



GEOLOGICAL SURVEY OF CANADA / COMMISSION GÉOLOGIQUE DU CANADA
 MAP LIBRARY / CARTOTHEQUE
 MAP 1588A
 MINERAL DEPOSIT MAP
BARIUM, STRONTIUM AND FLUORINE IN CANADA
 Scale 1:5 000 000
 Kilometers 0 100 200 300 400
 Latest CONFORMAL CONIC PROJECTION, STANDARD PARALLELS 49°N AND 55°N, ASSUMED POLAR PROJECTION NORTH OF 60°N
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LEGEND

Major Elements	Past producer, producer, developed prospect, 1979	Occurrences, 1979
Barium	▲	▲
Strontium	△	△
Fluorine	○	○
Other	□	□
Barium	○	○
Strontium	△	△
Fluorine	□	□
Other	○	○

Unpublished Deposits
 Barium: ○
 Strontium: △
 Fluorine: □
 Other: ○

Tectonic province boundary
 Tectonic subprovince boundary

Compiled by K.R. Davison, 1979
 To accompany Economic Geology Report 34 by K.R. Davison
 The background geology is printed in grey from 1958 "Geological Map of Canada". The numbers, primary quadrangles of the National Topographic System are outlined in the grey base.
 NTS (National Topographic System) primary quadrangle—sequence numbers (e.g. 3154). Only sequence numbers have been shown on this map.
 Geological cartography by K.A. Thomson

Lithology indicated by patterns or by lower case letters to the right of the age designations.
 Carbonate shale, sandstone, conglomerate, coal, evaporite, iron-formation, igneous and metamorphic, sedimentary and tectonic structures
 No pattern or modifier
 Non-marine sandstone, shale, coal, red-bed sandstone, conglomerate, shale, evaporite, igneous, shown only on volcanic cover and the continental shelf, argillaceous, turbidite and argillaceous sequences
 State, dyke, and gneiss, quartzite, conglomerate, chert, iron formation, carbonate, argillaceous, and argillaceous sequences, chiefly metamorphic, partly high grade
 Volcanic flow and pyroclastic rocks, may include some intrusive rocks, unmetamorphosed or metamorphosed
 Metally basic and intermediate volcanic rocks
 Metally acidic and mixed volcanic rocks
 Dikes and other derived from sedimentary rocks, may include volcanic rocks and granitic material
 Granite and diorite
 Amphibolite, mostly unmetamorphosed basic and acidic rocks
 Dioritic gneiss, migmatite, unmetamorphosed plutonic, sedimentary and volcanic rocks, includes some unmetamorphosed areas
 Granite and other plutonic rocks
 Gneiss and other rocks
 Metagabbro
 Gabbro, diorite
 Diabase
 Amphibolite
 Diorite, pyroxenite, assemblage
 Geological contact (unmetamorphosed or unmetamorphosed)
 Fault (implied, entrapment or unmetamorphosed)
 Fault (inferred from aeromagnetic mass)
 Transform fault (oblique, sinistral)
 Normal fault (thrusting on hanging wall)
 Thrust fault (thrust on hanging wall)
 Underwater sample location
 Carbonate intrusion
 Ultramafic intrusion
 Plutonic dike
 Glacier, ice-cap, ice-sheet
 Note: Age designations of the sedimentary and volcanic rocks and metamorphic structures are related to the time of their deposition or formation, and not necessarily to the time of their metamorphism. For the igneous and plutonic rocks, age designations are related to the time of their crystallization, and not necessarily to the time of their emplacement or erosion.
 For the igneous and plutonic rocks, a series (1) is used to indicate an age designations in order that the radiometric age obtained mainly by potassium-argon methods. These radiometric ages are of a crystalline nature, but have been generally metamorphosed, but it is not known whether they have been remobilized or eroded.
 Geology derived from published and unpublished maps and reports of the Geological Survey of Canada, the provincial departments of mines, United States Geological Survey, and provincial surveys, mining and petroleum companies and other sources.
 Geology compiled by K.R. Davison, 1979
 Cartography by the Geological Survey of Canada, 1978

LEGEND

Age of rocks is indicated by capital letters. Modifications are shown to the left by lower case letters (1-9), to the right by numbers (1-9) (being the oldest).

QUATERNARY	LATE TERTIARY AND QUATERNARY	CRETACEOUS AND TERTIARY	CRETACEOUS	MESOZOIC	JURASSIC	TRASSIC	PERMIAN	CARBONIFEROUS	DEVONIAN	PALEOZOIC	PROTEROZOIC	ARCHAIC		
Q, Qv	Q, Qv	CT, CTv, CTw	K	U, Uv, Uv1, Uv2, Uv3, Uv4, Uv5, Uv6, Uv7, Uv8, Uv9, Uv10, Uv11, Uv12, Uv13, Uv14, Uv15, Uv16, Uv17, Uv18, Uv19, Uv20, Uv21, Uv22, Uv23, Uv24, Uv25, Uv26, Uv27, Uv28, Uv29, Uv30, Uv31, Uv32, Uv33, Uv34, Uv35, Uv36, Uv37, Uv38, Uv39, Uv40, Uv41, Uv42, Uv43, Uv44, Uv45, Uv46, Uv47, Uv48, Uv49, Uv50, Uv51, Uv52, Uv53, Uv54, Uv55, Uv56, Uv57, Uv58, Uv59, Uv60, Uv61, Uv62, Uv63, Uv64, Uv65, Uv66, Uv67, Uv68, Uv69, Uv70, Uv71, Uv72, Uv73, Uv74, Uv75, Uv76, Uv77, Uv78, Uv79, Uv80, Uv81, Uv82, Uv83, Uv84, Uv85, Uv86, Uv87, Uv88, Uv89, Uv90, Uv91, Uv92, Uv93, Uv94, Uv95, Uv96, Uv97, Uv98, Uv99, Uv100	U, Uv, Uv1, Uv2, Uv3, Uv4, Uv5, Uv6, Uv7, Uv8, Uv9, Uv10, Uv11, Uv12, Uv13, Uv14, Uv15, Uv16, Uv17, Uv18, Uv19, Uv20, Uv21, Uv22, Uv23, Uv24, Uv25, Uv26, Uv27, Uv28, Uv29, Uv30, Uv31, Uv32, Uv33, Uv34, Uv35, Uv36, Uv37, Uv38, Uv39, Uv40, Uv41, Uv42, Uv43, Uv44, Uv45, Uv46, Uv47, Uv48, Uv49, Uv50, Uv51, Uv52, Uv53, Uv54, Uv55, Uv56, Uv57, Uv58, Uv59, Uv60, Uv61, Uv62, Uv63, Uv64, Uv65, Uv66, Uv67, Uv68, Uv69, Uv70, Uv71, Uv72, Uv73, Uv74, Uv75, Uv76, Uv77, Uv78, Uv79, Uv80, Uv81, Uv82, Uv83, Uv84, Uv85, Uv86, Uv87, Uv88, Uv89, Uv90, Uv91, Uv92, Uv93, Uv94, Uv95, Uv96, Uv97, Uv98, Uv99, Uv100	J, Jv, Jv1, Jv2, Jv3, Jv4, Jv5, Jv6, Jv7, Jv8, Jv9, Jv10, Jv11, Jv12, Jv13, Jv14, Jv15, Jv16, Jv17, Jv18, Jv19, Jv20, Jv21, Jv22, Jv23, Jv24, Jv25, Jv26, Jv27, Jv28, Jv29, Jv30, Jv31, Jv32, Jv33, Jv34, Jv35, Jv36, Jv37, Jv38, Jv39, Jv40, Jv41, Jv42, Jv43, Jv44, Jv45, Jv46, Jv47, Jv48, Jv49, Jv50, Jv51, Jv52, Jv53, Jv54, Jv55, Jv56, Jv57, Jv58, Jv59, Jv60, Jv61, Jv62, Jv63, Jv64, Jv65, Jv66, Jv67, Jv68, Jv69, Jv70, Jv71, Jv72, Jv73, Jv74, Jv75, Jv76, Jv77, Jv78, Jv79, Jv80, Jv81, Jv82, Jv83, Jv84, Jv85, Jv86, Jv87, Jv88, Jv89, Jv90, Jv91, Jv92, Jv93, Jv94, Jv95, Jv96, Jv97, Jv98, Jv99, Jv100	T, T1, T2, T3, T4, T5, T6, T7, T8, T9, T10, T11, T12, T13, T14, T15, T16, T17, T18, T19, T20, T21, T22, T23, T24, T25, T26, T27, T28, T29, T30, T31, T32, T33, T34, T35, T36, T37, T38, T39, T40, T41, T42, T43, T44, T45, T46, T47, T48, T49, T50, T51, T52, T53, T54, T55, T56, T57, T58, T59, T60, T61, T62, T63, T64, T65, T66, T67, T68, T69, T70, T71, T72, T73, T74, T75, T76, T77, T78, T79, T80, T81, T82, T83, T84, T85, T86, T87, T88, T89, T90, T91, T92, T93, T94, T95, T96, T97, T98, T99, T100	C, C1, C2, C3, C4, C5, C6, C7, C8, C9, C10, C11, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22, C23, C24, C25, C26, C27, C28, C29, C30, C31, C32, C33, C34, C35, C36, C37, C38, C39, C40, C41, C42, C43, C44, C45, C46, C47, C48, C49, C50, C51, C52, C53, C54, C55, C56, C57, C58, C59, C60, C61, C62, C63, C64, C65, C66, C67, C68, C69, C70, C71, C72, C73, C74, C75, C76, C77, C78, C79, C80, C81, C82, C83, C84, C85, C86, C87, C88, C89, C90, C91, C92, C93, C94, C95, C96, C97, C98, C99, C100	P, P1, P2, P3, P4, P5, P6, P7, P8, P9, P10, P11, P12, P13, P14, P15, P16, P17, P18, P19, P20, P21, P22, P23, P24, P25, P26, P27, P28, P29, P30, P31, P32, P33, P34, P35, P36, P37, P38, P39, P40, P41, P42, P43, P44, P45, P46, P47, P48, P49, P50, P51, P52, P53, P54, P55, P56, P57, P58, P59, P60, P61, P62, P63, P64, P65, P66, P67, P68, P69, P70, P71, P72, P73, P74, P75, P76, P77, P78, P79, P80, P81, P82, P83, P84, P85, P86, P87, P88, P89, P90, P91, P92, P93, P94, P95, P96, P97, P98, P99, P100	D, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, D11, D12, D13, D14, D15, D16, D17, D18, D19, D20, D21, D22, D23, D24, D25, D26, D27, D28, D29, D30, D31, D32, D33, D34, D35, D36, D37, D38, D39, D40, D41, D42, D43, D44, D45, D46, D47, D48, D49, D50, D51, D52, D53, D54, D55, D56, D57, D58, D59, D60, D61, D62, D63, D64, D65, D66, D67, D68, D69, D70, D71, D72, D73, D74, D75, D76, D77, D78, D79, D80, D81, D82, D83, D84, D85, D86, D87, D88, D89, D90, D91, D92, D93, D94, D95, D96, D97, D98, D99, D100	S, S1, S2, S3, S4, S5, S6, S7, S8, S9, S10, S11, S12, S13, S14, S15, S16, S17, S18, S19, S20, S21, S22, S23, S24, S25, S26, S27, S28, S29, S30, S31, S32, S33, S34, S35, S36, S37, S38, S39, S40, S41, S42, S43, S44, S45, S46, S47, S48, S49, S50, S51, S52, S53, S54, S55, S56, S57, S58, S59, S60, S61, S62, S63, S64, S65, S66, S67, S68, S69, S70, S71, S72, S73, S74, S75, S76, S77, S78, S79, S80, S81, S82, S83, S84, S85, S86, S87, S88, S89, S90, S91, S92, S93, S94, S95, S96, S97, S98, S99, S100	O, O1, O2, O3, O4, O5, O6, O7, O8, O9, O10, O11, O12, O13, O14, O15, O16, O17, O18, O19, O20, O21, O22, O23, O24, O25, O26, O27, O28, O29, O30, O31, O32, O33, O34, O35, O36, O37, O38, O39, O40, O41, O42, O43, O44, O45, O46, O47, O48, O49, O50, O51, O52, O53, O54, O55, O56, O57, O58, O59, O60, O61, O62, O63, O64, O65, O66, O67, O68, O69, O70, O71, O72, O73, O74, O75, O76, O77, O78, O79, O80, O81, O82, O83, O84, O85, O86, O87, O88, O89, O90, O91, O92, O93, O94, O95, O96, O97, O98, O99, O100	H, H1, H2, H3, H4, H5, H6, H7, H8, H9, H10, H11, H12, H13, H14, H15, H16, H17, H18, H19, H20, H21, H22, H23, H24, H25, H26, H27, H28, H29, H30, H31, H32, H33, H34, H35, H36, H37, H38, H39, H40, H41, H42, H43, H44, H45, H46, H47, H48, H49, H50, H51, H52, H53, H54, H55, H56, H57, H58, H59, H60, H61, H62, H63, H64, H65, H66, H67, H68, H69, H70, H71, H72, H73, H74, H75, H76, H77, H78, H79, H80, H81, H82, H83, H84, H85, H86, H87, H88, H89, H90, H91, H92, H93, H94, H95, H96, H97, H98, H99, H100	A, A1, A2, A3, A4, A5, A6, A7, A8, A9, A10, A11, A12, A13, A14, A15, A16, A17, A18, A19, A20, A21, A22, A23, A24, A25, A26, A27, A28, A29, A30, A31, A32, A33, A34, A35, A36, A37, A38, A39, A40, A41, A42, A43, A44, A45, A46, A47, A48, A49, A50, A51, A52, A53, A54, A55, A56, A57, A58, A59, A60, A61, A62, A63, A64, A65, A66, A67, A68, A69, A70, A71, A72, A73, A74, A75, A76, A77, A78, A79, A80, A81, A82, A83, A84, A85, A86, A87, A88, A89, A90, A91, A92, A93, A94, A95, A96, A97, A98, A99, A100

