ...... ×
- *Ultramafic intrusion* ...... •
- *Gypsum diapir*
- *Glacier, ice-cap, ice-field*

Note: Age designations of the sedimentary and volcanic rocks and their metamorphic equivalents are meant to be the time of their original deposition or extrusion as determined by palaeontological methods for Phanerozoic rocks and by structural, lithological and radiometric means for Precambrian rocks. Age designations of the igneous and plutonic rocks are meant to be the time interval of the orogeny during which they were intruded or emplaced

For the igneous and plutonic rocks a prime (') is used to indicate an age designation that is older than the radiometric age obtained mainly by potassium-argon methods. These rocks probably form part of a crystalline basement that has been regionally metamorphosed, but it is not known whether they have been remobilized or remelted

Geology derived from published and unpublished maps and reports of the Geological Survey of Canada, the provincial departments of mines, United States Geological Survey, state geological surveys, mining and petroleum companies and other sources

Geology compiled by R. J. W. Douglas, 1966, 1967

Cartography by the Geological Survey of Canada, 1968

Age of rocks is indicated by capital letters. Modifications are shown to the left by lower case letters (l - lower, m - middle, u - upper) and/or by numbers (1 being the oldest)

CENOZOIC

QUATERNARY
- Q — Q, Qv

TERTIARY
- T — uT, uTv, plT, miT
- T — oT
- T — T, Tv, lT, lTv, pT
- pl - Pliocene, mi - Miocene, o - Oligocene, p - Paleocene
- T — Tg, Ty, Tb

LATE TERTIARY AND QUATERNARY
- TQ — TQ, TQv

CRETACEOUS AND TERTIARY
UPPER CRETACEOUS AND TERTIARY
- KT — KT, KTv

MESOZOIC

CRETACEOUS
UPPER CRETACEOUS
- K — uK, uKv, 1-9uK 1-Cenomanian, 2-Cenomanian to Santonian, 3, 4-early Campanian, 5-mid-Campanian, 6-late Campanian, 7-Cenomanian to late Campanian, 8-Campanian and Maestrichtian, 9-Maestrichtian

LOWER CRETACEOUS
- K — lK, lKs, lKv; mainly Albian; may include Upper Cretaceous and Upper Jurassic

JURASSIC
- J — J, Js, Jv
- J — Jg, Jb

TRIASSIC
- TR — TR, TRs, TRv
- TR — TRg, TRb
- TR — TRub

CRETACEOUS
- K
- K — Kg, Ky
- K — Kb

JURASSIC AND CRETACEOUS
LATE JURASSIC AND LOWER CRETACEOUS
- JK — JK, JKs, JKv

TRIASSIC AND JURASSIC
- TRJ — TRJs, TRJv

MESOZOIC
- M
- M — Mn
- M — Mg, Mgn
- Gabbro dyke

PALAEOZOIC

PERMIAN
- P — P, Ps, Pv
- P — Pub

CARBONIFEROUS
PENNSYLVANIAN
- P — P, Pv

MISSISSIPPIAN
- M — M, Ms, Mv
- C — Cg

DEVONIAN
- D — D, Dv, uD, uDv; may include some Middle Devonian
- D — mD
- D — Dg, Dy, Db
- D — lD, lDs, lDv, lDn; may include some Middle Devonian

SILURIAN
- S — S, Ss, Sv, lS, lmS, mS, uS

ORDOVICIAN
- O — O, Os, Ov, uO, mO, lO
- O — Og, Oy, Ob
- O — On
- O — Oub

CAMBRIAN
- Є — Є, lЄ, mЄ, uЄ
- Є — Єs, lЄv, Єn

CARBONIFEROUS AND PERMIAN
- CP — CP, CPs, CPv

PENNSYLVANIAN AND PERMIAN
- PP

DEVONIAN AND CARBONIFEROUS
- DC — May include some Permian
- DC — DCs, DCv
- DC — DCub

SILURIAN AND DEVONIAN
- SD — SD, SDs, SDv

ORDOVICIAN AND SILURIAN
- OS — OS, OSs, OSv
- OS — OSn; may include some Lower Devonian

CAMBRIAN AND ORDOVICIAN
- ЄO — ЄO, ЄOs, ЄOv

PALAEOZOIC
- OSD — OSD, OSDs, OSDn; Ordovician, Silurian, Lower and Middle Devonian
- ЄOS — Upper Cambrian, Ordovician, and Silurian

PALAEOZOIC AND ? OLDER
- P
- P — Ps, lPs, may include some older rocks
- P — Pn, lPn, may include some older rocks

HADRYNIAN AND CAMBRIAN
- HЄ — HЄs, HЄn

HADRYNIAN AND PALAEOZOIC
- HP — HPs; Hadrynian and Lower Palaeozoic; may include some Helikian

PROTEROZOIC

HADRYNIAN
- H
- H — Hs, Hv
- H — Hn
- H — Hg, Hy
- H — Hb, Hd
- Gabbro dyke

HELIKIAN
NEOHELIKIAN
- N
- N — Ns, Nv
- N — Ng, Ny, Ngn
- N — Nb
- N — Nub

PALEOHELIKIAN
- ℙ — ℙ, 1-7ℙ
- ℙ — ℙs, ℙv, ℙm
- ℙ — ℙn, ℙnh
- ℙ — ℙg, 2ℙy, ℙy, ℙyh, ℙgn
- ℙ — ℙb
- ℙ — ℙa

HELIKIAN AND HADRYNIAN
- HH

HELIKIAN
- H
- H — Hs, Hv
- Gabbro dyke

APHEBIAN
- A — A, 1-3A, mA, uA
- A — As, Av
- A — An
- A — Anh
- A — Ab, Ad, Am
- A — Ag, Ay
- A — Agn
- A — Aa
- A — Aub
- Gabbro dyke

APHEBIAN AND HELIKIAN
- AH — AHn

PROTEROZOIC
- P — P, Pv
- P — Pn

ARCHAEAN
- A — As
- A — 2As relatively young
- A — Av
- A — An
- A — 2An relatively young
- A — Anh
- A — Ag, Ay
- A — 1Ag relatively old
- A — Agn
- A — Ab, Am
- A — Aa
- A — Aub

ARCHAEAN AND/OR PROTEROZOIC
- A — A'g see note
- A — A'gn see note
- A — A'nh see note

GEOLOGICAL SURVEY OF CANADA
DEPARTMENT OF ENERGY, MINES AND RESOURCES

MAP 1352A

MINERAL DEPOSITS MAP

TIN IN CANADA

Scale 1:5,000,000

Miles 100 0 100 200 Miles

Kilometres 100 0 100 200 300 Kilometres

LAMBERT CONFORMAL CONIC PROJECTION, STANDARD PARALLELS 49°N. AND 77°N.; MODIFIED POLYCONIC PROJECTION NORTH OF LATITUDE 80°

LEGEND

- Acidic intrusions
- Types of tin occurrences:
  - Placer (location definite, indefinite) ⊙ ○
  - Pegmatite, albite △
  - Quartz viens, greissen ○
  - Sulphide vein □
  - Massive sulphide ⊡
  - Miscellaneous skarns etc. ×
- Area containing several occurrences of types indicated
- Locality number referred to in text 19

The background geology is printed in grey from 1250A "Geological Map of Canada". The numbered primary quadrangles of the National Topographic System are outlined on the grey base. The index to deposits includes reference to the respective quadrangle under the heading "N.T.S.".

Metallogenic data compiled by R. Mulligan 1964, 1971

To accompany Economic Geology Report No. 28 by R. Mulligan

Cartography by the Geological Survey of Canada

Published, 1973
Printed by the Surveys and Mapping Branch

Copies of this map may be obtained from the Geological Survey of Canada, Ottawa

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