APPENDIX B

List of Abbreviations

Minerals

am	amethyst
ap	apatite
as	arsenopyrite
au	autunite
az	azurite
ba	barite
be	beryl
bo	bornite
ca	calcite
cc	chalcocite
cp	chlacopyrite
ch	chlorite
cd	cordierite
cy	chrysocola
fl	fluorite
gn	galena
gp	graphite
gr	garnet
he	hematite
ka	kaolinite
ks	cassiterite
ma	malachite
mn	manganese minerals
mo	molybdenite
mr	marcasite
mu	muscovite
pi	pitchblende
po	pyrrhotite
py	pyrite
qz	quartz
se	sericite
sh	scheelite
sn	stannite
sp	sphalerite
st	stibnite
to	torbernite
tp	topaz
tr	tourmaline
wo	wolframite

Alteration

Alb	albitization
Bio	biotization
Car	carbonatization
Chl	chloritization
Gre	greisenization
Haa	high-alumina alteration (e.g. andalusite, sillimanite)
Hem	hematization
Kao	kaolinization
Lim	limonitization
Pot	potassic (e.g. K-feldspathization)
Sau	sausuritization
Ser	sericitization
Sil	silicification

Host Rock Types / Formation Names

APLI	Aplite
BGD	Biotite granodiorite
BMG	Biotite monzogranite
CGLMG	Coarse-grained leucomonzogranite
COG	Goldenville Formation
COH	Halifax Formation
DT	Torbrook Formation
FGLMG	Fine-grained leucomonzogranite
MBMG	Muscovite-biotite monzogranite
MLG	Muscovite leucogranite
MP	Mafic porphyry
OSW	White Rock Formation
PEGM	Pegmatite
SK	Kentville Formation
SYEN	Syenogranite
TNM	North Mountain Formation

Name, Map Sheet and Number	Northing	Easting	Type	Ore Minerals (elements in brackets)	Gangue	Alteration	Host Rock	Qz Veins	Fract/ Shear	Comments
Sandwich Point 11D/12	4937500	456260	Greisen	as, py, cp	qz	mu-Gre	CGLMG	185/66 W 175/70 W		Vein widths, 5-50cm. Sheeted qtz griesen system exposed for 500m along the coast. Maximum assays - 7.6% As, 550 ppb Au.
Third Pond 11D/12	4927760	451830	Greisen	wo	qz	Gre	MBMG	128/78 N		Vein widths, .5-1.5cm. Minor greisenization along the 137/86 W joint.
Head of Shad Bay 11D/12	4931380	436580	Pegm	wo, cp, ma, bo,	qz, fl, tr	se-Gre	FGLMG (PEGM)			Mineralization occurs in pegmatite pods. Muscovite greisens attain maximum width of 15cm along dominant joint set (140/90). Close to contact with DCmgHf.
Governor Lake 11D/12	4944070	443070	Breccia	py, mr	am, qz	Sil, Hem, Chl	CGLMG		124/85	Quartz breccia along Herring Cove fault. Maximum assays in grab sample: 811 ppb Au, 340 ppm Zn.
Head of Prospect Bay 11D/12	4930870	439180	Greisen	cp, bo, wo, mo	qz, tr	Gre	MBMG	148/85 W		Vein widths, < 1cm. Close to contact with DClmT
Upper Tantallon 11/D12	4948780	431370	Vein	gn, py, cp, fl	qz	mu-Gre, Hem	FGLMG			Close to contact with DClmHX.
Tantallon 11D/12	4950060	430160	Greisen	py, wo	qz	Gre, Hem	CGLMG	137/90		Vein widths, < 1-3cm; spaced aproximately 1m apart
Sandy Lake 11D/12	4952280	427000	Vein??	as	qz	mu-Gre	BMG	147/86 NW		
West of Island Lake 11D/12	4952400	424000	Greisen	as, py, sh	qz	mu-Gre	FGLMG	149/90 NW		Vein widths, < 1-2cm; parrallel to one another. Some veins approach 80-90% As and minor Py.
Near Ingram River 11D/12 1) 2)	4948760 4948300	424320 422980	Greisen Greisen	py, cp, bo, ks, ma	qz	Hem, Gre	BMG	150/80 W 145/76 E		Vein widths, < 18cm.
East of Powers Lake 11D/12	4928510	429640	Pegm	be	qz, tr, cd	mu-Gre	BMG			No beryl noted during mapping

Name, Map Sheet and Number	Northing	Easting	Type	Ore Minerals (elements in brackets)	Gangue	Alteration	Host Rock	Qz Veins	Fract/ Shear	Comments
Christie Lake Showings 11D/13 1) 2) 3)	4963800 4963830 4963740	425520 426450 426580	Vein Vein Vein	wo, sh, cp, mo	qz	Gre	CGLMG	338/72 NS		1 and 2 are the smaller deposits. Vein widths, <2-10cm; with Wo crystals < 7cm. Assays: 3% WO3 and trace Cu, Mo, Au (525 ppb).
M.E.X U-Cu Showing 11D/13	4964140	425760	Vein	to, au, cp, py		Hem, Kao, Haa	CGLMG		NE Trending	Andalusite, sillimanite, hercynitic spinel, cordierite, garnet, Muscovite, biotite and tourmaline are the result of intense high alumina hydrothermal alteration. Assays: 25% andalusite, with crystal lengths < 1-2.5cm.
Bates Lake Showing 11D/13	4955440	422640	Greisen	cp, as, py	qz	mu-Gre, Hem, Sau	FGLMG			Porphry deposit.
Little Tobeatic Lake 21A/3	4892300	314000	Breccia	gn, sp, ba, cp, as, py (Au)	qz	Sil	COG			This occurrance extends for -2km. Assays up to 4.9% Pb-Zn and 2% Ba
Pug Lake 21A/3	4897600	308200	Vein	py, as	qz, tr?		FGLMG			In sharp contact with DClmDL
East Kentville Tin Deposit 21A/4	4886800	285430	Greisen	ks, cp, sp, py, po, st, wo, mo, gn		mu-Gre	MLG / COG			Initial reserves, 56m tons; grading .165% Sn.
Duck Pond Deposit 21A/4	4886770	283080	Vein	ks, py, cp, po, as, sp	qz, ch	Sil, Ser, Chl, Hem, Alkalic, Argillic	COG			Close to contact with DClgEK Probable and inferred reserves total 5.1m tons of .129% Sn
Ikes Ridge 21A/4	4883760	282740	Vein	py, cp, po, sp, mo, bo, wo (Bi)	qz, tp, fl	Alb	CGLMG			Shearing and brecciation occur in zones of 50cm to 2m wide.
Gardeners Meadow Brook 21A/4 4) 4a)	4881790 4882960	277820 279100	??? ???	py, po, as, cp		Chl	COG			
Fanning Lake Prospect 21A/4	4878240	266040	Vein	py, as, cp, gn, sp (Te, Minor Bi-Te)	qz	Sil, Ser, Car, Hem	COG			

Name, Map Sheet and Number	Northing	Easting	Type	Ore Minerals (elements in brackets)	Gangue	Alteration	Host Rock	Qz Veins	Fract/ Shear	Comments
Kempt Snare Lake 21A/4	4875960	271600	Greisen	gn, sp, as, sh, cp, gp, py	qz, ca, fl	Hem, Gre	COG		SW trending	
Wentworth Lake 21A/4	4895940	265040	Vein	py, cp, po	qz, ca		COG			
Pearl Lake 21A/4	4879060	274390	Vein	py, cp, as, ks, sp, Native Bi		Sil, Chl	COG			
Brazil Lake 21A/4	4876100	259260	Pegm	sp, be, tr, ap, ks (Ta, Cs)	qz, mu, feldspar, biotite		OSW			Only spodumene bearing pegmatite in N.S.
Oakland Lake 21A/4	4900060	290750	Vein	ks, py, sp	qz, fl		CGLMG			
Tusket 21A/4	4877500	274060	???	py, cp, bo, as, ma			COG			
Kemptville 21A/4	4881550	272100	Vein	(Au) py, as, po	qz		COG		Y	
Carleton District 21A/4	4876420	264500	Vein	(Au) as, py, gn, sp, cp	qz		COG			Vein widths, <10-20cm and ranging up to < 96.9m in length.
Shortliff Lake 21A/5	4928700	279920	Breccia	py, ch, cp, bo, he (U, Co)	qz	Sil, Car, Hem	SK			Uranium levels (< 7ppm) encountered during soil survey.
Sissiboo River 21A/5	4916200	272680	Vein	py, po	qz		OSW			Vein not located during the present survey.
Whiteburn (Au) 21A/6 & 7	4908280	334540	Vein	(Au)	qz		COG			
West Caledonia 21A/6 & 7	4913600	327280	Vein	(Au)	qz		COG			

Name, Map Sheet and Number	Northing	Easting	Type	Ore Minerals (elements in brackets)	Gangue	Alteration	Host Rock	Qz Veins	Fract/ Shear	Comments
Westfield Area 21A/6 & 7 A)	4919380	341180	Greisen	py, as, cp, gn	qz	Gre, Alb				
B)	4920740	341495	Vein	mo	qz	Alb				
C)	4918840	341880	Greisen	ca, sh		Gre				
D)	4919420	340240	Vein	py, as, sh	qz					Vein width 1-2m.
E)	4918390	341510	BoulderVein	(Sn, W)	qz					
F)	4918730	341420		(As, Au, Sn, Pb)	qz					Vein width 8-22m.
Kedge Lodge New Grafton 21A/6 & 7	4918355	322130		po, pt, cp						
Harmony Mills 21A/6 & 7	4917580	334700	Vein	sh	qz					Vein width 4-6 inches. Uable to locate during expedition.
Caledonia Area 21A/6 & 7 3a)	4913500	337850		sh, cp, sp, ks, py	ca, qz					Three distinct sives were recognized.
3b)	4913000	338500	Vein							
3c)	4912500	338960	Breccia							
Moosehide Lake 21A/6 & 7 7a)	4909560	301880	Breccia	to, au, pi		Sil, Hem				
7b)	4907680	304980	Breccia							
Tupper Lake 21A/6 & 7 8a)	4926220	340360	Vein	wo						Vein width 2mm.
8b)	4923870	340550	Vein				APLI			
Keddy Prospect 21A/9	4952240	381400								Refer to (Oreilly et al '82)
Leville 21A/9	4955880	388440	Pegm	cp, wo	qz		MLG			
Queensland 21A/9	4943780	419320	Vein	as, ks, py	qz	Hem	FGLMG			Vein width <1cm
Fox Point 21A/9	4939100	416200	Greisen	cp, sp, as	qz	mu-Gre	MLG			Occurrence is 1.5cm wide, greisen bordred, sheeted qtz veins.

Name, Map Sheet and Number	Northing	Easting	Type	Ore Minerals (elements in brackets)	Gangue	Alteration	Host Rock	Qz Veins	Fract/ Shear	Comments
Bezanson Lake 21A/9 1) 2) 3) 4) 5)	4943790 4945130 4942900 4939600 4937810	399560 398780 396440 399620 402720	Greisen & Veins	(Cu, Zn, As, Sn, W)	qz, fl	Hem, Ser, Alb, Pot, Sil	COH FGLMG MBMG CGLMG FGLMG			A large high ratio eU/eTH anomaly is coincident with this area.
Long Lake 21A/9	4939440	391430	Pegm & Greisen	(Mo, Cu, Zn, W, Be, Sn)	qz	mu-Gre, Alb, Pot	FGLMG			
Timber Lake 21A/9	4947645	405930	Greisen	py	qz, fl	mu-Gre	FGLMG			
Morleys Pegmatite Prospect 21A/9	4954920	385700	Pegm							Refer to O'Reilly et al. (1982)
Alton 21A/10	4953120	357580	Greisen	cp, ch, ma, ks?	qz, fl		FGLMG			Vein width < 20cm. Close to contact with BGP.
Stanburn 21A/10	4942100	361550	Vein	(Au) sh	qz		COG/ BMG			At contact with the BMG.
New Germany 21A/10	4933740	354700					COG			Not well documented. On the COG / COH contact.
Reeves Tin Mine 21A/10	4953800	379920	Pegm	(Sn, W, Li, Ta, U, Be, Ag)	fl		MLG			Close to contact with the DClmPL.
Lake Ramay 21A/10	4955650	380850		(Sn, W, Cu, Au)	fl		FGLMG			Close to the contact with BMG
East Dalhousie (U) 21A/10	4950930	357100		au, to		Hem, Kao	FGLMG		Ne trending, closely spaced,Frac and shear Zone.	
Nevertel Lake 21A/10	4943000	380690	Pegm	(Sn, W)			CGLMG			Area not verified by this study.

Name, Map Sheet and Number	Northing	Easting	Type	Ore Minerals (elements in brackets)	Gangue	Alteration	Host Rock	Qz Veins	Fract/ Shear	Comments
Black Duck Lake 21A/10	4953020	363190	Vein	ma (U)	qz		FGLMG			Vein width 32 cm - close to the contact with the COG.
Caribou Lake 21A/10 9) 10)	4932140 4932390	376180 376880	Greisen	cp, mo (Bi)			SYEN			
Hemford 21A/10	4930400	358990	Vein	(Au)	qz		COH			
Lake Torment 21A/10	4951850 4952360	361380 363040		as, cp, ch, az	qz		COG			On contact of COG / FGLMG.
Upper New Cornwall 21A/10 13) 14)	4931840 4932670	374540 374420	Greisen	py, as, sp, cp (Au, W, Bi)			MBMG	NW trending		Close to the contact with COG
East Dalhousie (Sn) 21A/10 16) 17)	4952600 4951860	395060 360600	Greisen	(Sn)	qz		FGLMG	NW trending		Close to contact with the COG.
Indian Brook 21A/10	4937330	365620					COH			Not well documented.
Upper New Cornwall (Au) 21A/10	4928700	376180		(Au)			COG			Not well documented.
Whale Lake 21A/10	4933790	380790	Greisen	cp, bo, wo, as, py	qz		MBMG	NW trending		Vein width < 2 - 4cm. Close to contact with DClmNR.
Saturday Lake 21A/10	4948720	348180	Vein	mo	qz		MP			Close to contact with COG.
Faulkland Ridge 21A/10	4945290	353700	Greisen	py, cp, mo	fl		BMG			Vein width < 20cm. Close to contact with the COG.
Tommy Lake 21A/10	4938920	342980	Greisen	mo, as, cp, py			FGLMG CGLMG			
Lambs Lake 21A/11	4950200	303860	Vein	(U, Cu, Zn, Ag)	qz	Hem, Car	DT		????	

Name, Map Sheet and Number	Northing	Easting	Type	Ore Minerals (elements in brackets)	Gangue	Alteration	Host Rock	Qz Veins	Fract/ Shear	Comments
Hannam Lake 21A/11	4951940	327230	Vein	py, cp	qz		MBMG			10 x 25m zone of quartz stockwork.
Handsaw Lake 21A/11	4940320	322100	Till	sh	qz		BMG			
Lansdowne showing 21A/12	4939040	283200	Vein	as, py, po, st	qz	Car	COH			
Digby Neck Showing 21A/12	4952320	279060	??	Native Cu, ch, ma			TNM			Found within amygdaloidals of the volcanic and sed rocks to the east.
Joggins Bridge Showing 21A/12	4941520	281800	Vein	(Au) py, as, ch	qz		COH			Gold grades up to 4.5 oz./ton.
North of Batholith 7 Fe Deposits 8 21A/12 9 (Milbury) 10 (Milner) 10 (Potter) 10	4948320 4939810 4935180 4942590 4943420 4944340	280450 273910 274800 293600 295110 296440		he, limonite Fe Fe Fe Fe	qz, Feld		TNM OSW COG OSW / SK DT DT			
Victoria Beach 21A/12	4950340	281800		(V)			TNM			
Barteaux Brook 21A/14	4967320	330500	Greisen	py, cp, bo		Gre, Hem	OSW			Both boulders found had abundant miarolitic cavities. An unidentified silver mineral was found.
Whitman Brook 21A/14	4968700	331400	Greisen	mo, as, wo, sh	qz	Hem, Gre	FGLMG			Close to contact with COH.
Nictaux Quarry 21A/14	4973920	334960	Vein	mo, ap	qz		GD	112/80 N	Vein width < 2cm.	
Inglisville 21A/14	4969410	337250		(Fe)			DT			Mineralized bed traced for over 3,500ft.

Name, Map Sheet and Number	Northing	Easting	Type	Ore Minerals (elements in brackets)	Gangue	Alteration	Host Rock	Qz Veins	Fract/ Shear	Comments
Nictaux River 21A/14	4974870	339900		(U) py, po, cp			OSW		Y	
Nictaux Torbrook Area 21A/14	4972790 4972670 4972640 4972490 4971900	338780 338810 339300 338360 337800		he, mt			DT			Numerous hematite and magnetite occurrences.
Inglisville Church 21A/14	4969040	333140	Vein	pi, he		Hem	FGLMG			Mineralization occurs within granite/metasediment contact.
Quartzite Showing 21A/14	4968520	333150		au, pi, he		Hem, Ser	OSW		Y	Fracture width, 2cm and 10m long.
Delancy's Brook 5) 21A/14 6)	4973520 4973360	337320 337310	Vein	py, po, cp, mo			COH			
Nictaux Dam 21A/14	4968330	339660	Vein	py, pi, as (Co, Au)			White rock			
Scrag Lake Occurrences 4a) 21A/15 4b) 4c) 4d) 4e)	4957400 4960410 4961800 4961840 4959570	344690 342020 342900 343620 349570	Greisen Greisen Greisen Greisen Greisen	as, py, cp as, cp, bo, py py, as? py, as, cp, bo as, py	qz, tr qz qz, tr qz, tr qz	mu-Gre mu-Gre, Hem mu-Gre mu-Gre mu-Gre	BMG MBMG FGMG BMG BMG	168/85 E 162/90 164/69 W 165/45 E		Vein width 1-2cm. Vein width < .5cm. Vein width < 1cm. Close to DCmgSG Vein width < 1-2cm.
Cloud Lake 21A/15	4968640	351250	Breccia	pi, au	qz, fl		BMG			No outcrop, brecciated boulders.
Randall Lake 10) 21A/15 11)	4974400 4972320	358100 357730		pi, au	qz	Hem	COH BMG			Meta-greywacke boulders 5%U3O8.
Dalhousie road a) 21A/15 b)	4960450 4958280	366060 366600		au		Hem, Lim	FGLMG		031/84 W	Uranium minerals occucr at the contact with the DClmED.
Nichim Page Lake 21A/15	4962300	366320		au, to		Hem, Bio	BGD		050/87 S 172/78 W	Mineralization occurs between the intersecting shear zones.

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South of Kidney Lake 21A/15	4961200	369840			qz	Hem	FGLMG	201/82 W		
Kerr Lake Occurrence 21A/15	4968970	370100	Greisen	au, py, cp, co	qz	mu-Gre	BMG	160/80 W		Vein Widths, 1-2cm; spaced at 20cm.
Gaspereau Lake 21A/15	4975800	376420		au, to, he, Limonite	qz, fl	mu-Gre	MLG			
Aylesford Lake Occurrence 21A/15	4977410	370800	Greisen	au, ap, py	qz, fl	Hem, Lim, Gre, Alb	MLG		055	
Nictaux-Torbrook Area 21A/15	4974600 4977100 4977620	344780 347000 345460		he			DT			Minerals Occur in narrow beds inter-layered with slates.
Morristown 21A/15	4981150	360830	Vein	manganese minerals			COH			
Torbrook 21A/15	4973670	350220		au, to			FGLMG			Deposit occurs along fractures of DClmG.
Nicholsville 21A/15	4981600	355120		pyrolusite			OSW			
Powerline Showing 21A/16	4960960 4960680 4960300	417610 417800 418560	Vein	wo	qz		CGLMG			Vein widths , 3-9cm; occur over a width of 9m.
Black Brook Deadwaters 21A/16	4960390	418960	Vein	wo, sh	qz		CGLMG			Vein widths, 5mm. Close to contact with the DCmgSl.
West of Little Pine Lake 21A/16	4964100	417120	Pegm	wo			BGD			
North of Little Pine Lake 21A/16	4965800	418700		py, cp	tr, qz	mu-Gre Gre	BGD			
Western Shore of Panuke Lake 21A/16	4964380	412780		mo	qz, K-Spar		BGD			

Name, Map Sheet and Number	Northing	Easting	Type	Ore Minerals (elements in brackets)	Gangue	Alteration	Host Rock	Qz Veins	Fract/ Shear	Comments
North of Vaughan 21A/16	4967890	403830		(U, Cu) au, to		Hem	FGLMG			Close to contact with the GN and DCdg
Western side of Panuke Lake 21A/16	4961280	411640		(U, Cu)			BGD			Close to contact with the DclmNR.
Ellershouse 21A/16	4973880	416400		manganese minerals (Au, Zn)			COH			Close to contact with DCdg.