MINERAL DEVELOPMENT DIVISION
DEPARTMENT OF MINES AND ENERGY
GOVERNMENT OF NEWFOUNDLAND AND LABRADOR

LEGEND

QUATERNARY

Q — *Surficial deposits, mostly glacial or fluvial in origin.*

APHEBIAN

INTRUSIVE ROCKS

12 — **MICHAEL GABBRO:** *Coarse to medium grained pyroxene-olivine gabbro, minor hornblende-biotite gabbro to diorite. Dated at 1461 ± 96 Ma by Fahrig and Loveridge (1981).*

11 — **MONKEY HILL, STRAWBERRY AND OCTOBER HARBOUR GRANITES:** *Pink to white, medium to coarse grained leucocratic granites — locally porphyritic and graphic, commonly pegmatitic — K-Ar ages range from 1565 Ma to 1645 Ma.*

10 — **BENEDICT MOUNTAINS INTRUSIVE SUITE AND PRESUMED EQUIVALENTS:** *Medium to coarse grained quartz monzonites, granodiorites and granites, locally porphyritic. Includes Walker Lake, Benedict and Burnt Lake Granites, dated at 1550 - 1650 Ma. Also includes the Island Harbour Bay Plutonic Suite (Ryan and Kay, 1981) north and west of Kaipokok Bay, which is tentatively assumed to be correlative.*

9 — **ADLAVIK INTRUSIVE SUITE:** *Pyroxenite, gabbro, leucogabbro with lesser diabase, diorite and leucodiorite. Possibly a layered intrusion of originally lopolithic shape.*

8 — **SYNKINEMATIC INTRUSIVE ROCKS:** *Foliated to gneissic quartz monzonite, granodiorite and granite. Includes remobilized Hopedale Complex lithologies in the Kitts - Post Hill Belt. Age uncertain, presumed to be Hudsonian.*

UPPER AILLIK GROUP

7 — **FELSIC VOLCANIC ASSEMBLAGE:** *Porphyritic and nonporphyritic rhyolites, ash flow tuffs, ash fall tuffs and volcanic breccias and agglomerates. Volcanic rocks are locally intercalated with metasedimentary rocks of probable volcaniclastic origin. Includes hypabyssal intrusive rocks of subvolcanic aspect. Widespread U-Mo mineralization.*

6 — *Mafic tuff, tuffaceous sandstones, minor basaltic breccia and pillow lava. Includes minor undivided diorite to amphibolite.*

5 — **METASEDIMENTARY ASSEMBLAGE:** *Subaqueous gray to pink tuffaceous sandstones and siltstones, with intercalated conglomerates, breccias, limestones, ironstones and felsic tuffs. Upper portion of assemblage contains much conglomerate and breccia of volcanic origin and is probably of terrestrial origin.*

LOWER AILLIK GROUP

4 — **KITTS PILLOW LAVA FORMATION:** *Mafic pillow lava, mafic tuffs and derived amphibolite. Includes thin intercalated sedimentary units consisting of chert, argillite and tuffaceous sandstone which host uranium mineralization.*

3 — *Dark gray quartzofeldspathic sandstone and siltstone, graphitic and pyritic siltstone, psammitic and semipelitic schist.*

2 — **POST HILL AMPHIBOLITE:** *Fine grained dark green and gray hornblende schist. Includes similar amphibolitic rock infolded with Archean gneisses north and west of Kaipokok Bay, which are presumed to be equivalent.*

ARCHEAN

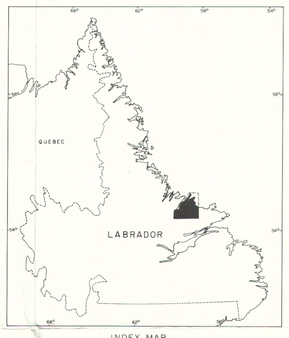
1 — **HOPEDALE GNEISS COMPLEX:** *Banded granodioritic gneisses and migmatites, with subordinate amphibolite and mylonite. Displays a complex deformational history, including both Archean and Hudsonian events.*

SYMBOLS

Geological contact (approximate) ——
(For reliability see geological map of the area)

Fold axes with plunge (antiform, synform)

Fault zone ~~~~



INDEX MAP

For information concerning precise definition and orientation of geological contacts and structural elements, and for a more complete subdivision of mappable units, the user should consult geological maps of the area published by the Mineral Development Division.

Published 1983

MINERAL OCCURRENCE SYMBOLS

Commodity Abbreviations:				Mineral Abbreviations:					
Cu	Copper	Ni	Nickel	amz	amazonite	gn	galena	py	pyrite
Fsp	Fluorspar	Pyr	Pyrite	asp	arsenopyrite	hem	hematite	po	pyrrhotite
Gem	Gemstone	Po	Pyrrhotite	bo	bornite	mag	magnetite	sp	sphalerite
Au	Gold	Ag	Silver	cp	chalcopyrite	mo	molybdenite	ur	uraninite
Pb	Lead	U	Uranium	fl	fluorite	ptbl	pitchblende		
Mo	Molybdenum	Zn	Zinc						

Status:

1 - Producer
2 - Developed Prospect
3 - Past Producer - dormant
4 - Past Producer - exhausted
5 - Prospect
6 - Showing
7 - Indication

NMI	NAME	STATUS	MINERALS PRESENT
13J/12/Cu001	McCrae Showing	6	cp, mag, sp
Cu002	Kaipokok Bay Southwest	7	cp
Cu003	Melody Hill North	7	cp
U001	Michelin Prospect	2	ptbl
U002	Dufus Pond	6	(U)
U003	Saroj Lake	6	(U)
U004	Fiddle Pond	6	(U)
U005	Axehandle Showing	6	(U)
U006	Asha Pond	6	(U)
U007	Beaver Bog Showings	6	(U)
U008	Kainbow Deposit	2	ur, (ptbl)
U009	Chitra Lake	5	ur
U010	Paquin Showing	6	(U)
U011	Burnt Lake South	6	ur, mo, sp, gn, hem, fl, py
U012	Burnt Lake North (Main Zone)	2	ur,sp,gn,mo, (Au,Ag), fl,py
U013	Emben Main Zone	6	(U, Mo, Zn, Cu)
U014	Emben West Zone	7	(U)
U015	Emben Central Zone	7	(U)
U016	Emben South Zone	7	(U), py, po
U017	Mclean Lake	6	(U)
U018	Mikey Lake	6	(U)
U019	Munna Lake	6	(U)
U020	Mustang Lake No. 1	7	(U)
U021	Mustang Lake No. 2	7	(U)
U022	Mustang Lake No. 3	7	(U)
U023	Steep Showing	7	(U)
U024	Hijack Showing	7	(U)
U025	South Showing	7	(U)
U026	Aurora River No. 1	6	(U)
U027	Aurora River No. 2	6	(U)
U028	Aurora River No. 3	6	(U)
U029	Aurora River No. 4	6	(U)
U030	Aurora River No. 5	6	(U)
U031	Aurora River No. 6	6	(U)
U032	Aurora River No. 7	6	(U)
U033	Aurora River Extension No. 1	7	(U)
U034	Aurora River Extension No. 2	7	(U)
U035	Burnt Brook North	6	(U)
U036	Burnt Brook South	6	(U)
U037	Gayle Zone No. 1	6	(U)
U038	Gayle Zone No. 2	6	(U)
U039	Kathy Zone No. 1	6	ptbl
U040	Kathy Zone No. 2	6	ptbl
13J/13/Cu001	Two Shoes Lake	6	(cp), py, po
Cu002	Jeffs Lake	7	(cp), py
Cu003	Witch Lake No. 2	6	cp, py, po
Cu004	S. Witch Lake No. 1	6	cp, py, po
Cu005	Post Hill No. 1	7	cp, bo
Cu006	Chaulk Showing	6	(cp), py
Cu007	Punch Lake Southwest	7	cp, py, po, (Ag, Zn, Pb)
Pyr001	South English Lake	7	py
Pyr002	Post Hill No. 2	7	py, po
U001	J & B Showing	6	(U), py, hem
U002	Long Point Showing	6	(U), hem, mag
U003	Witch Lake Showing	7	(U), hem, py, po, cp, bo
U004	Jacques Lake Showing	6	(U)
U005	Nash West Extension	6	ptbl, ur, hem
U006	Nash Lake Prospect (Main Zone)	2	ptbl, ur, hem
U007	Nash East Extension	6	ptbl, ur, hem
U008	Knife Lake Zone	6	(U), hem, mag
U009	Inda Lake Prospect	2	ptbl, ur, py, hem, cp, mo
U010	Gear Lake Prospect	5	ptbl, ur, cp, po, mag
U011	Flace Lake No. 1	7	(U)
U012	Flace Lake No. 2	7	(U)
U013	Flace Lake No. 3	7	(U)
U014	Punch Lake Showing	6	(U)
U015	Kiwi Showing	6	(U)
U016	Punch Lake South No. 1	6	ptbl
U017	Punch Lake South No. 2	6	(U), cp, (Ag)
13J/14/Fsp001	Cross Lake South	7	fl
Mo001	Monkey Hill Showings	6	mo, fl, cp
Mo002	North Falls Lake	7	mo
Pb001	Oxbow Lake	7	Pb
Pyr001	Present Lake South	7	py, po
U001	Kitts Prospect	2	ptbl
U002	Kitts 'C' Zone	5	ptbl
U003	Kitts South Showing	6	ptbl
U004	Present Lake Showing	6	ptbl, mo
U005	West Draper Lake	7	(U)
U006	Nyman's Showing (Freanstaak Lake)	6	(U)*
U007	Squirrel Lake	7	(U)
U008	Showing No. 1/No. 2 (Pitch Lake)	6	ptbl
U009	West Shoal Lake No. 1	7	(U)
U010	West Shoal Lake No. 2	7	(U)
U011	Showing No. 4 (Shoal Lake)	7	(U)
U012	Showing No. 19 (Falls Lake)	7	(U)
U013	Showing No. 13 (Shoal Lake)	7	(U)
U014	Showing No. 15 (Shoal Lake)	7	(U)
U015	Showing No. 24 (Falls Lake)	6	(U)
U016	Showing No. 16 (Falls Lake)	6	ptbl, fl, py, cp
U017	Showing No. 17 (Falls Lake)	6	ptbl
U018	Showing No. 18 (Falls Lake)	7	(U)
U019	Showing No. 14 (Falls Lake)	7	(U)
U020	Showing No. 3 (Marsha Lake)	7	(U)
U021	Showing No. 9 (Marsha Lake)	7	(U)
U022	Showing No. 7 (Winter Lake)	6	ptbl
U023	Showing No. 11 (Winter Lake)	7	ptbl, (Cu, Zn, Ag)
U024	Showing No. 6 (Winter Lake)	7	(U)
U025	Showings No. 12 & No. 21 (Winter Lake)	7	(U)
U026	Showing No. 5 (Bernard Lake)	6	ptbl
U027	Showing No. 22 (Bernard Lake)	7	(U)
U028	Showing No. 20 (Bernard Lake)	7	(U)
U029	Showing No. 10 (Marsha Lake)	7	(U)
U030	Bernard Lake New Showing No. 1	7	(U)
U031	South Bernard Lake	7	(U)
U032	West Winter Lake	7	(U)
U033	North Adlavik Brook No. 1	7	(U)
U034	North Adlavik Brook No. 2	7	(U)
13J/15/Cu001	Manak Bay	7	cp
Cu002	Stag Bay No. 1	7	cp, gn, fl, py
Fsp001	Big River No. 1	7	fl, gn
Gem001	Long Tickle, Adlavik Islands	7	amz
Mo001	Big River No. 2	7	mo
Pb001	Porcupine Point	6	gn, asp
Pyr001	Stag Bay No. 2	7	py
13J/07/Cu001	Jerry's Cove	7	cp
Cu002	Pomiadluk Point No. 1	7	cp
Cu003	Pomiadluk Point No. 2	7	cp
Cu004	Manak Bay No. 1	7	Cu
Fsp001	October Harbour No. 1	7	fl
Mo001	October Harbour No. 2	7	mo, gn, cp, py
Pb001	Big Bight Vein No. 1	6	gn, fl, cp
Pb002	Big Bight Vein No. 2	6	gn, fl, cp
Pb003	Big Bight Vein No. 3	6	gn, py, fl
Pb004	Big Bight Vein No. 4	6	gn, py, sp
Po001	Manak Island North	7	po
Pyr001	Strawberry Island No. 1	7	py, po
Pyr002	Manak Bay No. 2	7	py
U001	Strawberry Island No. 2	7	(U)
U002	Belle Island	7	(U)
U003	Kidlialuit Island No. 1	7	(U)
U004	Kidlialuit Island No. 2	7	(U)
130/03/Cu001	Douglas Showing (Kaipokok Bay)	6	cp, py, po
Cu002	Bent's Cove Showing	7	Cu
Cu003	Poodle Pond No. 1 Showing	6	py, cp, po, (Ni, Ag, Au)
Cu004	John Michelin No. 17 (Round Pond Grid)	7	py, cp
Cu005	BC-29 Showing (Round Pond Grid)	7	cp, mo, fl
Cu006	Vein No. 6 (Round Pond Grid)	6	cp, mo, py
Cu007	Round Pond Grid No. 2	7	cp
Fsp001	East Ford's Bight No. 3	7	fl
Fsp002	East Ford's Bight No. 6	7	fl
Fsp003	John Michelin No. 22 (Round Pond Grid)	7	fl, (mo, cp)
Fsp004	North Monkey Hill No. No. 6 Showing	7	fl
Mo001	Duck Island	6	mo, py
Mo002	Amax Showing	6	mo, fl, py
Mo003	Aillik Prospect	2	mo, (U), cp, fl
Mo004	Samuel's Point (Makkovik Bay)	7	mo, py, po, cp
Mo005	Retreat Lake No. 1 Showing	7	mo, fl, py
Mo006	Retreat Lake No. 4	7	mo, py
Mo007	Island Lake No. 1 Showing	6	mo, py
Mo008	West Ford's Bight No. 1	7	mo
Mo009	West Ford's Bight No. 2	7	mo
Mo010	West Ford's Bight No. 3	7	mo
Mo011	West Ford's Bight No. 4	7	mo
Mo012	West Ford's Bight No. 5	7	mo
Mo013	West Ford's Bight No. 6	7	mo
Mo014	West Ford's Bight No. 7	7	mo
Mo015	West Ford's Bight No. 8	7	mo
Mo016	West Ford's Bight No. 9	7	mo
Mo017	West Ford's Bight No. 10	7	mo
Mo018	West Ford's Bight No. 11	7	mo
Mo019	West Ford's Bight No. 12	7	mo
Mo020	Leslie Michelin No. 12 Showing	6	mo, py
Mo021	East Ford's Bight No. 4	7	mo, (gn, fl, sp)
Mo022	East Ford's Bight No. 2	7	mo, (gn, fl, sp)
Mo023	East Ford's Bight No. 5	7	mo, (gn, fl, sp)
Mo024	East Ford's Bight No. 1	7	mo, (gn, fl, sp)
Mo025	East Ford's Bight No. 7	7	mo, (gn, fl, sp)
Mo026	East Ford's Bight No. 8	7	mo, (gn, fl, sp)
Mo027	Leslie Michelin No. 13 Showing	6	mo
Mo028	East Ford's Bight No. 9	7	mo, (gn, fl, sp)
Mo029	Vein No. 4 (Round Pond Grid)	6	mo, cp, py
Mo030	Veins No. 5/No. 10 (Round Pond Grid)	6	mo, cp, py
Mo031	Veins No. 3 & No. 9 (Round Pond Grid)	6	mo, cp, py
Mo032	Vein No. 8 (Round Pond Grid)	6	mo, cp, py
Mo033	John Michelin No. 20 (Round Pond Grid)	7	mo, py
Mo034	Round Pond Grid No. 4	7	mo
Mo035	BC-30 Showing (Round Pond Grid)	7	mo
Mo036	Vein No. 1 (Round Pond Grid)	6	mo, cp, py
Mo037	John Michelin No. 8 (Round Pond Grid)	7	mo, cp
Mo038	John Michelin No. 19 (Round Pond Grid)	7	mo
Mo039	Vein No. 7 (Round Pond Grid)	6	mo, cp, py
Mo040	BC-27 Showing (Round Pond Grid)	7	mo, cp, py
Mo041	John Michelin No. 12 Occurrence	7	mo, py
Mo042	Vein No. 11	6	mo, cp
Mo043	Round Pond Grid No. 1	7	mo
Mo044	John Michelin No. 24 (Round Pond Grid)	7	mo
Mo045	John Michelin No. 13 (Round Pond Grid)	7	mo, py
Mo046	John Michelin No. 23 (Round Pond Grid)	7	mo, py
Mo047	Banana Lake No. 6	7	mo
Mo048	North Monkey Hill No. 1 Showing	7	mo
Mo049	North Monkey Hill No. 2 Showing	7	mo, cp, py
Mo050	North Monkey Hill No. 3 Showing	7	mo, cp, py
Mo051	North Monkey Hill No. 4 Showing	7	mo, cp, py
Mo052	North Monkey Hill No. 5 Showing	7	mo, cp, py
Mo053	Leslie Michelin No. 15 Showing	7	mo, py
Pb001	Mine Trap Brook	6	gn
Pb002	Poodle Pond No. 2 Showing	7	gn
Pyr001	Kitts Pond No. 1 Showing	7	py
Pyr002	Kitts Pond No. 2 Showing	7	py
Pyr003	Kitts Pond No. 3 Showing	7	py
Pyr004	Mark's Bight No. 2 Showing	7	py
Pyr005	Mark's Bight No. 1 Showing	7	py
Pyr006	Long Island No. 2 Showing	7	py
Pyr007	Mark's Bight No. 3 Showing	7	py
Pyr008	A-3 Showing	7	py, (U)
Pyr009	John Michelin No. 5 (Round Pond Grid)	7	py, mo, asp
Pyr010	John Michelin No. 25 (Round Pond Grid)	7	py, mo, cp
Pyr011	John Michelin No. 21 (Round Pond Grid)	7	py
Pyr012	Kennedys Cove	7	py, po
U001	Anderson Ridge Prospect	5	(U)
U002	Long Island No. 1 Showing	7	(U)
U003	Cape Makkovik Shore	6	ptbl, ur
U004	Bradley Showing	7	(U)
U005	Shoal Bay No. 2 Showing	6	ptbl, ur
U006	Shoal Bay No. 2 Showing	7	ptbl, ur
U007	Sunset Showing	6	ptbl, ur
U008	Shoal Bay No. 3 Showing	7	ptbl, ur
U009	Banana Lake No. 1 Showing	6	ptbl, ur, mo
U010	Morris No. 4 Showing	6	ptbl
U011	Banana Lake No. 2 Showing	7	ptbl
U012	Black Hat Showing	7	ptbl, ur
U013	Banana Lake No. 3 Showing	7	ptbl, ur
U014	Banana Lake No. 4 Showing	7	ptbl, ur
U015	Morris No. 1 Showing	6	ptbl, ur
U016	Banana Lake No. 5 Showing	7	ptbl, ur
U017	Morris No. 2 Showing	6	ptbl, ur
U018	Sunil Prospect	5	ptbl, ur, mo
U019	A-7 Showing	6	ptbl, ur
U020	Pedro's Hot Seat (Anomaly A-8)	7	(U)
U021	Makkovik Village	7	(U)
U022	Retreat Lake No. 2 Showing	7	(U)
U023	John Michelin Showing	5	ptbl, ur
U024	Retreat Lake No. 3	7	(U)
U025	Island Lake No. 4	7	(U)
U026	Island Lake No. 2 Showing	6	(U)
U027	Island Lake No. 3 Showing	6	(U)
U028	Round Pond Grid No. 3 Showing	6	(U)
U029	Kennedys Cove West	7	(U)

* parentheses indicate that the mineral/commodity is present in minor or trace amounts or indicated by an assay.

13J(220)

Mineral occurrence data revised and compiled by A. Kerr (1981, 1982) and A.G. Harris (1981). Published 1983.

Geology by D.G. Bailey (1977), D.G. Bailey, J.M. Flanagan and A. Lalonde (1978), R.A. Doherty (1979) and Ryan and Kay (1981). Compilation by D.G. Bailey and J.M. Flanagan (1980) with revisions by C.F. Gower and A. Kerr (1981).

This map may be subject to revisions and corrections.

Geological cartography by Drafting Section, Mineral Development Division, Department of Mines and Energy, Government of Newfoundland and Labrador.

Copies of this map may be obtained from the Publications and Information Section, Mineral Development Division, Department of Mines and Energy, P.O. Box 4750, St. John's, Newfoundland A1C 5T7.

MINERAL OCCURRENCE MAP

KAIPOKOK BAY - BIG RIVER AREA

SCALE 1:100,000

Miles 1 0 1 2 3 4 5 Miles

Kilometres 1 0 1 2 3 4 5 6 Kilometres

MAP 83-47

Base maps at scale 1:50,000 published by Surveys and Mapping Branch, Department of Energy, Mines and Resources, Ottawa.

Approximate magnetic declination, 1980, at centre of map, 34° 16' west, decreasing 4.1' annually.

Elevations in feet above mean sea level.

To accompany Mineral Occurrence Data System (M.O.D.S.) files for map sheets 13J/12, 13J/13, 13J/14, 13J/15, 130/2, 130/3 and 130/4, compiled and revised by A. Kerr (1981, 1982).

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