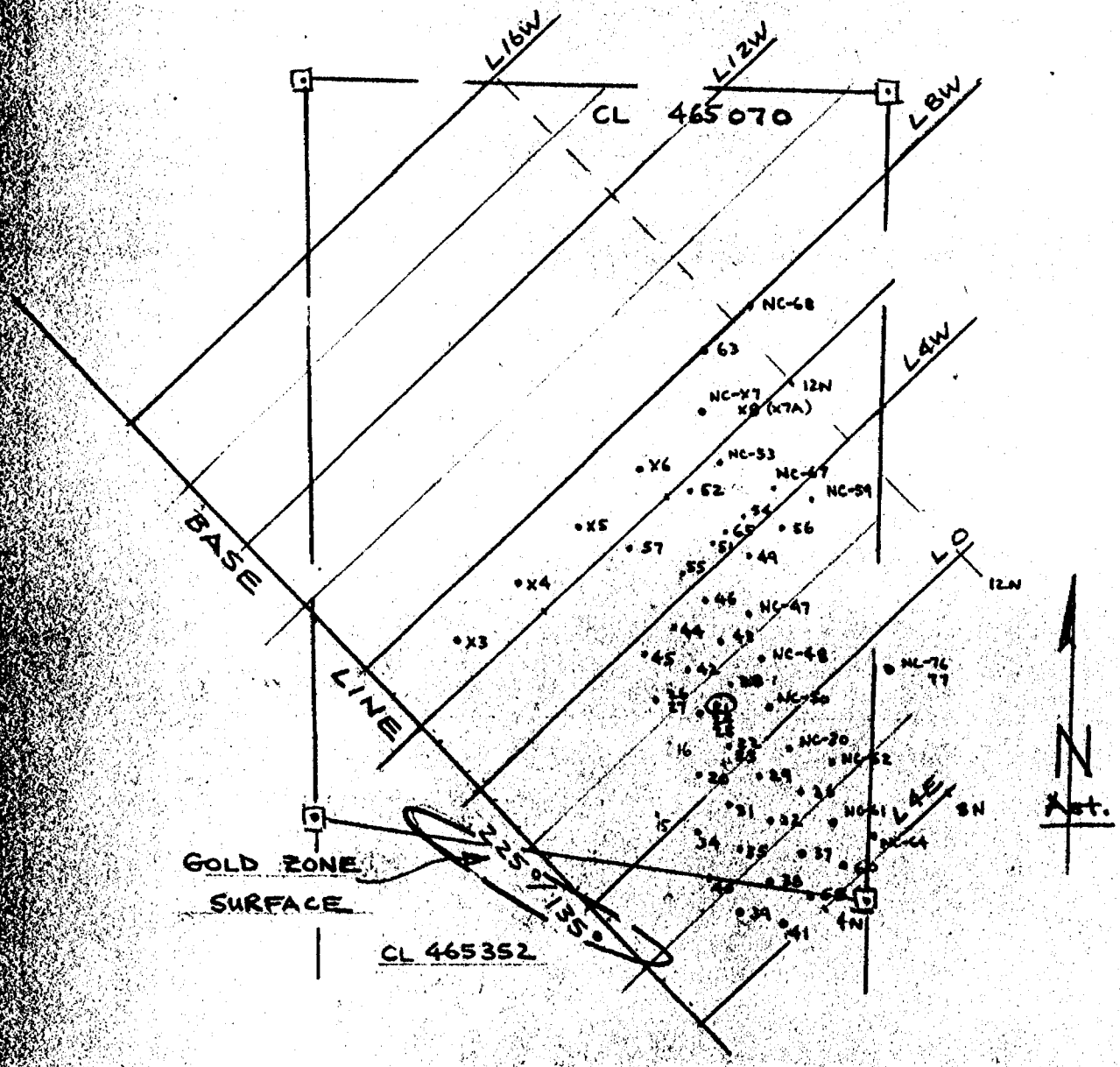
Diamond Drilling

Area Rowan Lake Report Nº 28

Work performed by: Nuinsco Resources Ltd.

Claim Nº	Hole Nº	Footage	Date	Note
K 465070	NC-21	767	Mar/83	(1)
	NC-22	777	Mar/83	(1)
	NC-23	907	Apr/83	(1)
	NC-24	867	Apr/83	(1)
	NC-25	807	Apr/83	(1)
K 519952	NCX-1	607	June/83	(1)
K 465069	NCX-2	447	June/83	(1)
K 465353	NCX-9	487	Sept/83	(1)
K 519953	NCX-10	527	Oct/83	(1)
	9	6193		

Notes: (1) #160-83



NUINSCO RESOURCES LIMITED
TORONTO ONTARIO
PROPERTY NAME:

CAMERON LAKE

LOCATION SKETCH
CLAIM NO. 465070

D.D.H. NO. NC-21

SCALE: 1"=400'

DATE: Dec. 7/83

DRAWN BY: A.D.HUNTER, GEOLOGIST

SIGNED: Doug Hunter

DRILL LOG

NUINSCO/LOCKWOOD

CAMERON LAKE

Property: Cameron Lake

DDH: NC-21

Co Ordinates: Lat. 5+00 N Dep. 1+50 W

Claim: 46 5970

Date Hole Commenced: March 24, 1983

Declination : 5° E

Azimuth: 225°

Core Size: BQ

Total Depth: 767'

Date Completed: March 27, 1983

Logged By: A.D. Hunter

ACID TEST

Depth	Inclination	Depth	Inclination
130'	50°		
327'	46°		
527'	42°		
727'	41°		

TROPARI TEST

Depth	Inclination	Azimuth	Depth	Inclination	Azimuth

Drill Log Summary	Assay	Comments
Mineralization:		

ABBREVIATIONS USED IN LOGGING:

Rock Type: MV metavolcanic; Tu tuff; QFP quartz feldspar porphyry.
A altered zone; Aw weak; Am moderate; As strong.
CSZ chloritic shear zone.

Texture: ms massive; gb gabbroid; vs vesicular; sp spotted;
am amygdaloidal; Rc rhomb-carbonated.

Structure: Fol foliated; Sh shear; My mylonite.

Grain Size: fgr fine < 1 mm; mgr medium 1-2 mm; cgr coarse > 2mm.

Veining: QCV quartz-carbonate vein; CV/QV carbonate vein/quartz vein;
%/5'=Estimate over 5' interval; estimate attitude; indicate color.

Alteration: Carb carbonatization; Sil silicification; Ser sericitization;
Chl chlorite; Hem hematite; F fuchsite; T tourmaline.
Modifier: Pvs pervasive; Df diffuse; Aw, Am, As,
Rc rhomb-carbonated; Qf quartz flooding (grey).

Mineralization: Py pyrite; Cpy chalcopyrite; Au gold; Ag silver.
Modifier: Dis disseminated; Pp pyrite porphyroblasts;
Ps pressure shadows; cl clusters; sv selvage; V veins.

Interval Length

ANALYSE des CAROTTES de FORAGE

No. Echant.	de	a	Longueur pi.	Longueur m.	Cu	Zn	Ag On/T	Au On/T	Fe %	Mg %	CaO %	Na2O %	K2O %	SiO2 %	TiO2 %
NC-21															
64072	115.5	122	6.	5				.004							
73	124.0	127.0	3.	0				.002							
74	222.0	222.8	0.	8				.006							
75	267.7	268.7	1.	0				.008							
76	282.2	284.2	2.	0				.148							
77	349.5	354.5	5.	0				.002							
78	364.4	365.5	1.	1				.024							
79	412.5	417.0	4.	5				.004							
80	417.0	422.0	5.	0				.002							
81	422.0	427.0	5.	0				Tr.							
82	427.0	432.0	5.	0				.014							
83	432.0	437.0	5	0				.008							
84	437.0	442.0	5	0				.006							
85	442.0	447.0	5.	0				.012							
86	447.0	452.0	5.	0				.188							
87	452.0	457.0	5.	0				.008							
88	457.0	462.0	5.	0				.006							
89	462.0	465.0	3	0				.002							
90	465.0	472.0	7.	0				.004							

NC-21

ANALYSE des CAROTTES de FORAGE

. Interval in Feet

Sample # No. Echant.	From de	to a	Longueur pi.	Longueur m.	Cu	Zn	Ag On/T	Au On/T	Fe %	Mg %	CaO %	Na2O %	K2O %	SiO2 %	TiO2 %
64091	472.0	477.0	5.0					.046							
64092	477.0	482.0	5.0					.002							
93	482.0	487.0	5.0					.004							
94	487.0	492.0	5.0					.042							
95	492.0	497.0	5.0					.064							
96	497.0	502.0	5.0					.010							
97	502.0	507.0	5.0					.026							
98	507.0	512.0	5.0					.072							
99	512.0	517.0	5.0					.046							
64100	517.0	522.0	5.0					.012							
101	522.0	527.0	5.0					.018							
102	527.0	532.0	5.0					.056							
103	532.0	537.0	5.0					.016							
104	537.0	542.0	5.0					.026							
105	542.0	547.0	5.0					.024							
106	547.0	552.0	5.0					.032							
107	552.0	557.0	5.0					.068							
108	557.0	562.0	5.0					.062							
109	562.0	567.0	5.0					.054							
110	567.0	572.0	5.0					.032							

Forage No NC 21

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Interval
Feet

ANALYSE des CAROTTES de FORAGE

No. Echant.	de	a	Longueur pi.	Longueur m.	Cu	Zn	Ag On/T	Au On/T	Fe %	Mg %	CaO %	Na2O %	K2O %	SiO2 %	TiO2 %
64131	684	685.8	1.	8				.144							
132	696	697.2	1.	2				.002							
133	697.2	699.2	2.	0				Tr							
134	699.2	703.6	4.	4				.062							
135	703.6	707.0	3.	4				.006							
136	707.0	714.0	7.	0				.092							
137	714.0	717.0	3.	0				.004							
138	717.0	719.6	2.	6				.022							
139	737.0	739.5	2.	5				.024							
140	752.7	754.0	1.	3				.002							
141	754.0	755.8	1.	8				.002							
142	755.8	757	1.	2				.184							
split	757-767'														

Forage No 66-21

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NUINSCO RESOURCES LIMITED

DRILL LOG

Depth	Rock type	Grain size Colour	Secondary Structure	Texture and Structure	Alteration	Mineralization	Comments
0 - 120'	Casing in bedrock after 60'						Muddy, oxidized ground conditions. Chloritic, sheared, muddy zone from before 67' to 77' (7' recovered).
77' - 115.5'	Iron Formation	Rusty, red and ochre gossan.	Highly weathered, oxidized.	Banded-hematite-magnetite, laminal. Chert and carbonate rich beds.			Hematite-limonite gossan with magnetite bands from 77' to 115.5' (only 8' recovered).
115.5' 138' gradational contact, 138' to 162'	Basalt	Pale-yellow to light yellow-grn.	Foln in c.a.55° to 60°. QCS at variable angles to C.A. mostly 1cm across without associated selvedge altern.	Amygdaloidal - 5-30%, qtz-carb. filled. Up to 2 cm, average 2 to 3 mm in cross-section.	Bleached, carb. and ser., perv. to about 126'. Fracture controlled to 138'.	Tr.-1% Py in amygdules and groundmass	
	Basalt	Light grn.		Amygdaloidal - size and abundance decreasing down hole. Pillow selvedges and conspicuous.	Very weak as above, although from 10-20% v.f. gr. carb.rhombs dissem. throughout.		
162' - 179'	Basalt	Pale yellow green	Local breccia zones up to - to about 1.5cm chloritic with QCS and Py seams and dissem. Local qtz veins with sulphide and black tourmaline threads, esp. 364.5'-365.5'.		Fracture controlled bleaching evident.	Tr. Py overall	
179' - 275'	Basalt	Light to med.green					
275' - 295'	Basalt	Pale yellow green yell.		As from 162' - 179'		Tr.-0.5% Py	

NUINSCO RESOURCES LIMITED

DRILL LOG

Depth	Rock type	Grain size Colour	Secondary Structure	Texture and Structure	Alteration	Mineralization	Comments
295' - 402' Gradational	Basalt	Light to med.green	Foln. C.A. 70°	Pillowed amygdaloidal rock, local massive sections	Local bleaching - fracture controlled. Variable amounts of v.f.gr. dissem.carb.	Tr. - Py.	
402' - 418' Gradational	Basalt	Light green yellow green	Well developed foln. C.A. 70°				
418' - 602.5'	Altered Zone	Yellow, light yellow, grey	Well developed foln. C.A. 70° QV and QV network Silicification prominent from 487'		Ser.-carb. Q	Tr. - 3% v.f.gr. Py as dissem. and in foln. planes.	Conspicuous tourmaline throughout as black threads usually parallel to foln. Also in QCS and QCV. Very hard siliceous zone - slow drilling after about 487'. Green ser.-rich zone from 596'-602', may correspond to zone in NC-20 from to .
602.5' - 662'	Altered Basalt	Grey, mauve grey, and light yellow green	Not as well foltd. and micaceous as main altered zone above. QCS cut core at a variety of angles, not // to foliations except in more intensely deformed zones, C.A. 65°.	Locally amygdaloidal.	silicified, bleached ser.-carb.rich zones alternate with less altered zones, displaying stringer-fracture controlled altern.	0.5-3% f.gr. euhedral Py cubes. Dissem. sub-mm carb. rhombs, conspicuous in less altered rock	Tm present as threads // to foln. in more altered-sheared sections. Also Tm in QV. Pale flesh coloured Q porphyry, dikes at: 619.0' - 619.8' 636.5' - 636.9' 654.5' - 656.0'
Gradation into 662' - 696'	Basalt	Med. to dk. green	Massive, foln. locally developed. 5-10% deformed and broken QCS.		Very local bleaching	0.5%-2% Py	

Depth	Rock type	Grain size Colour	Secondary Structure	Texture and Structure	Alteration	Mineralization	Comments
696' - 719.6'	Altered Basalt	As from 602.5'-662'	Very well foliated to schistose. C.A. 75°. Intensity of deformation increases downhole.		Red hematitic zones developed locally.	0.5%-3% Py	Tm present as noted for 602.5'-662'.
719.6' - 753'	QCS Shear-zone	Med.green	Highly deformed schistose zone.		Chloritic,	Tr. Py.	This shear zone appears to be - the most continuous geologic feature logged to date.
Gradation 753' - 760'	Basalt	Light yellow green	Transition zone into massive, relatively undeformed rock.		Local well developed ser., with Py such as from 755.5'-757'	Local dissem. octahedral magnetite, 0.5-3% Py.	
760' - 767'	Basalt	Med.green	10% QCS	Massive	Dissem.carb.rhombs essentially unaltered		
END OF HOLE							

Notes only NC-21

Profondeur	Roche	Granulométrie et Couleur	Structure Secondaire	Texture et Structure	Altération	Minéralisation	Remarque
417-	Alteration		Fol' 80° to CA.	417-453 Assay 0.138 / 5' has a 10" q vein c̄ scattered py — gy-white color (CL110) (CL111) (CL112)	Q flooded yellow/sericitic, waxy sheen on fracture planes.	Py low except locally - but in 417-455 is ~2%.	Looks similar to NC 22 - why is not mineralized,
123 - 140	Amygdaloidal mv	Fol, ~55°	Flattened Vesicles defining weak fol'n	chalcedony filling — with some alt'n (CL113)	Rcarbonate in some Diffuse in other	No py except some	} why the difference?
417-		Bleached		Main alteration — bleached, foliated, ~5% white q v., some intervals of recognizable volcanics eg 469 (CL115)	579 - Q-tourmaline (?) vein 596 — 602 fuchsite zone? (CL116)		
597							
597-672		Mgn dkgn		Altered mv			

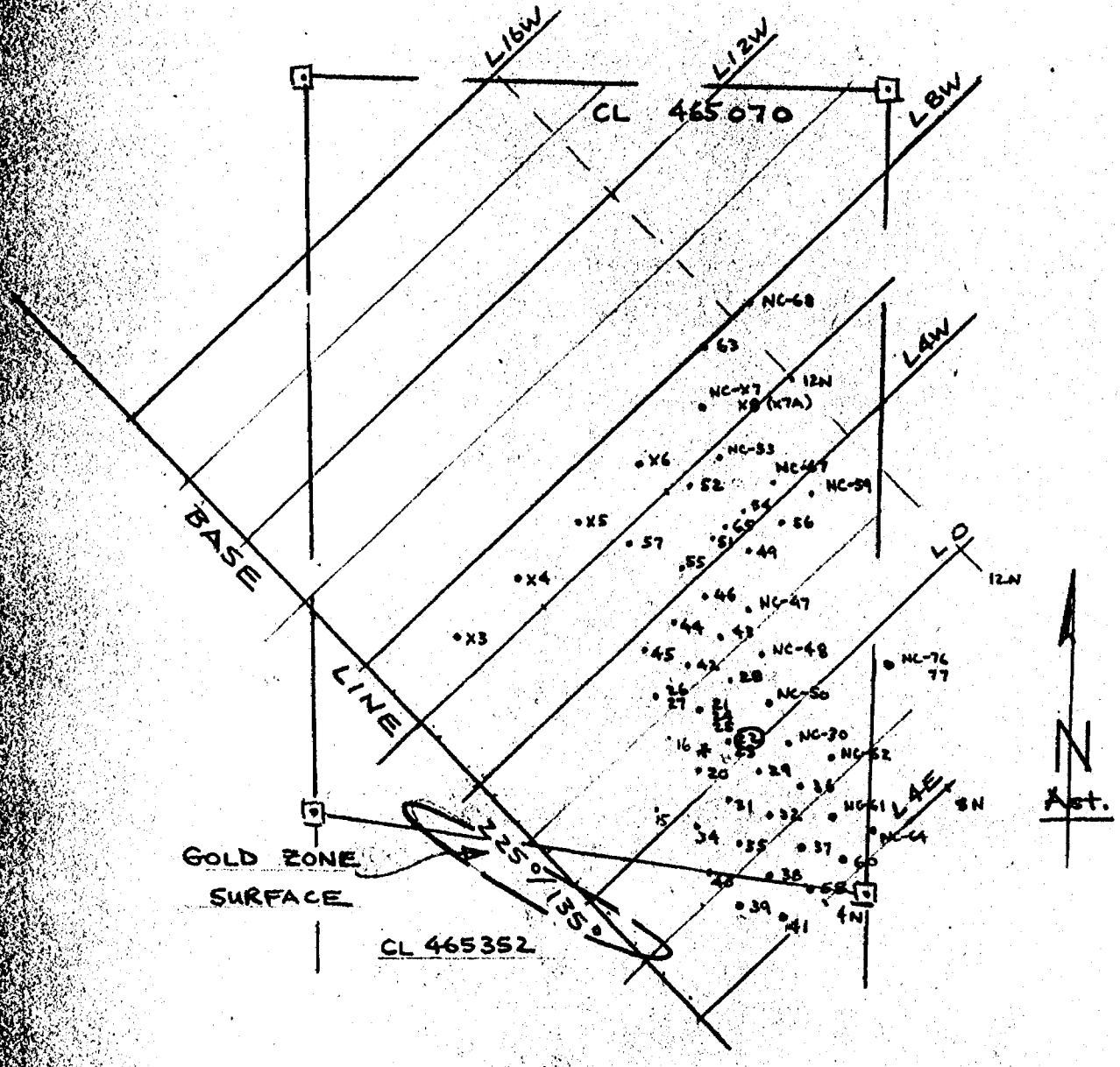
Forage: .... Page: ....

ANALYSE des CAROTTES de FORAGE

No. Echant.	de	a	Longueur pi.	Longueur m.	Cu	Zn	Ag On/T	Au On/T	Fe %	Mg %	CaO %	Na2O %	K2O %	SiO2 %	TiO2 %
64111	572.0	577.0	5.	0				.012							
" 112	577.0	582.0	5.	0				.052							
" 113	582.0	587.0	5.	0				.040							
" 114	587.0	596.0	9.	0				.038							
115	596.0	598.5	2.	5				.022							
116	598.5	602.8	4.	3				.002							
117	602.8	607.0	4.	2				Tr							
118	607.0	612.0	5.	0				.014							
119	612.0	617.0	5.	0				.002							
120	617.0	622.0	5.	0				.010							
121	622.0	627.0	5.	0				.012							
122	627.0	632.0	5.	0				.014							
123	632.0	637.0	5.	0				Tr							
124	637.0	642.0	5.	0				.012							
125	642.0	647.0	5.	0				.002							
126	647.0	652.0	5.	0				.002							
127	652.0	657.0	5.	0				.024							
128	657.0	662.0	5.	0				.020							
129	662.0	667.0	5.	0				.012							
130	667.0	672.0	5.	0				Tr							

Forage No 111 - 21

JEB 2M GT



NUINSCO RESOURCES LIMITED
TORONTO ONTARIO
PROPERTY NAME:

CAMERON LAKE

LOCATION SKETCH
CLAIM NO. 465070

D.D.H. NO. NC-22

SCALE: 1"=400'

DATE: Dec. 7/83

DRAWN BY: A.D.HUNTER, GEOLOGIST

SIGNED: Doug Hunter

DRILL LOG

NUINSCO/LOCKWOOD

Property: Cameron Lake

DDH: NC-22

Co Ordinates: Lat.: 5+00 N Dep.: 0+50 W

Declination : 5° E Azimuth: 225°

Claim: 46 5030

Core Size: BQ

Total Depth: 777'

Date Hole Commenced: March 28, 1983

Date Completed: April 3, 1983

Logged By: A.D. Hunter

Doug Hunter

ACID TEST

Depth	Inclination	Depth	Inclination
134'	49°		
347'	48°		
547'	43°		

TROPARI TEST

Depth	Inclination	Azimuth	Depth	Inclination	Azimuth
150'	----	High magnetics from I.F.			
400'	----	?			
650'	41°	215° (220° reading -5° E for declination).			

Drill Log Summary	Assay	Comments
Mineralization:		

ABBREVIATIONS USED IN LOGGING:

Rock Type: MV metavolcanic; Tu tuff; QFP quartz feldspar porphyry.
A altered zone; Aw weak; Am moderate; As strong.
CSZ chloritic shear zone.

Texture: ms massive; gb gabbroid; vs vesicular; sp spotted;
am amygdaloidal; Rc rhomb-carbonated.

Structure: Fol foliated; Sh shear; My mylonite.

Grain Size: fgr fine < 1 mm; mgr medium 1-2 mm; cgr coarse > 2mm.

Veining: QCV quartz-carbonate vein; CV/QV carbonate vein/quartz vein;
%/5'=Estimate over 5' interval; estimate attitude; indicate color.

Alteration: Carb carbonatization; Sil silicification; Ser sericitization;
Chl chlorite; Hem hematite; F fuchsite; T tourmaline.
Modifier: Pvs pervasive; Df diffuse; Aw, Am, As,
Rc rhomb-carbonated; Qf quartz flooding (grey).

Mineralization: Py pyrite; Cpy chalcopyrite; Au gold; Ag silver.
Modifier: Dis disseminated; Pp pyrite porphyroblasts;
Ps pressure shadows; cl clusters; sv selvage; V veins.

Footage From	Footage To	DESCRIPTION	Sample No.	From	To	Length		Au oz/ton			
			64143	301.5	302.5	1.0		.092			
			44	344.6	347.5	2.9		.016			
			45	407.0	410.5	3.5		Tr.			
			46	415.8	422.0	6.2		Tr.			
			47	422.0	427.0	5.0		.052			
			48	427.0	432.0	5.0		.082	.07/20'		
			49	432.0	437.0	5.0		.123			
			50	437.0	442.0	5.0		.026			
			51	442.0	445.5	3.5		.012			
			52	458.7	463.0	4.3		Tr.			
			53	463.0	467.0	4.0		.032			
			54	467.0	472.0	5.0		.018			
			55	472.0	477.0	5.0		.172			
			56	477.0	482.0	5.0		.048			
			57	482.0	487.0	5.0		.068			
			58	487.0	492.0	5.0		.256			
			59	492.0	497.0	5.0		.110			
			60	497.0	502.0	5.0		.244	.243/30'		
			61	502.0	507.0	5.0		.216			
			62	507.0	512.0	5.0		.562		.15/70'	
			63	512.0	517.0	5.0		.062			
			64	517.0	522.0	5.0		.006			
			65	522.0	527.0	5.0		.082			
			66	527.0	532.0	5.0		.018			
			67	532.0	537.0	5.0		.056			
			68	537.0	542.0	5.0		.156			
			69	542.0	547.0	5.0		.012			
			70	547.0	552.0	5.0		.012			
			71	552.0	557.0	5.0		Tr.			
			72	557.0	562.0	5.0		.010			
			73	624.2	625.5	1.3		Tr.			
			74	632.0	637.0	5.0		.008			
			75	637.0	642.0	5.0		.004			
			76	642.0	647.0	5.0		Tr.			
			77	647.0	652.0	5.0		Tr.			
			78	652.0	657.0	5.0		Tr.			
			79	657.0	661.7	4.7		Tr.			
			80	661.7	666.3	4.6		Tr.			
			81	666.3	672.0	5.7		.016			
			82	672.0	677.0	5.0		Tr.			
			83	677.0	682.0	5.0		Tr.			
			84	682.0	687.0	5.0		Tr.			
			85	687.0	693.3	6.3		Tr.			

NUINSCO RESOURCES LIMITED

DRILL LOG

Depth	Rock type	Grain size Colour	Secondary Structure	Texture and Structure	Alteration	Mineralization	Comments
0 - 134'	Casing						No core recovery - mud highly oxidized iron formation as in NC-21 from 92' - 134'.
133' - 407'	Basalt flows	Med. dk. green	Well foliated C.A. 65° - 55°. Local chloritic zones with QCS- Tr. - 1% Py	Amygdaloidal zones alternate with massive lava 5-10% - 2mm to 1cm. QC-filled amygdules. Amygdaloidal .133' - 163' 178' - 208' Massive 163' - 178' 208'	Negligible slight greyish colouration from 133' - 139'	Tr. Py overall	
				Coarse, conspicuous gabbroic texture from 219' - 287'	Local bleaching in association with QCS from 287' - 306', 344.6' - 351' Assays	Tr. Py 2%, v.f.gr. 301.5' - 302.5' Tr.Ccp in QCS.	
				287.5' - 307.5' veinlet controlled bleaching with Py (note assay)			
407' - 417'	Altered Basalt	Light green			Incipient bleaching in assoc. with QCS		
Gradation 417' - 445.5'	Altered Zone	Light yellow, green yellow - grey			Ser.-C silicified QCV and QCS esp. 423'-429'	Tr.-5% Py as f.gr. disseminations and as concentrations on foln. surfaces.	Well silicified locally. over 2"-10" sections. Local T in 1mm QCS concentrations
445.5' - 458.7'	Altered Basalt	Light green-grey as from 407'-417'			Very high contact of disseminated C.		

Depth	Rock type	Grain size Colour	Secondary Structure	Texture and Structure	Alteration	Mineralization	Comments
458.7' - 543.5'	Altered zone As from 417-445.5'						
543.5' - 557'	Altered Basalt				Much less altered than above section.		
557' - 632'	Basalt	Med-dk. green		Massive	Local 1-2', light yellow green altered zones.	0.5-1% Py	Mafic flow rock similar to upper part of hole.
632' - 643.5'	Altered Basalt as from 543.5' - 557'	Light green					
643.5' - 655'	Basalt as from 557'-632'.						
655' - 693'	Altered Basalt	Light yellow grey predominant					Narrow zones of relatively unaltered basalt.
Gradational							QP dike 661.8' - 666.5'
693' - 716'	Basalt		Well foliated chloritic				

Depth	Rock type	Grain size Colour	Secondary Structure	Texture and Structure	Alteration	Mineralization	Comments
716' - 717'	QCS Chloritic shear zone	Med. to dk. green	Well foliated to schistose. Mylonitic sections - knife sharp sericite foliae against Chl. Evidence locally esp. at 756' of minor folding suggesting QCS deformed by (predate) the schistosity which may be a crenulation cleavage (2nd).	C.A. 70° - 80° 716' - 767' - 70° - 75° 767' - 777' - 80°	Chl. sericite partings and narrow bands conspicuous after 767' Best development of Chl. with QCV and QCS esp. as selvages.	Tr. Py. 1% Py noted in 2 narrow QCV, Tr. Cp and Hm. in QCS and QCV.	There may be some gabbro in this section. The chloritic zone may be a major structure marker. Narrow, clear-grey Q threads cut the most intensively deformed rock. Ptygmatic QCV shallow oblique to // C.A. (e.g.) 726', 741'.
END OF HOLE.							

Relog by L. Curtis / 83

NUINSCO RESOURCES LIMITED

DRILL LOG

Depth	Rock type	Grain size Colour	Secondary Structure	Texture and Structure	Alteration	Mineralization	Comments
228' - 416.5'	Mixed MV	Dk.green	Non-foliated -CQV's ¼" over entire section. -planar @ 45-50° C.A. At 347.5' mottled and foliated carbonated MV 'gabbro' Foln. 70° to C.A. 359.5', 364', 21" QV at 50° to C.A. Foln. @ 412' = 70°	Massive to black speckled MV Black speckled zones: 239'-250' 256'-263', 275'-280', 333.5'-341', 375'-383', 390'-392'. 342.5'-359' muttled foliated unit. Foln @ 246' = 60°, 328' = 50° Porphyroblasts of C increase 396' and become conspicuous after 397'. Black flecking is lost due to shearing, continues to 416', see CL 7.	Prominent breccia speckling in MV Black speckles, Chl. clots. These sections do not contain brown minerals. Prominent brown speckled mineral stretched. Porphyroblastic C unit is distinctive/ also contains brown mauve. Several CV's with 0.5" bleached halos.	Euhedral, dissem Py particularly in black flecked MV. Traces of euhedral Py in massive units.	Nonfoliated Foliated Veins with halos are significant - altern same as in main.
416.5' - 445.5'	Altern zone	pl. grey bleached	Fol @418'80° to CA @426'50° to CA @435'70° to CA Complex (stage 2) QCV @ 427-429', 431-432', 433',434, 439'-442', 444', FW fol = 85° to CA	Upper contact is gradational crosscut by convoluted QCV's Some are crosscut by Chl. CL 9 See CL 8. QV's have seams of f.gr. Py Stage (2) See CL 19. These are stage (2) QC flooding over the entire interval 6"	Pervasively Carb. Brown mineral (sericite?) smeared out in most sections. My sections are yellow (sericite?) Black threads in some Mylonitic intervals (CL 64).	Dissem. Py 2-3% consistent (Stage2) Trace Cpy in late ptygmatic QV's Stage (1) Py with Chl. rims common. Py in short 2-3" sections up to 10%	fragments black spec. bleached hem Complexly veined incorporated into QV Assays432'-437' =0.123oz/t Au See CL 65. Note: This whole section contains above normal Py and Q-flooding.

Depth	Rock type	Grain size Colour	Secondary Structure	Texture and Structure	Alteration	Mineralization	Comments
445.5' - 459.5'	Spotted MV	pl. green med.	Upper contact is sheared, Foln from 445.5'-447' = 70°, steeper MV contact and altern. zone.	Spotted porphyroblastic MV gradational HW and FW	Porphyroblasts From 458.5' the porphyroblasts coalesce to produce 2-3mm 'mottles' @ 459' - 459.5'	Trace Py (0.1%).	Is the porphyroblastic spotting in the MV a fn of proximity to altern zone
459.5' - 542.5'	Altern. zone	beige - bleached	Fol. @ 478', 65° to C.A. QV sub// to foln. Fol. @ 479.5', 70° to C.A. Contacts of most QV sub// to foln. Fol.@ 489'70°to CA 499'70°to CA 508'75°to CA 513'75°to CA Foln approaches 80-85° from 510' - 535'. Foln disrupted by QV 535'-545' at 540' 75-80°	@ 465' Q-T(?) V, 1" wide QPy flooding 463'-464', 472' - 476.5'. QV 472.5'-474' contains no C and only traces of Py - several 1-2" QV 474'-476'. QV 480.5', 1/3", 1/1", tr.yellow C (stage 2). Q flooding relatively common in Pyritic sections (see mineralization for footages) Within some Au sections are both Py and low Py samples. Compare CL 22A/22B. QV 1" @ 494', 2" @ 505.2', 3" @ 506.5' (tr C). Q flooding 516'-519.5' but low Py Some relict mottling 529'-530.5' Rock more massive from 530' with min. Py cubes 2% and erratically distributed stringers of f.gr. Py	Perv. Carbonits " (See CL 11) Sheared carbonated zones without much Py or Q-flooding are (see CL-12) interbedded with mineralized sections, e.g. 478'-486', 492'-497', 521' - 530'	Stage (2) Py is present in small amounts (1%) increases in the vicinity of QV'ing/flooding See 463'-464' 472'-476' Stage 1 Py is rare Strongly Pyritic (stage 2) zones: 477-78 2% 486-92 2-5% 497-514 continuous mind 2-5% 514-521 erratically mineralized over short sections e.g.521-22 521-530 weak (1% Py) 530-545 cø euhedra of Py (recrystall. stage 1) Chl./Q P shadows 1% 530'-545' QV ± C have tr.Cpy	Significant. Compare absence of Py in this section to above Py altern zone which assayed higher. Best assay 472-477' coincides with extensive vein and Py (5%) See CL 60 40% Q Assay 0.256 oz/t Au Assays 0.244, 0.216, 0.562 oz/t over QCV crosscuts Py V 5385 fractured PyV CPy network 533

Depth	Rock type	Grain size Colour	Secondary Structure	Texture and Structure	Alteration	Mineralization	Comments
459.5' - 542.5' cont'd.			536.5' - 545' QCV crosscut foln and stage 2 Py V's Over this interval QV 20% - see assays 537-542 0.156 Au	From 537' Chl content increasing suggestive of altered MV or proximity to MV contact. At 541' chlorite seams some are black/ crenulated = Chl.± carbonaceous material ? At 542.5' increase in pale, grass green altern and altered MV. At 544' epidote?/fuchsite? 545'definite altered MV (CL 24) Contact gradational.		Py selvages strongly developed in altered zones within QV (± tr Cpy) e.g. 539'-540' up to 10% Py	yellow C altered MV Best assays coincide with Py ± QV
542' - 557'	Altered MV	pl. to dk. green	Foln. 75° QCV's crosscut fol are sub// and ptygmatic	Sheared MV with dk chloritic CL 24 microveinlets crosscut by planar QCV's. - The Chl. C-rich V's have diffuse 0.5" bleached halos. Q-rich V's lack the halos.	Pl. green possibly some talc Some intervals of perv. altern. from 542'-546'	Euhedral Py cog^r up to 2-3mm dk. green chloritic? rinds 2% QV	Consistent cog^r Py through out section but low assay i.e. stage 1 Py not .....
					552'-553' zone of typical Q-Py rich altern. Py.	Py up to 25% over 2-3"	Au hooks like this 0.002 section should oz/t .....
557' - 577'	MC spotted	dk. green	Late CV's 45° to C.A. ½" planar Non-foliated CV's planar, commonly 45° to C.A. 0.75" av. ⅛" QCV's generally 90° to C.A.	Spotted MV C Porphyroblasts - short vesicular intervals (Pits contain Chl. ± Py.) Selvages to CV's are not bleached, but instead we have porphyroblasts of dolomite.	Pervasively Carbonated - Note that porphyroblasts are concentrated - adjacent. to Q(C)V's see 463'-465'	Trace 0.5% Py lge euhedra from 460' - subrounded characteristic up to 1% in some intervals	Distribution of porph. a fn of veining and proximity to QCV systems Note: QV's are rare throughout 542'-632' interval.

Depth	Rock type	Grain size Colour	Secondary Structure	Texture and Structure	Alteration	Mineralization	Comments
577' - 614'	MV	dk.green	CV system symmetrical about C.A. 25° - 30°	Massive to pitted vesicules MV/ CL 26 with rare spotted rhomb intervals 599'-602'. From 604' 50% of core is irregularly rhomb spotted - Pits Chl/Py. are not as common in spotted zones.	Few yellow altern. zones adjacent to Q CV's e.g. 577.5-578.5' Sharp contact @ 614' betw. spotted and massive MV.	1-2% dissem. c gr. euhedral Py.	
	partial spotting		Common C Microv. 1/0.25" @ 45° to C.A. see 605'-611'			Py in pits 0.5%	
614' - 632'	MV spotted QFP yellow	pl.yellow	Numerous planar CV	614'-624' Spotted intervals dominant.	From 618'-624' Chloritic and dk.green	1% dissem.cgr Py	What is significant of dk. Chl. zone no HW of altern zone?
			Non-foliated	624.4'-625.5' Qfp QV'd - QV's contain pieces of pyritized altered MV	C ± sericite? yellow ± fuchsite.	QV's tr. CPy	Why so close to altern.? do we find Qfp V.?
			Non-foliated	625.5' - 632' spotted CV MV		Py in pits	
632' - 634.5'	altered MV	pl.green yellow	Foliated @ 632.5'=65° to CA QV 633' - 633.5' multiple QV (flooding)	Pervasively altered MV foliated with ptygmatic CQV's sub// to foln, chloritic stringers and porphyroblastic Py.	Carbonatised	QV @ 633' has tr CPy. 633.5'-635' cgr. Py cubes.	
						Py rotated, encloses host rock. Porphyroblastic	
634.5' - 658'	MV	dk.green to pl. green MV	Strongly foliated 55-60° 635'-644' - then massive QC at 637' - 4" thick mineral.Fol. @ 637'=45-50° to C.A.	635'-644' sheared and fol. MV with minor QV *Black cren. and fol. mineral @ 637.5'and 658' (Chl.?) assoc. QV.	Some diffuse zones of Carb adjacent to QCV e.g. 643'-644'	Dissem. cgr. Py Stage (1) up to 1% F.gr. stage (2) in vicinity of QV and as stringers.	

Depth	Rock type	Grain size Colour	Secondary Structure	Texture and Structure	Alteration	Mineralization	Comments
634.5' - 658' cont'd..	spotted MV w alter.	spotted	Non-foliated Fol 657'=65°. Both contacts sheared/ foliated	645' - 650' Massive porphyrybl. spotted MV 650' - pl.green weakly altered MV	Porphyrobl. Carb. Pervasive C stains mauve	Dissem. cgr clusters Chl.rinds 1%	
658' - 661.7'	Altered MV	pl.green beige	Foliated 65-70° QV's with C + black mineral invade section 658'-660' 30%	Sheared altered MV with chloritic stringers and transposed ptygmatic QCV's ± black material	Pervasive Carb.	Py clusters in Q = recrystallized stage (1) cgr 1-3 mm 2%	
661.7' - 666.5'	QFP		QV and black mineral crosscut // to C.A. Weak foln.	QFP-granulated see CL-29 FW contact is Pyritic in .... altern.	Tr. fuchsite (?)	1% dissem. Py Pyritohedra	
666.5' - 690.7'	Altern. zone ± alterd MV	beige - emerald green	Contact fol 65° to C.A. Foln in altered MV @ 671' = 70°-75° Mylonitic at contacts e.g. 672', 675' produces a cleavage. Fol. @ 684' = 70° to C.A. QV rare Fol. @ 687' = 70°	667' - 678' Variably altered MV with sections of pl. green sheared MV containing diffuse beige altern. zones. QV are rare - from 679'-683.5' 15% ± Chl. ± Py selvages. Up to ½" wide and ptygmatic. 684-686' Massive altered zone 686-687' Unaltered MV;687-690.7' altered MV 688.5-690.1' QFP crosscut by QV // to C.A.	Yellow altern. coincides with sheared zones (May be some fuchsite) Tr. fuchsite/Chl. veinlets	Cgr Py clusters dissem. and along chloritic fractures 1%. Dissem.Py as selvages to Q.V/ 1% Py clusters ± Chl. Tr. Py.	

Depth	Rock type	Grain size Colour	Secondary Structure	Texture and Structure	Alteration	Mineralization	Comments
690.7' 716'	MV	pl.green to dk. green	Changes to strongly foliated MV crosscut by CQV sub// to // to foln. - also some ptygmatic veins // to C.A. which join the planar set.	Contact gradational over 2" CL-30 into weakly foliated MV - 693' - - See CL 32 and CL 31 Becomes more carbonated and paler after 704' CV ½" foln consistently 65°	Brown speckling probably carbonated Weak altern halos adjacent to QCV.		

Profondeur	Roche	Granulométrie et Couleur	Structure Secondaire	Texture et Structure	Altération	Minéralisation	Remarque
716-777	QCS chlorite ± ser. ± pyr.	medium to dark green.	Well foliated to schistose mylonitic structure - knife sharp sericite foliation against chlorite. Evidence [illegible] at 756' of minor folding suggesting QCS deformed by (pre-date) the schistosity which may be a crenulation cleavage (2nd)	c.a. 70°-30° 716 - 767 - 70°-75° 767 - 777 - 30°	Chlorite Sericite bearings and narrow bands conspicuous after 767'. Best development of chlorite with QCV and QCS [illegible] as schistosity.	Tr. pyrite 1% pyrite noted in 2 narrow QCV Tr. cp and Hm in QCS and QCV.	There may be some gabbro in this section. The chloritic zone may be a major structural marker. Narrow clear-grey quartz threads cut the most intensely deformed rock. Ptygmatic QCV shallow oblique to parallel core axis, (e.g. 726', 741'.
END OF HOLE							

Forage: NC-22.

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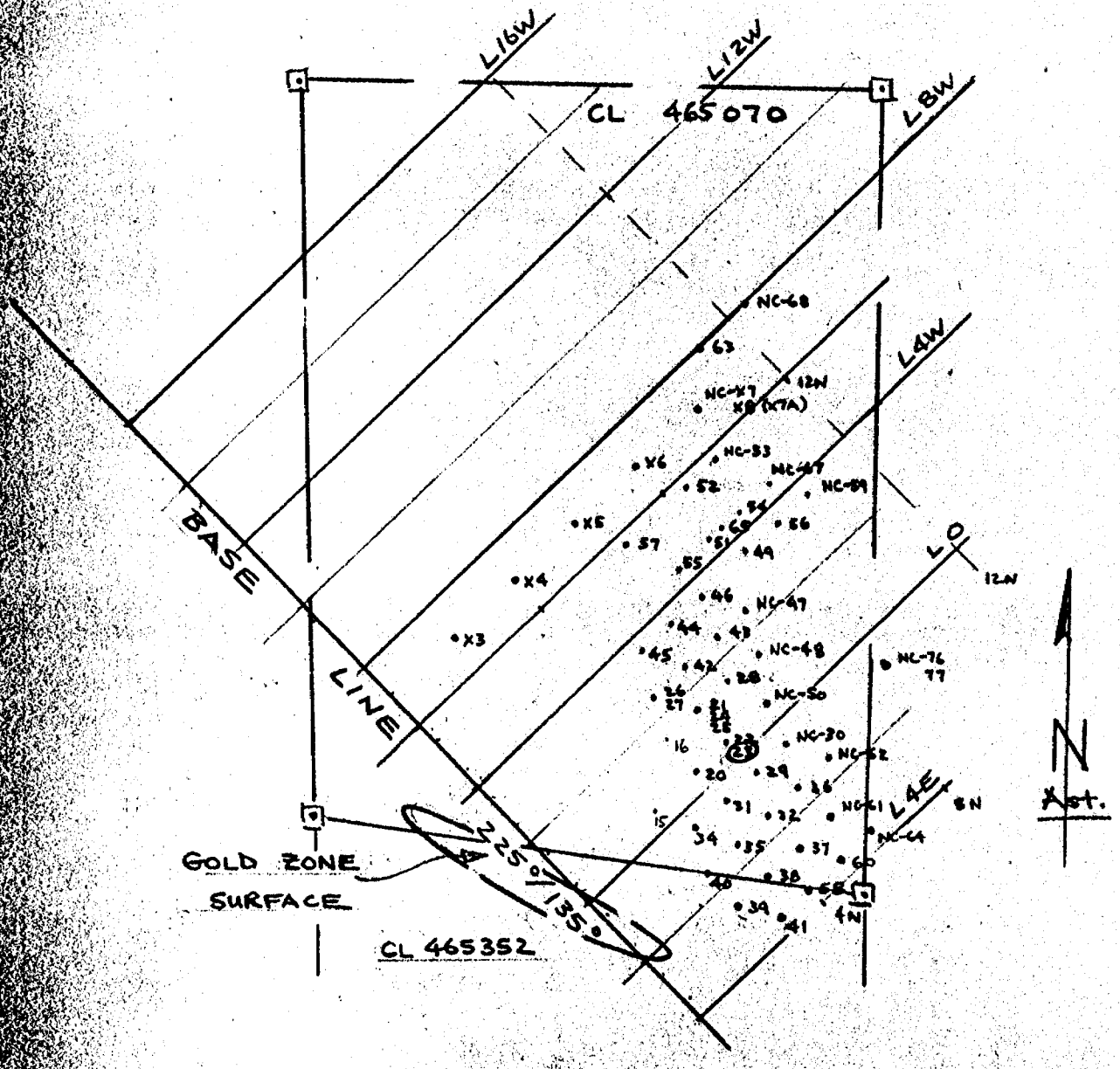


NUINSCO RESOURCES LIMITED
TORONTO ONTARIO
PROPERTY NAME:

CAMERON LAKE

LOCATION SKETCH
CLAIM NO. 465070

D.D.H. NO. NC-23

SCALE: 1"=400'

DATE: Dec. 7/83

DRAWN BY: A.D.HUNTER, GEOLOGIST

SIGNED: Doug Hunter

DRILL LOG

NUINSCO/LOCKWOOD

Property: Cameron Lake

DDH: NC-23

Co Ordinates: Lat.5+00 N Departure:0+50 W

Declination : 5° E Azimuth: 225°

Claim: 465070

Core Size: BQ

Total Depth: 907'

Date Hole Commenced: April 22, 1983

Date Completed: April 25, 1983

Logged By: A.D. Hunter

Doug Hunter

ACID TEST

Depth	Inclination	Depth	Inclination
130'	59.5°		
337'	58.0°		
537'	58.0°		
737'	55.0°		

TROPARI TEST

Depth	Inclination	Azimuth	Azimuth (corrected)	Depth	Inclination	Azimuth
200'	59°	222°	217°			
500'	57°	225°	220°			
800'	53°	229°	224°			

Drill Log Summary	Assay	Comments
Mineralization:		

ABBREVIATIONS USED IN LOGGING:

Rock Type: MV metavolcanic; Tu tuff; QFP quartz feldspar porphyry.
A altered zone; Aw weak; Am moderate; As strong.
CSZ chloritic shear zone.

Texture: ms massive; gb gabbroid; vs vesicular; sp spotted;
am amygdaloidal; Rc rhomb-carbonated.

Structure: Fol foliated; Sh shear; My mylonite.

Grain Size: fgr fine < 1 mm; mgr medium 1-2 mm; cgr coarse > 2mm.

Veining: QCV quartz-carbonate vein; CV/QV carbonate vein/quartz vein;
%/5'-Estimate over 5' interval; estimate attitude; indicate color.

Alteration: Carb carbonatization; Sil silicification; Ser sericitization;
Chl chlorite; Hem hematite; F fuchsite; T tourmaline.
Modifier: Pvs pervasive; Df diffuse; Aw, Am, As,
Rc rhomb-carbonated; Qf quartz flooding (grey).

Mineralization: Py pyrite; Cpy chalcopyrite; Au gold; Ag silver.
Modifier: Dis disseminated; Pp pyrite porphyroblasts;
Ps pressure shadows; cl clusters; sv selvage; V veins.

Footage From	Footage To	DESCRIPTION	Sample No.	From	To	Length		Au oz/ton				
			64186	134.0	141.0	7.0	.010	.010				
			187	234.5	235.0	0.5		.016				
			188	283.4	285.0	1.6		.056				
			189	404.0	405.4	1.4		Tr				
			190	427.0	434.5	7.5		Tr				
			191	513.6	518.2	4.6		Tr				
			192	518.2	521.2	3.0		.010				
			193	521.2	523.2	2.0		.014				
			194	523.2	528.2	5.0		.034		.17		
			195	528.2	533.2	5.0		.014		.07		
			196	533.2	542.5	9.3		.026	.020	.21		
			197	542.5	552.0	9.5		.052	.040	.44		
			198	552.0	557.0	5.0		.016		.89	.03 /	28.8
			199	557.0	562.0	5.0		.040	.20	28.8		
			64200	562.0	564.7	2.7		.205	.55			
			201	564.7	567.0	2.3		.195	.45			
			202	567.0	572.0	5.0		.261	1.31			
			203	572.0	574.7	2.7		.209	.56	.14	/33'	
			204	574.7	575.7	1.0		.170	.17	ov	.22	
			205	575.7	579.0	3.3		.032	.10		13.7	
			206	579.0	582.0	3.0		.056	.17			
			207	582.0	584.3	2.3		.306	.70			
			208	584.3	587.2	2.9		.028	.08			
			209	587.2	589.9	2.7		.12	.32			
			210	589.9	593.2	3.3		Tr		4.51	3.04	
			211	593.2	596.5	3.3		.016		32.9	13.7	
			212	596.5	600.5	4.0		.076		.30		
			213	600.5	603.2	2.7		.038		.10		
			214	603.2	606.9	3.7		.040		.15		
			215	606.9	608.4	1.5		.924	.60	1.40		
			216	608.4	609.4	1.0		.01		1.95	.16 /	
			217	609.4	612.9	3.5		Tr		12.0	12	
			218	612.9	615.3	2.3		.014				
			219	615.3	617.0	1.7		.184				
			220	617.0	621.0	4.0		Tr				
			221	621.0	625.0	4.0		Tr				
			222	650.8	651.8	1.0		Tr				
			223	663.0	664.0	1.0		Tr				
			224	664.0	665.0	1.0		Tr				
			225	728.0	731.0	3.0		Tr				
			226	741.0	743.4	2.4		Tr				
			227	749.3	749.8	0.5		.156				

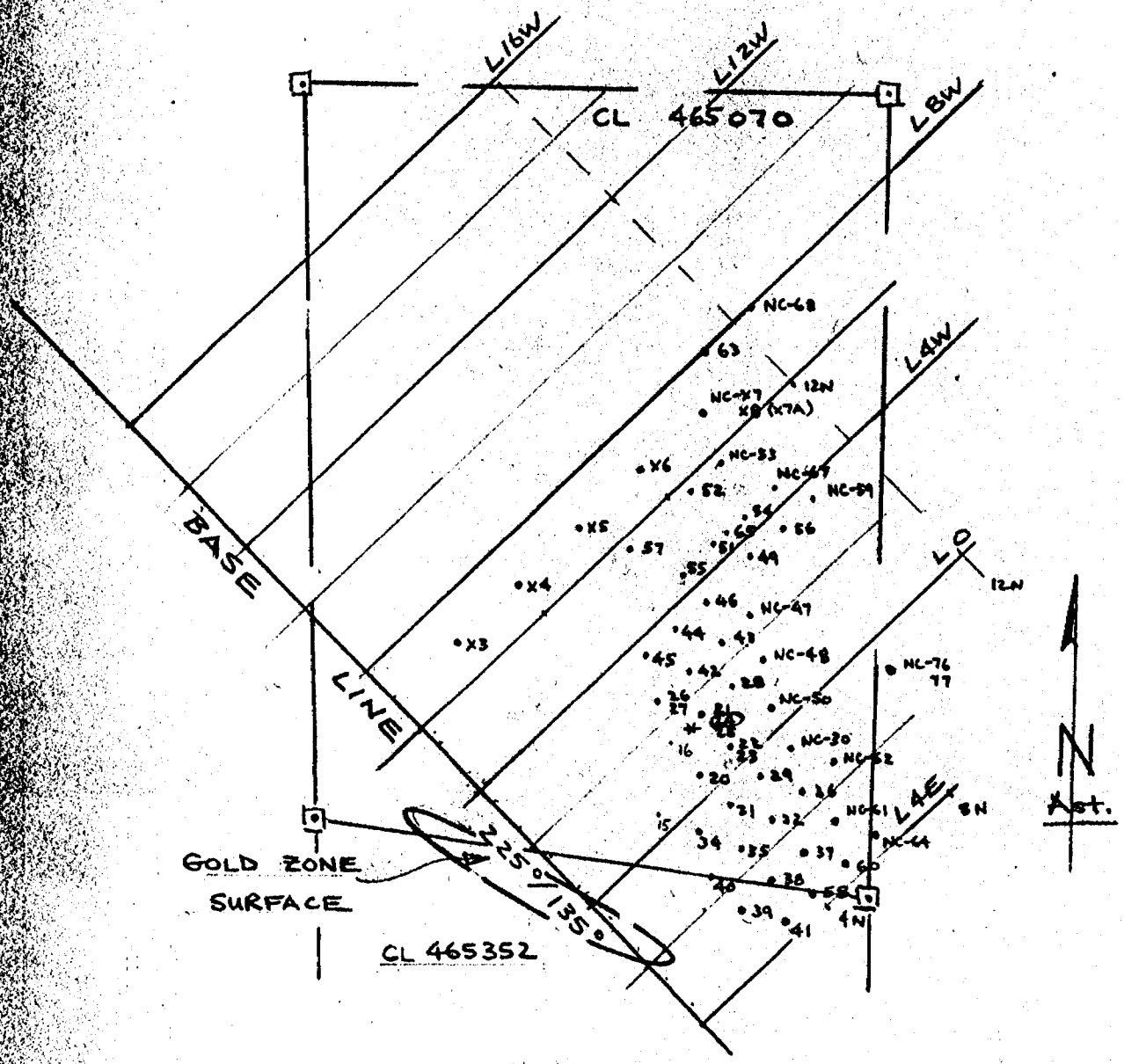
NUINSCO RESOURCES LIMITED

DRILL LOG

Depth	Rock type	Grain size Colour	Secondary Structure	Texture and Structure	Alteration	Mineralization	Comments
0' - 88'	Overburden						
88' -118'	Iron Fm.			Same unit as described at top of NC-21, on section 1+50W.			NW casing to a depth of 118', no core recovered very muddy oxidized zone. NX casing to a depth of 129'.
118' - 258.5'	Basalt flows	V.f.gr. to aphanitic	Well foliated, C.A. 45° 214' C.A. 50° 243' C.A. 50° 255' C.A. 47°	Pillowed and amygdaloidal. Overall 1-3% QC filled amygdules. Up to 5-10% locally. Narrow chlorite selvedges with associated hyaloclastite. From 202'-212.5' heavy dissem. carbonate zone, no primary features preserved.	Grey, carbonatized rock from 129'-135', gradual change into med.green flow rock at 146'. Py and Ccp noted in QCS at 139'. Yellow-green bleached rock in amygdaloidal zone, 228'-258.5'. Both diffuse - across foln. and bands of bleaching // to foln. Fracture controlled bleaching - may post-date S_1 and be transposed into S_1 largely	Tr. Py Bleached zone with QCS and 3-5% Py @ 234.5'-235'	From 118'-129' no core recovered - presumably altered - muddy zone in flows. 1' core ground (NW) betw. 129' and 132' Bleached zones are very siliceous, thin section needed here. D-1 (133'-carb.flow) D-2 (155.5' unaltered pillow D-3 (bleached flow rock = D-1, cut by QV with chlorite).
258.5' - 417' Gradation	Basalt	Med.to dk. green. Fine to med.gr.	Local well developed foln. 357' C.A. 45° 375' C.A. 55°(local) 387' C.A. 50°	Massive gabbroic texture, locally with wispy dk.-green amygdules (10%) developed in coarse grained sections.	Chl. locally in sheared sections with QV and QCS.	Tr. Py	Conspicuous sub mm carb. rhombs, about 401'

Depth	Rock type	Grain size Colour	Secondary - Structure	Texture and Structure	Alteration	Mineralization	Comments
417' - 451'	Altered Basalt	Grey - Yellow grey	Well foliated, C.A. 60°		Most intense altern. at 427' - 434.5'	Tr. - 1% Py	From 427' - 434.5' resembles the 'speckled' tuff of 1981 drill programme.
Gradational							
451' - 513'	Basalt as from 258.5'-417'	Med.green			Heavy dissem. carb. rhombs.		
Gradational							
513' -	Altered, sheared zone	Light Yellow Grey	Intensely deformed schistose. 525' C.A. 60° 550' C.A. 50° Local contortion of schistosity on scale of core width	Local relict amygdules preserved.	Carb., ser. and qtz. Tm.	V. f. gr. 0.5%-3% Py	513'-535.5', Lt. yellow colour, not very siliceous. 535.5'-550.8' Grey, yellow-grey, more siliceous and much v.f.gr. Py in more siliceous sections.
550.8' - 564.7'	Altered zone	Light, Yellow grey	C.A. foln. 60° to 65° in highly deformed zones, siliceous zones.		Varying degrees of ser.-carb. qtz. development reflect in colour changes throughout.		Becomes increasingly siliceous downhole. From 564.7' 575.7', grey siliceous section with v.f.gr. dusty Py and chalcopyrite.
564.7' - 575.7'	Altered Zone	Grey siliceous	C.A. 50° in less altered and determined rock.				Late ptygmatic QCV 584.3'-587.2' and 606.9'-608.4' esp.
575.7' - 609.4'	Altered Zone	Light Yellow-grey	Not as siliceous as prev. section overall some short silicified zones broken out for assay.				Black tm stringers and threads assoc. with late QCV and QCS. Fuchsite dissem.up to 1-3% in some short sections.

Depth	Rock type	Grain size Colour	Secondary Structure	Texture and Structure	Alteration	Mineralization	Comments
609.4' - 636'	Altered Basalt	Light grey Yellow green	C.A. 50° Foln. not well developed	From 615.3' - 617' (1.7') altered silicified section with 3 - 5% Py			615.3'-617' resembles main altered zone.
Gradational 636' - 779'		Light to med. green			Local bleaching and shearing with 1-5% Py 222 224	Tr. - 1% Py cubes as disseminations. Disseminated carb. rhombs 5-15%	Relatively unaltered flow rock. QP dike at 623'
	Basalt	Med.green	Sheared zones C.A. 65° - 70°	Generally quite massive with foln. developed in association with narrow zones of bleaching - alteration	Local ser. carb. bleach zones with Py. 726.5'-731.0' Hematitic shear zones at 739'-740.2' and 775'-777'	Tr.-1% disseminated Py cubes, core is pitted in places with cubes evident in vugs	Only very local alteration in zones of intense shearing, marked by hematite and pale yellow ser.carb. bleaching.
779'- 858'	Chl.carb. rich zone	Dark green	Well foliated, C.A. 55 - 60° Most intense shearing from 823' - 858'		Chloritic - sheared, high contact at dissem. rhombic carb. 10-25% up to 1mm across	Tr. Py locally	There may be some sheared obliterated gabbro in this section. Impossible to draw a contact.
858' - 907'	Gabbro	Sheared, med.gr. equigranular	Foliated, but becoming less sheared downhole		Massive chl. bands assoc. with QC - Tm veins at 855'		
END OF HOLE							



NUINSCO RESOURCES LIMITED
TORONTO ONTARIO
PROPERTY NAME:

CAMERON LAKE

LOCATION SKETCH
CLAIM NO. 465070

D.D.H. NO. NC-24

SCALE: 1"=400'

DATE: Dec. 7/83

DRAWN BY: A.D.HUNTER, GEOLOGIST

SIGNED: Doug Hunter

DRILL LOG

NUINSCO/LOCKWOOD

Property: Cameron Lake

DDH: NC 24

Co Ordinates: Footage NC-24

Claim: 465070

Declination : 5° E

Azimuth: 225°

Core Size: BQ

Total Depth: 867'

Date Hole Commenced: April 26, 1983

Date Completed: April 28, 1983

Logged By: A.D. Hunter

ACID TEST

Depth	Inclination	Depth	Inclination
107'	60°		
307'	59°		
507'	56°		
707'	52.5°		

TROPARI TEST

Depth	Inclination	Azimuth	Azimuth (corrected)	Depth	Inclination	Azimuth
500'	61°	203°	198°			
800'	53°	229°	224°			

Drill Log Summary	Assay	Comments
Mineralization:		

ABBREVIATIONS USED IN LOGGING:

Rock Type: MV metavolcanic; Tu tuff; QFP quartz feldspar porphyry.
A altered zone; Aw weak; Am moderate; As strong.
CSZ chloritic shear zone.

Texture: ms massive; gb gabbroid; vs vesicular; sp spotted;
am amygdaloidal; Rc rhomb-carbonated.

Structure: Fol foliated; Sh shear; My mylonite.

Grain Size: fgr fine <1 mm; mgr medium 1-2 mm; cgr coarse >2mm.

Veining: QCV quartz-carbonate vein; CV/QV carbonate vein/quartz vein;
%/5'-Estimate over 5' interval; estimate attitude; indicate color.

Alteration: Carb carbonatization; Sil silicification; Ser sericitization;
Chl chlorite; Hem hematite; F fuchsite; T tourmaline.
Modifier: Pvs pervasive; Df diffuse; Aw, Am, As,
Rc rhomb-carbonated; Qf quartz flooding (grey).

Mineralization: Py pyrite; Cpy chalcopyrite; Au gold; Ag silver.
Modifier: Dis disseminated; Pp pyrite porphyroblasts;
Ps pressure shadows; cl clusters; sv selvage; V veins.

1 sheet

checked assay #s

Sample No.	From	To	Length		oz/ton Au		
64228	373.0	374.7	1.7	Tr			
229	409.2	412.3	3.1	Tr			
230	412.3	417.0	4.7				
231	417.0	421.5	4.5				
232	421.5	424.5	3.0				
233	424.5	427.0	2.5				
234	427.0	429.2	2.2				
235	429.2	433.5	4.3				
236	433.5	435.3	1.8				
237	435.3	442.0	6.7				
238	442.0	447.0	5.0				
239	447.0	451.2	4.2				
240	451.2	457.0	5.8				
241	457.0	462.0	5.0				
242	462.0	467.0	5.0				
243	467.0	472.0	5.0				
244	472.0	477.0	5.0	Tr.			
245	477.0	482.0	5.0	.022		0.11	
246	482.0	485.0	3.0	.40		2.00 1.20	
247	485.0	487.5	2.5	.320		0.80	
248	4875	489.1	1.6	.120	.182	0.19	
249	489.1	492.0	2.9	.114	22.8	0.33	
250	492.0	4960	4.0	.326		1.30	
251	4960	499.8	3.8	.054		.21	4.14 .181
252	499.8	503.8	4.0	Tr		4.14	22.8
253	5038	506.4	2.6	.028	.073		
254	5064	511.6	5.2	Tr			
255	511.6	517.0	5.4	Tr			
256	517.0	522.0	5.0	Tr			
257	522.0	527.0	5.0	Tr			
258	527.0	532.0	5.0	TR			
259	532.0	535.6	3.6	.011	.039		
260	535.6	5394	3.8	.142	2.05	.54	
261	5394	542.7	3.3	.106	.35	.35	
262	542.7	544.2	1.5	Tr		.89	.125
263	544.2	544.9	0.7	Tr		7.1	
264	544.9	550.7	5.8	.01	.06		
265	550.7	553.2	2.5	Tr			
266	553.2	555.6	2.4	Tr			
267	555.6	556.6	1.0	.460			

c mean

Sample No.	From	To	Length	oz/ton Au	oz/ton Ag	oz/ton Au
64268	556.6	561.0	4.4	.022	.10	
269	561.0	564.2	3.2	.216	.69	
270	564.2	567.0	2.8	V.G.	1.60(A) 2.43(B) 2.0	
271	567.0	569.5	2.5	.066	.165	
272	569.5	573.0	3.5	.028	.098	
273	573.0	576.0	3.0	Tr	——	
274	576.0	579.4	3.4	.086	.292	
275	579.4	581.6	2.2	.182	.400	
276	581.6	584.4	2.8	.132	.370	
277	584.4	587.5	3.1	.174	.539	
278	587.5	589.5	2.0	.024	.048	
279	589.5	590.8	1.3	.052	.068	
280	590.8	592.8	2.0	.054	.108	
281	592.8	594.5	1.7	.030	.051	
282	594.5	597.0	2.5	.034	.085	
283	597.0	599.8	2.8	.124	.347	
284	599.8	602.5	2.7	.088	.237	
285	602.5	604.3	1.8	.016	.028	
286	604.3	608.3	4.0	.052	.208	
287	608.3	611.0	2.7	.066	.178	
288	611.0	613.3	2.3	.176	.400	
289	613.3	617.9	4.6	.056	.258	
290	617.9	621.6	3.7	.01	.037	
291	621.6	623.0	1.4	.128	.179	
292	623.0	624.6	1.6	Tr	8.159	
293	624.6	627.0	2.4	Tr		
294	627.0	632.4	5.4	Tr		
295	632.4	635.0	2.6	Tr		
296	635.0	637.0	2.0	.026	.052	
297	637.0	639.8	2.8	.024	.067	
298	639.8	642.3	2.5	V.G.	.58(A) 1.55 .672(B)	
299	642.3	644.5	2.2	.024	.053	
300	644.5	647.5	3.0	.072	.216	
301	647.5	648.7	1.2	Tr		
302	648.7	651.0	2.3	Tr		
303	651.0	653.1	2.1	.018		
304	653.1	657.0	3.9	Tr		
305	657.0	662.3	5.3	Tr		
306	662.3	663.9	1.6	.022		

8.159 / 67.4'

0.12 oz cut / 67.4'

0.179 oz cut / 67.4'

7.963 @ 0.157 / 12.5'

Ave. .62 oz/ton

NB

555.6 – 647.5
91.9' @ 0.11 cut
@ 0.15 uncut

&

535.6 – 647.5'
111.9' @ 0.098 cut
@ 111.9' @ 0.13 uncut

@ 0.097 / 190.5'

Sample No.	From	To	Length	oz/ton Au
64307	706.5	709.3	2.8	.016
308	720.0	722.7	2.7	.038
309	728.7	729.8	1.1	Tr
310	729.8	731.3	1.5	.030
311	737.0	742.0	5.0	Tr
312	742.0	747.5	5.5	Tr
313	747.5	749.5	2.0	Tr
314	766.0	768.0	2.0	.052
315	772.0	772.9	0.9	.018
316	779.4	780.1	0.7	Tr
317	796.2	799.0	2.8	.252
318	843.8	844.6	0.8	Tr.
319	847.0	848.3	1.3	Tr.

NUINSCO RESOURCES LIMITED

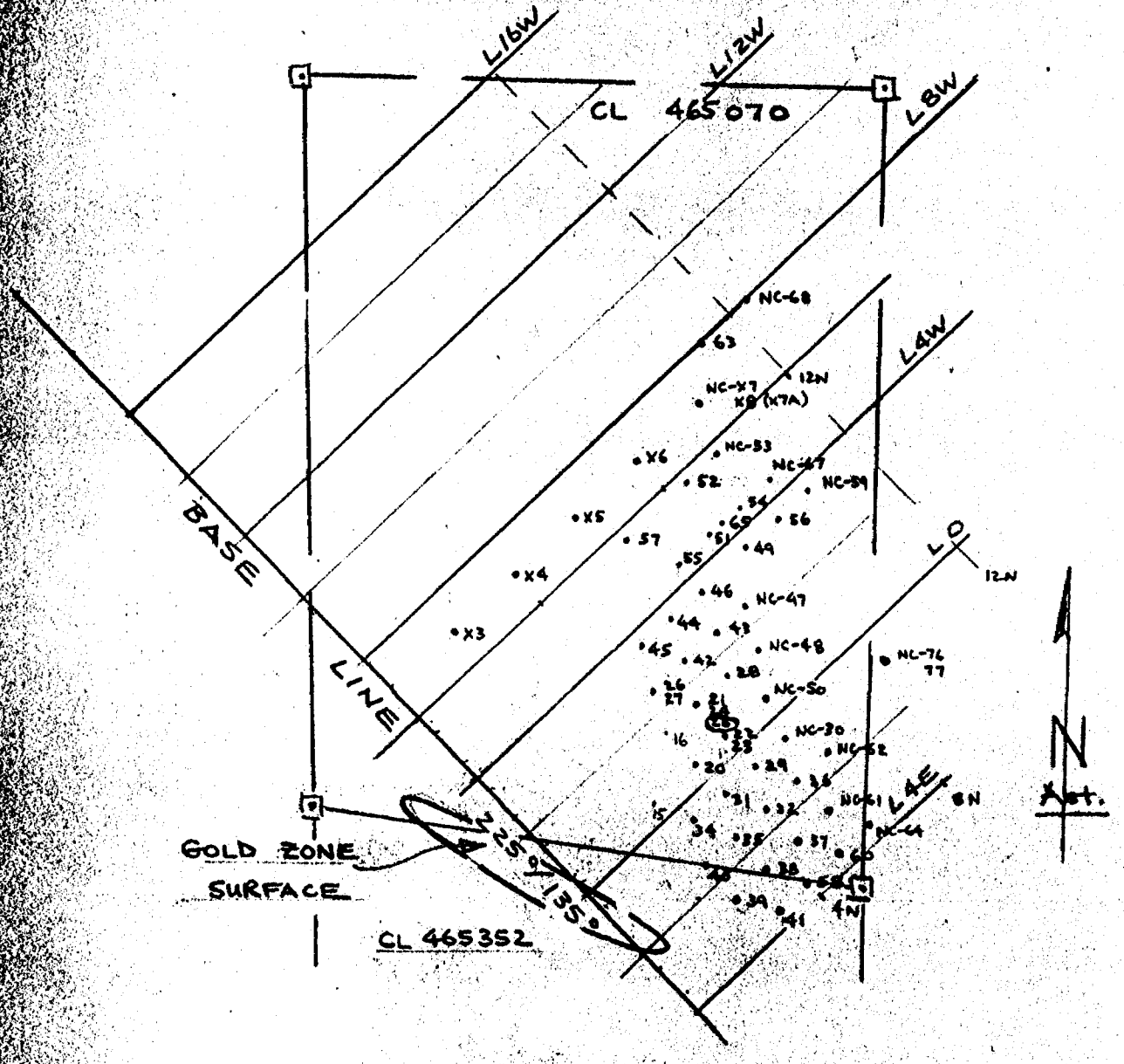
DRILL LOG

Depth	Rock type	Grain size Colour	Secondary - Structure	Texture and Structure	Alteration	Mineralization	Comments
0 - 103'	Casing						
103' - 207' Gradation	Basalt	Med. to dark green	Fol., C.A. 55° - 62°, 50° at 190' @ 195', shear at 35-40° C.A.	Amygdaloidal, pillowed. In general 1-5% amygdules. Highly vesicular from 103'-195', up to 15-20% over 5-10' intervals. Both QC filled and wispy chloritic amygdules in the upper 20' of this hole.	Negligible overall local bleaching inside pillows controlled by fractures and vesicles - does not cut selvedges very early. See samples in condensed hole.	Tr.-1% f.gr. dissem Py. Ccp blebs noted in QCS cutting foln.	Early bleaching seen in the flow rocks predates the main altern event associated with gold mineralization
207' - 229.5'	Basalt	Dark green	Fol. locally C.A. 60°	Massive	V.f.gr. dissem. carb. evident locally	Tr. - 0.5% Py	
229.5' - 331.6'	Basalt	Dark green	Fol. C.A. 55 - 60°	Pillowed and amygdaloidal. Narrow dark green bands with hyaloclastite define pillow selvages	Locally bleaching with ser. in association with shearing	V. f.gr. Py in selvages with QC, also seams of Py locally	
331.6' - 349'	Basalt			Massive as from 207' - 229.5'			
349' - 394.8'	Basalt	Dark green	Fol. C.A. 50°-60°	As from 229.5'-331.6'	Increasing downhole with respect to bleaching and carb. contact	Tr.-1%, f.gr. dissem Py	
394.8' - 409.2'	Altered Basalt				Pervasively carbonatized, but not markedly deformed.		

Depth	Rock type	Grain size Colour	Secondary - Structure	Texture and Structure	Alteration	Mineralization	Comments
409.2' - 663'	Altered Zone	Gray, Yellow gray	Fol., C.A. 60°-65° Intensely deformed contorted zone 421.5'-435.3' (seen in NC-25)	409.2'-482' Sericitic with Tr. Py	Sericite	Tr.Py, Ccp blebs in late ptygmatic QCS	Disseminated Py and black Tm in the deformed zone.
				482' - 496' More siliceous than above section well mineralized	Ser.-quartz	1-5%, f.gr. to dusty dissem. Py. up to 1mm cubes	Late QCS with Ccp blebs as in section above
				496' - 535.6' As 409.2'-482'		Tr. - 1% Py	
				535.6' - 542.8' Very siliceous, gray brecciated zone		Tr. - 2% Py	
				542.8' - 561' Similar to 409.2'-482' but more siliceous and better mineralized			
			Fol. Qtz-Py - Chl veins	561' - 569.5' Very siliceous, gray to milky white, brecciated, silicif.zone. Pyritic with V.G. in early cherty and milky white Qtz.		V.G.	This section is very high grade locally. Clear QCS and QCV cut the gold bearing veins. These are ptygmatic, often seen cross-cutting the schistosity.
				569.5' - 576' as from 409.2'-482'			
				576' - 602.5' Very siliceous, pyritic section gray, yellow-gray. Gray silicified section 561' - 569.5'	Silicified	1-5% v.f.gr., dissem. Py and in concen - trations or bands along foln.	

Depth	Rock type	Grain size Colour	Secondary Structure	Texture and Structure	Alteration	Mineralization	Comments
409.2' - 663' cont'd..				602.5' - 611' Relatively unsilicified 611' - 621' Relatively unaltered basalt. 621' - 627' As from 602.5'-611' 627' - 635' As from 611'-621' 635' - 647.5' Very siliceous, resembles 576'-602.5' 647.5' - 663' Grey, yellow-orange banded, sericitic, not as siliceous as previous section.		V.G. at 642' High grade specimen 1-2%, dissem. Py.	QP dike at 623'-624.6'
Gradational 663' - 796.2'	Basalt	Dark green	Foln. locally developed in assoc. with hem-ser-qtz altern. C.A.50-60° locally 45°	Massive-featureless amygdules and pillow selvages locally developed after 749.5'	Fracture controlled bleaching over 1' sections. Other zones of pink hematitic alteration with QCS at 671'-672', 638'-684' (V.G.), 706.5'-712.5' 720.7'-722.7', 718' - 721.5', 737' - 747.5' Ser. well developed from 744.5'-747', chloritized from 749.5'-754'	0.5-1% cubic Py grains dissem.throughout. Seams and bands of f.gr.Py, very locally developed. V.G. noted in a grey qtz stringer - 1cm across at 684.2'. Quartz-black Tm vein from 747.5' - 749.5'	Massive flow(s), QP dike at 711'-712'

Depth	Rock type	Grain size Colour	Secondary Structure	Texture and Structure	Alteration	Mineralization	Comments
796.2' - 799'	Shear zone		C.A. 55° shearing		Ser.-Py 50% QCV		
799' - 832'	Chloritic shear zone		C.A. 60° to 808.5'				Contorted, crenulated fissile rock - very chloritic to 832'. Less shearing but still highly deformed after 832'
Gradation							
832' - 842.2'	Basalt		C.A. 60° at 842'				
842.2' - 848.3'	Qtz.- Ser. Zone				Very hard siliceous. Local development of QCV and fuchsite(?)	Tr.-Py.	
848.3' - 867'	Basalt	F.gr. equigranular. Dk.green	Subtle foln, C.A. 55°	Massive - local development of foln.		Ccp blebs to 2 mm on chlorite slips and in v. f. qtz stringers	



NUINSCO RESOURCES LIMITED
TORONTO ONTARIO
PROPERTY NAME:

CAMERON LAKE

LOCATION SKETCH
CLAIM NO. 465070

D.D.H. NO. NC-25

SCALE: 1"=400'

DATE: Dec. 7/83

DRAWN BY: A.D.HUNTER, GEOLOGIST

SIGNED: Doug Hunter

DRILL LOG

NUINSCO/LOCKWOOD

Property: Cameron Lake

DDH: NC-25

Co Ordinates: Lat.5+00 N Departure: 1+50 W

Declination : 5° E Azimuth: 225°

Claim: 465070

Core Size: BQ

Total Depth: 807'

Date Hole Commenced: April 29, 1983

Date Completed: May 2, 1983

Logged By: A.D.Hunter

ACID TEST

Depth	Inclination	Depth	Inclination
117'	55°		
327'	54°		
507'	52°		
717'	52°		

TROPARI TEST

Depth	Inclination	Azimuth	Azimuth (corrected)	Depth	Inclination	Azimuth
200'	53°	221°	216°			
500'	53°	226°	221°			
800'	50°	233°	228°			

Drill Log Summary	Assay	Comments
Mineralization:		

ABBREVIATIONS USED IN LOGGING:

Rock Type: MV metavolcanic; Tu tuff; QFP quartz feldspar porphyry.
A altered zone; Aw weak; Am moderate; As strong.
CSZ chloritic shear zone.

Texture: ms massive; gb gabbroid; vs vesicular; sp spotted;
am amygdaloidal; Rc rhomb-carbonated.

Structure: Fol foliated; Sh shear; My mylonite.

Grain Size: fgr fine < 1 mm; mgr medium 1-2 mm; cgr coarse > 2mm.

Veining: QCV quartz-carbonate vein; CV/QV carbonate vein/quartz vein;
%/5'=Estimate over 5' interval; estimate attitude; indicate color.

Alteration: Carb carbonatization; Sil silicification; Ser sericitization;
Chl chlorite; Hem hematite; F fuchsite; T tourmaline.
Modifier: Pvs pervasive; Df diffuse; Aw, Am, As,
Rc rhomb-carbonated; Qf quartz flooding (grey).

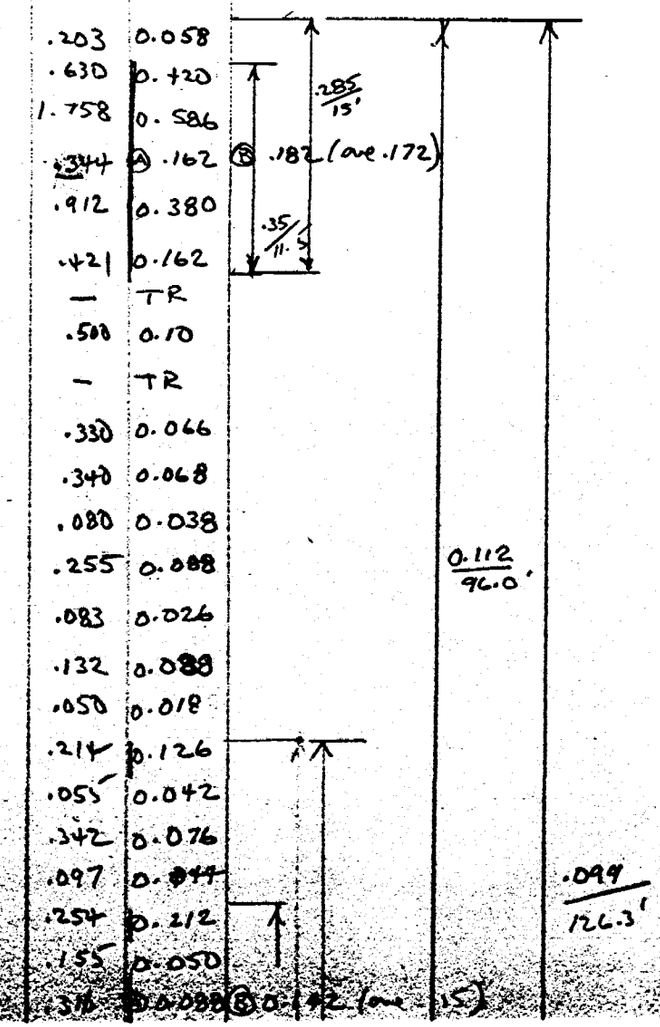
Mineralization: Py pyrite; Cpy chalcopyrite; Au gold; Ag silver.
Modifier: Dis disseminated; Pp pyrite porphyroblasts;
Ps pressure shadows; cl clusters; sv selvage; V veins.

SAMPLE RECORD

checked assays

NC-25
sheet 1

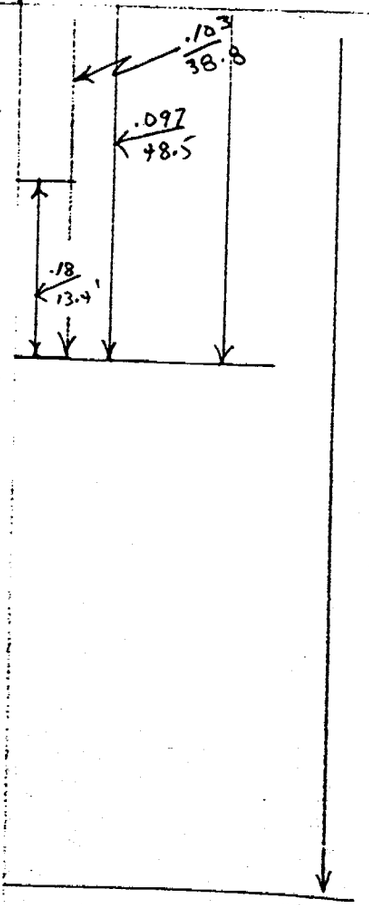
SAMP #	FROM	TO	LENGTH	LENGTH x OZ	OZ/TON AU
64320	282.3	285.5	3.2		0.122
321	+26.7	428.5	1.8		
322	+28.5	+29.5	1.0		
323	+29.5	+32.0	2.5		
324	+32.0	437.0	5.0		
325	+37.0	+42.0	5.0		
326	+42.0	+45.5	3.5		
327	+45.5	+47.0	1.5		
328	+47.0	+52.0	5.0		
329	+52.0	+55.5	3.5	.203	0.058
330	+55.5	+57.0	1.5	.630	0.420
331	+57.0	+60.0	3.0	1.758	0.586
VG 332	+60.0	+62.0	2.0	.344	(A) .162
333	+62.0	+64.4	2.4	.912	0.380
334	+64.4	+67.0	2.6	.421	0.162
335	+67.0	+68.5	1.5	—	TR
336	+68.5	+73.5	5.0	.500	0.10
337	+73.5	+77.0	3.5	—	TR
338	+77.0	+82.0	5.0	.330	0.066
339	+82.0	+87.0	5.0	.340	0.068
340	+87.0	+89.1	2.1	.080	0.038
341	+89.1	+92.0	2.9	.255	0.088
342	+92.0	+95.2	3.2	.083	0.026
343	+95.2	+96.7	1.5	.132	0.088
344	+96.7	+99.5	2.8	.050	0.018
345	+99.5	501.2	1.7	.214	0.126
346	501.2	502.5	1.3	.055	0.042
347	502.5	507.0	4.5	.342	0.076
348	507.0	509.2	2.2	.097	0.044
349	509.2	510.4	1.2	.254	0.212
350	510.4	513.5	3.1	.155	0.050
351	513.5	516.2	2.7	.318	(B) 0.118



SAMPLE RECORD

NC 25
Sheet 2

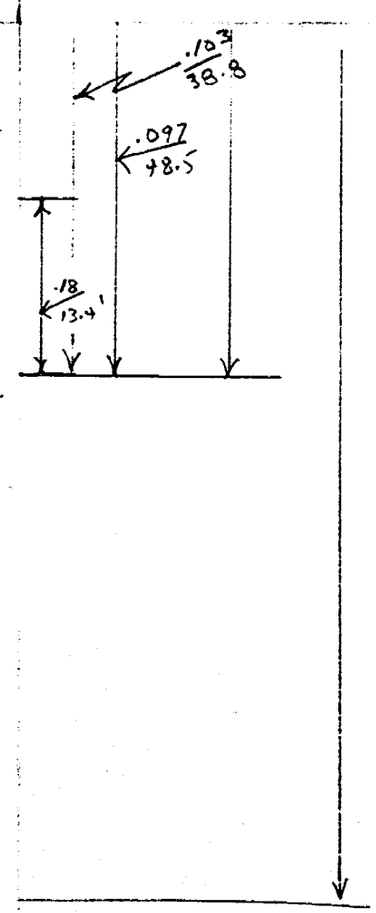
SAMP #	FROM	TO	WIDTH	Au g/t	Wt x Au
64353	519.1	523.2	4.1	0.024	.098
354	523.2	527.0	3.8	0.018	.068
355	527.0	530.0	3.0	0.074	.222
356	530.0	534.6	4.6	0.070	.322
357	534.6	539.3	4.7	0.172	.808
358	539.3	543.6	4.3	0.186	.800
359	543.6	545.0	1.4	0.226	.316
360	545.0	548.0	3.0	0.152	.456
361	548.0	551.0	3.0	0.074	.222
362	551.0	553.6	2.6	0.042	.109
363	553.6	555.5	1.9	0.082	.156
364	555.5	559.3	3.8	0.026	.099
365	559.3	561.3	2.0	0.034	.068
366	561.3	563.5	2.2	0.066	.145
367	563.5	565.7	2.2	0.064	.141
368	565.7	566.3	0.6	0.052	.031
369	566.3	570.7	4.3	0.064	.275
370	570.7	571.2	0.5	0.056	.028
371	571.2	573.2	2.0	0.094	.188
372	573.2	576.2	3.0	0.060	.18
373	576.2	578.3	2.1	0.066	.139
374	578.3	582.3	4.0	Tr	
375	582.3	585.5	3.2	0.024	
376	628.0	629.2	1.2	0.052	
377	656.4	657.5	1.1	Tr	
378	657.5	659.9	2.4	0.038	
379	660.7	663.3	2.6	Tr	
380	663.3	667.7	4.4	0.062	
381	687.5	688.5	1.0		
382	688.5	689.1	0.6		
383	689.1	692.0	2.9		



SAMPLE RECORD

NC 25
Sheet 2

SAM #	FROM	TO	WIDTH	AU oz/ton	W. oz
64353	519.1	523.2	4.1	0.024	.098
354	523.2	527.0	3.8	0.018	.068
355	527.0	530.0	3.0	0.074	.222
356	530.0	534.6	4.6	0.070	.322
357	534.6	539.3	4.7	0.172	.808
358	539.3	543.6	4.3	0.186	.800
359	543.6	545.0	1.4	0.226	.316
360	545.0	548.0	3.0	0.152	.456
361	548.0	551.0	3.0	0.074	.222
362	551.0	553.6	2.6	0.042	.109
363	553.6	555.5	1.9	0.082	.156
364	555.5	559.3	3.8	0.026	.099
365	559.3	561.3	2.0	0.034	.068
366	561.3	563.5	2.2	0.066	.145
367	563.5	565.7	2.2	0.064	.141
368	565.7	566.3	0.6	0.052	.031
369	566.3	570.7	4.3	0.064	.275
370	570.7	571.2	0.5	0.056	.028
371	571.2	573.2	2.0	0.094	.188
372	573.2	576.2	3.0	0.060	.18
373	576.2	578.3	2.1	0.066	.139
374	578.3	582.3	4.0	Tr	
375	582.3	585.5	3.2	0.024	
376	628.0	629.2	1.2	0.052	
377	656.4	657.5	1.1	Tr	
378	657.5	659.9	2.4	0.036	
379	660.7	663.3	2.6	Tr	
380	663.3	667.7	4.4	0.062	
381	687.5	688.5	1.0		
382	688.5	689.1	0.6		
383	689.1	692.0	2.9		
384	692.0	694.8	2.1	0.030	



SAMPLE RECORD

NC-25
→ test 3.

SAMP #	FROM	TO	WIDTH	AU OZ/TON
64386	694.6	698.0	3.4	
387	698.0	701.0	3.0	
388	701.0	703.2	2.2	
389	703.2	706.4	3.2	
390	707.0	708.8	1.8	
391	731.6	734.1	2.5	0.034
392	759.1	760.6	1.5	

NUINSCO RESOURCES LIMITED

DRILL LOG

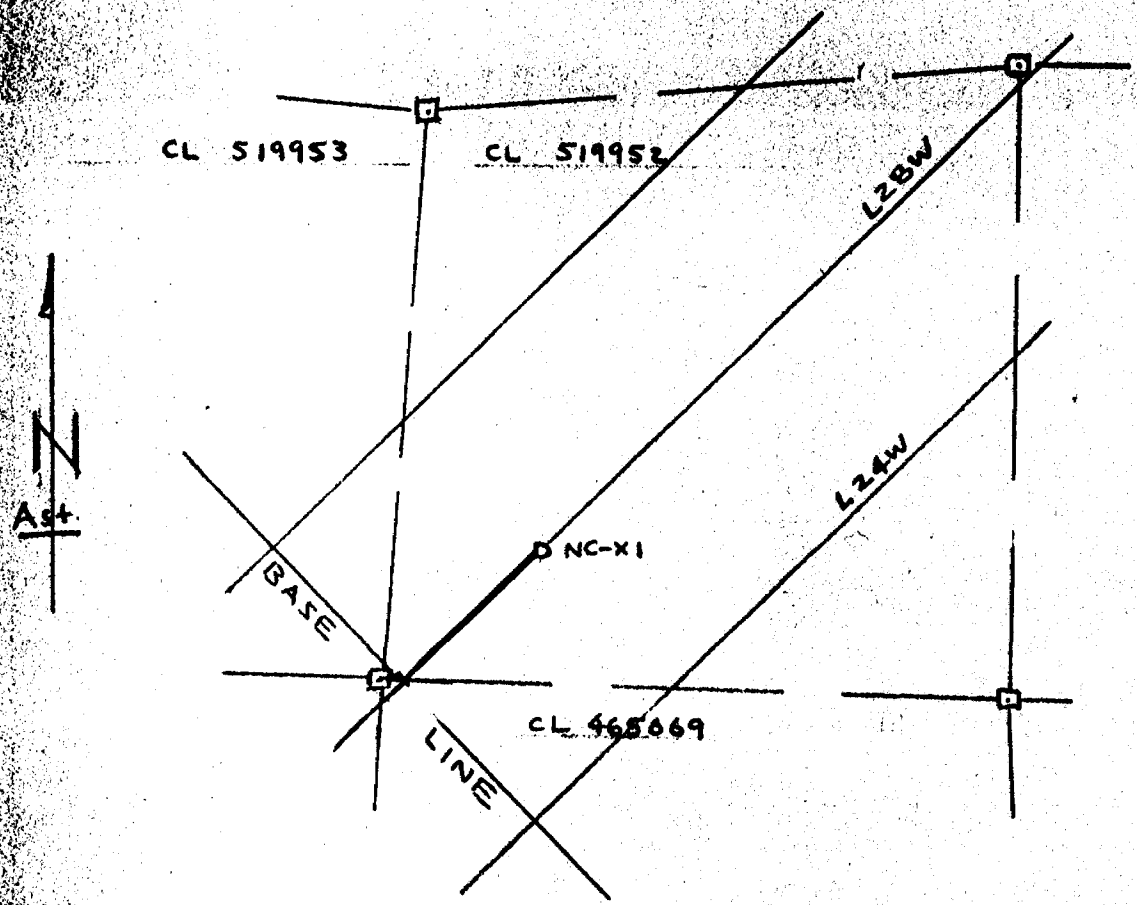
Depth	Rock type	Grain size Colour	Secondary - Structure	Texture and Structure	Alteration	Mineralization	Comments
0 -108'	Casing						
108'-182'	Basalt	Med.green	Well foliated	Amygdaloidal as described from 103'-195' in NC-24	Local patchy bleaching associated with fractures and clusters of amygdules	Tr. Py.	A few chips of hematite-limonite iron formation? At 108'.
182'-206'	Basalt			Pillowed, much less vesicular than 108'-182'			
206'-225.5'	Basalt	Dk.green f.gr. equigranular	Weakly foliated	Massive		Tr. 0.5% Py	
225.5'-374'	Basalt			As described from 108'-182'			
374'-426.7'	Basalt	Dk. green f.grained equigranular		Massive and weakly amygdaloidal zones alternate	Fine gr.dissem.carb. rhombs 382'-392' Fracture controlled bleaching locally esp. conspicuous betw. 397'-405'. Gradational into main altered zone below.	Tr. Py	
426.7 -	Altered zone		Foliated, CA 60°	426.7'-445.6' 'Massive', soft light, yellow grey to mauve, Tr.Py.	Pervasive ser.carb.	Tr.sulphide	5% late ptygmatic QCV and QCS
				445.6'-455.5' Highly deformed ser. zone with 50% QCV and T. Tr. ccp	Sericite	Tr. - 2% Py ccp in late ptygmatic veins	
				455.5'-468.5' Grey brown, very siliceous pyritic section as seen in NC-24	Quartz	2-5% v.fgr. Py overall. V.G. noted at 460.5'	
				468.5'-479.4' 'massive' as 426.7'-445.6'			

DRILL LOG

Depth	Rock type	Grain size Colour	Secondary - Structure	Texture and Structure	Alteration	Mineralization	Comments
426.7' - 578.3' cont'd..			Foliated, c.a.45°-70°, variable	429.4'-502.5' Sheared pyritic rock like previous section, however, contain 10-15% QCS. Becomes increasingly silicified downhole.	Sericite quartz	1-5% Py, highly variable	
				502.5'-534.3'. Grey-white, grey-brown silicified section as from 455.5'-468.5'	Quartz	1-3% f.gr. Py	Intense silicification, grey 'cherty' quartz, brecciated and silicified by other generations of quartz. In NC-24, this rock carries V.G.
	Altered Zone		Very well foliated c.a. 70°	534.3-545.1 Grey banded section less silicification than previous section	Sericite-quartz	1-5% v.f.gr. dissem. Py. Pyrite concentrated on foln surfaces	
				545.1-551.2 As from 502.5'-543'3'			
				551.2'-573.0' Yellow grey rock with coarse grained Py and not so silicified as 534.3'-545.1'. Narrow, 1' sections of silicified rock with milky QCV up to 6".	Sericite-carbonate	1-3% cubic pyrite up to 2mm	Coarser grained Py than most other sections in this hole.
				573.0'-578.3' Silicified, brecciated section, white cherty silica bands. Like sections from 502.5'-534.3'	Silicified	1-3% Py as f.gr. disseminations and in seams and bands along foln.	
Gradational 573.8' - 585.5'	Altered basalt	Grey-mauve	Well developed foln. at 583'-585' C.A. 60°		Sericite-carbonate and hematite	Tr.-0.5% Py cubes.	

Depth	Rock type	Grain size Colour	Secondary Structure	Texture and Structure	Alteration	Mineralization	Comments
585.5' - 656.4'	Basalt	Dk.green	Local foln. In general not highly sheared	Locally amygdaloidal	Chloritic with magnetite and hematite developed along shear planes. Carb.rhombs developed from place to place, esp.585.5'-590.0'. Reddish-hematitic bleached Pyritic ± magnetite zones, at 629.8'-631.2'.	Tr.-0.5% cubic Py. In vugs core pitted	Very magnetitic with heavy disseminations and seams and veinlets noted. QP dike with fuchsite and tm thread at 656.4' (1.1') Late QCS cuts tm thread.
656.4'-667.7'	Altered basalt	Light pink yellow pink		Amygdaloidal	Ser.-carbonate hematitic-magnetite	Tr.-2% Py	
667.7' - 687.5'	Basalt	Medium green		Wispy chlorite amygdules	Slightly chloritic	Tr.-1% Py cubes up to 2mm	
687.5' - 708.7'	Altered basalt	Yellow green, grey-mauve	C.A.50°, Well foliated to sheared compositional banding - chlorite and sericite		Sericite carbonate	1-3% disseminated Py and v.f.gr. concentrated on foln. planes Tm bands at 694.5'.	
708.7' - 760.6'	Basalt	medium to dk. green		Local shearing, C.A. 55-60°	Sericite-carbonate	Tr.overall 1-3% v.f. gr. Py in altered sections, such as 731.6'-734.1' and 759.1'-760.6'	

Depth	Rock type	Grain size Colour	Secondary - Structure	Texture and Structure	Alteration	Mineralization	Comments
760.6' - 807'	Chloritic shear zone	Dark green	Shearing, C.A. 70°		Chlorite	Tr.Pyrite	Highly deformed zone with broken and carbonated QCS Some QCS have been transposed with chlorite bands defining fold axial surfaces, esp.at 766' Most intense shearing from 760.6'-785'
END OF HOLE.							



NUINSCO RESOURCES LIMITED
TORONTO ONTARIO
PROPERTY NAME:

CAMERON LAKE

LOCATION SKETCH

CLAIM NO. 519952

D.D.H. 1"-400' NC-X1

DATE: Dec. 7/83

DRAWN BY: A.D. HUNTER, GEOLOGIST

SINGED: Douglas Hunter

DRILL LOG

NUINSCO/LOCKWOOD

Property: Cameron Lake

DDH: NCX -1

Co Ordinates: 4+50N / 28+00W

Claim: 519952

Date Hole Commenced: 17/6/83

Declination : -50°

Azimuth: 225°

Core Size: BQ

Total Depth: 607

Date Completed: 23/6/83

Logged By: L Curtis

ACID TEST				TROPARI TEST					
Depth	Inclination	Depth	Inclination	Depth	Inclination	Azimuth	Depth	Inclination	Azimuth
17	50°	607	35°		No test				
217	40°								
417	37°								

Drill Log Summary	Assay	Comments
Mineralization:		* Possible felsic tuff unit in upper portion of hole - see outcrops between 2-3N on line 28. Carbonate & sericite alteration is in fact quite common but accompanying Py-silicification is rare. ie 532.5' and 560-570'. Folding of pyrite and preservation of carbonate/felsic indicate structurally complex area

ABBREVIATIONS USED IN LOGGING:

Rock Type: MV metavolcanic; Tu tuff; QFP quartz feldspar porphyry. A altered zone; Aw weak; Am moderate; As strong. CSZ chloritic shear zone.

Texture: ms massive; gb gabbroid; vs vesicular; sp spotted; am amygdaloidal; Rc rhomb-carbonated.

Structure: Fol foliated; Sh shear; My mylonite.

Grain Size: fgr fine <1 mm; mgr medium 1-2 mm; cgr coarse >2mm.

Veining: QCV quartz-carbonate vein; CV/QV carbonate vein/quartz vein; %/5'=Estimate over 5' interval; estimate attitude; indicate color.

Alteration: Carb carbonatization; Sil silicification; Ser sericitization; Chl chlorite; Hem hematite; F fuchsite; T tourmaline. Modifier: Pvs pervasive; Df diffuse; Aw, Am, As, Rc rhomb-carbonated; Qf quartz flooding (grey).

Mineralization: Py pyrite; Cpy chalcopyrite; Au gold; Ag silver. Modifier: Dis disseminated; Pp pyrite porphyroblasts; Ps pressure shadows; cl clusters; sv selvage; V veins.

ANALYSE des CAROTTES de FORAGE

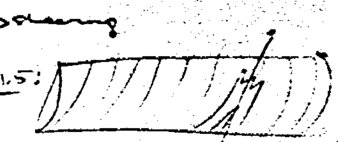
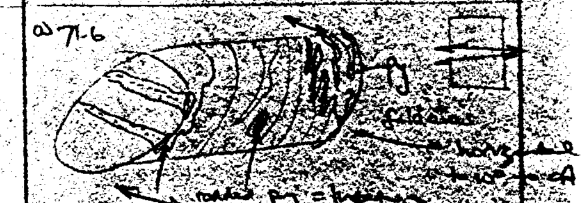
No. Echant.	de	a	Longueur pi.	Longueur m.		Cu	Zn	Ag Oz/T	Au Oz/T	Fe %	Mg %	CaO %	Na2O %	K2O %	SiO2 %	TiO2 %
73193	26.0	31.0	5		Tr											
194	31	36	5													
195	45	49	5													
196	49	54	5													
197	54	59	5													
198	59	64	5													
199	64	69	5													
200	69	74	5		.020											
201	74	79	5		Tr											
202	100	102	2													
203	115	120	5													
204	167	172	5													
205	172	177	5													
206	177	182	5													
207	182	186	4													
208	190.5	195.5	5													
209	195.5	200.5	5		Tr.											
210	251	256	5		Tr.											
211	309	314	5		Tr.											
212	561.5	565.7	5.1		Tr.											

Forage No NCX-1.

ANALYSE des CAROTTES de FORAGE

No. Echant.	de	a	Longueur pl.	Longueur m.		Cu	Zn	Ag On/T	Au On/T	Fe %	Mg %	CaO %	Na2O %	K2O %	SiO2 %	TiO2 %
73213	565.7	568.3	2.6		Tr											
214	570.0	573.5	3.5	+	Some Tr core loss?											
215	262.7	266.3	3.6		Tr											
72258	532.6	533.7	1.1		Tr											

Forage No NCX-1

Depth	Rock Type	Texture	Structure			Alteration			Mineralization		Remarks/Diagrams
	Colour	Grain Size	Fol/Shear	Veining; %/5'	Other	Carb.	Sil.	Other	Pyrite	Other	
14-26	Pl gn Mv becoming beige	mgr	55-60° @ 23'	QC 1/6'		@ 25-26	minor		—		Contact has shearing
26-36.5	Beige Alteration As	fgr	Intense S2 40° @ 32'	QC disrupting S2; Q vein c̄ dkgn chlorite	31.5 a microfold c̄ axis ~20° to core axis	mod ?	Minor	Abundant >>ser	Py I clusters → augen 1-2% 30-35' transposed		@31.5:  Fine grained - pervasive beige
37-45	Gn/Beige As	Multiple interleaved S2 zones	>S2 35° @ 43'	transposed QCV 1/1'	Several Qv generations post S2	mod ?	Minor	Rare Dkgn chlorite >>ser	Rare augen of py		Some ylow slivers of ser
45-65.7	Ylow Beige As	Some of QV rich areas disrupted	>S2 35° @ 59'	as above 63.5-64.5 QCV & fgr py vein	65.7 2" of "graphic qtz" ingrowth	Mod ?	54-54.4 grey silic. vein zone So? 30° 56.8-57 gy QChl c̄ py	>>ser both ylow interleaved with plgn	as above 63.5-64.5 2%		@54.6: 
65.7-89.1	Ylow Beige As/ or felsic m tuff ?	[illegible]	30° @ [illegible]; 40° @ 80	Multiple fgr QCV 1/05' Disrupted; QV 82-84	from 76-77 cab eyes possible felsic lapilli? ?	mod ?	Minor Qv	>>ylow beige ser ± talc sharp contact @ 80-80.3 = So ?	augen of <1% py dissem transposed & folded also rodded see Dig 84-85		@71.6 
	felsic m tuff?				76-77			78-79 80-80.3			Possible felsic tuff suggested by sharp contact @ 80.0' and cab eyes 76-77'
89.1-91.5	pl green speckled mv	m	35° @ 89.5	brQV ½"/3"	Sharp contact @ 89.1 c̄ beige As						

DDH: NCX-1

Depth	Rock Type	Texture	Structure			Alteration			Mineralization		Remarks/Diagrams
	Colour	Grain Size	Fol/Shear	Veining; %/5'	Other	Carb.	Sil.	Other	Pyrite	Other	
91.5-122	A buff As Massive	fgr	40-45° @ 102' = Sz 30° @ 112' = S1	101-102 20% 115-116' 5c%		112.5-115 spotted carb thumbs + ser.	101-102 QV	>> Ses Tak 101-102	Trace in some QV zones. <<05% some v. f dissem py.		Massive fgr possibly a fgr felsic tuff? No obvious crystal material but extremely uniform. Lower contact is sheared & sharp with plgn sheared mv. Actual contact missing
122-139	Plgn Sls carb Mgabbro	med	Emerald green stringers of MV imbricated in shear zones Fol 45° @ 123' 40° @ 128'	QCV 40% 123-128 with dk green biotite	123-128 disrupted QV. Lower contact at 45°	Mod. Some Rc 132-133	mod	green mica (fuchsite?)	Rare Pp in 123-128		Sharp lower contact c MV fgr Cu
135-137	Bleached qVA			QV 30%		mod	mod		—		Carb-silic. zone
139 - 141.7	Dkgn mv	fgr	week fol.	QV 1/2" Planes 30°		Rc			—		
141.7-144.5	Plgn carb mgabbro	med						•			
144.5 -146	MV with qV		Fol 40° @ 144'	50% QCV							
146-149.7	50% carb mgabbro & 50% dkgn mv	med	Fol 20° @ 146.4 20° @ 149.0	Rare							At 146-146.4 possible crystal tuff?
149.7 - 158.5	MV	f-aphanitic	Fol @ 155' 30°	Rare QCV 155.5-156 40%		Dissem Rc		Ser? fleeking			Brown fleeking commences @ 150 and as Rc increase towards A contact

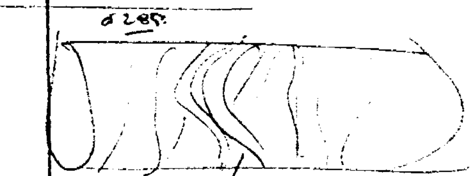
DDH: NCX-1

Depth	Rock Type	Texture	Structure			Alteration			Mineralization		Remarks/Diagrams
	Colour	Grain Size	Fol/Shear	Veining; 8/5'	Other	Carb.	Sil.	Other	Pyrite	Other	
158.5 - 164.5	Mv plgn w-mod A 162-164.5 mauve	med. ENVELOPE	@ 161' 30°	1/6" CQV	Contact is diffuse	Rc increasing coarse 1-2mm 160-161 2[illegible]-50%		Brown flecking (ser?) 10%	Absent		Gradational boundary from altered mv → A brown fleck = ser Rc
164.5 - 179.6	As beige-white	f	mod shear increasing towards base of unit. 25-30° @ 169' 45° @ 178'	30% 174-175		Pervasive	weak	Pervasive Some beige + chl on fol plane	Traces + 167.5-168		Classic Carb-sericitized altered mv but no q flooding & only rare dissem Py. Emerald green on FW where >disrupted, but not on HW
179.6 - 190.0	Br gabbro Emerald Green	m spotted	Fol > disrupted & crenulated steep to CA 45-50°	10-30% over interval QCV & CQV		?	Emerald gn ser (fuchsite?)	Bk stringers in q - very hard - not chl. upto 5% → strong blk zone @ 189.5-190 on contact.			Tourmaline in QV?? See photo. 29 Roll 1 [CL122]
190.0 - 202	As plgn beige	f	@ 194' 30°	1/2" QCV 1-2mm		mod.	Some sil zones 190-193	> ser	minor dissem < 1% Some seams of Py @ 196		
202 - 205	Am-w mauve	m ENVELOPE	Fol weak to non existent (~35° @ 202)	1/2" 1-2mm		>>Rc	weak	> ser.		Cpy on fractures at 045°	Foliation in Rc unit is lost due to growth of Rc * ← NOTE - ie postfoln ?
2[illegible]-208	Mv dark gn	f-m	@ 208 30°								

DDH: NCX-1

Depth	Rock Type	Texture	Structure			Alteration			Mineralization		Remarks/Diagrams
	Colour	Grain Size	Fol/Shear	Veining; %/5'	Other	Carb.	Sil.	Other	Pyrite	Other	
208 – 230	Mixed mv dark gn	Some gabbroic text.	@ 214' 30° @ 225' 25-30°	1/4" QC & CQV	@ 220 Hm QCV vein / 1" 60° to CA	erratically carb.	—	minor ser			
230 - 233	Emerald gn m.gabbro	Gabbroic	20°-45° strongly fol.	1/2" QV.	Lower contact disrupted & QV with blk mineral	Carb/ser 20%	minor qv.				Contact zone of QFP
233.0 – 243.4	QFP. Beige	cogr @ eyes	contact zone cataclastic – non foliated. upper contact foliated ~40°	Irregular QV		10%		ser 10% plgn in matrix & felds. planes tr. fu	trace		Lower contact discordant ~ 20° CA 
243.4 – 274.3	Bleach zone mixed mv & m. tuffs?	m–f	10–20° white - beige plgn bleach zones > sheared	1.5' of emerald gn "gabbroic" mv	Sharp contacts within 244.6 249.5, 251.0 256.8	Probably > carb & >> ser			Preferentially in Pp stage I As zones – clots & anger c long axis. // to foliation	up to 5% over some sections CL124 see assay for 251–256 & #73215	Can't tell if the finely banded mauve bleach zones are altered m tuff or m. sed ? Gradational boundaries in sheared mv with gabbroid texture suggests we could still be dealing c > altered MV. Sharp contacts are structural not lithological as seen by vein displacement, See CL123
	dk gn				256.8 gabbroid mv – 260.0	Variable up to 20%					
		Banded Tuff or sed. ??	"Banding" 10-15°	Well banded	268 - 273 See CL123						
274.3 – 281.5	QFP Beige Plgn pl Pink		weakly fol. 40°	lower contact sharp at 45°		Some carb 5%		Some ser 5%	rare euhedra		

DDH: NCX-1

Depth	Rock Type	Texture	Structure			Alteration			Mineralization		Remarks/Diagrams
	Colour	Grain Size	Fol/Shear	Veining; %/5'	Other	Carb.	Sil.	Other	Pyrite	Other	
281.5 - 285	Chlorite-Qtz Shear Zone gn-gy	f	>sheared crenulated 20°	qv 1/4"	grades into v. fine banded green rock			>chlorite ser 5%			Poss. sl. gn m. tuff ? banded ? laminated ... 123
285 - 307	Siliceous-sericite zone variable plgn-ylw/buff	f	Crenulated >Sheared 10°	Qv 1/3" transposed	some fol S1 planes wrapped around qc stringers	Variable some sections c̄ >ser are carbonated	Silicified	Sericite variable 5-20% speckled Chlorite-rich zone 298.5-300.0	trace 303-304 2-3% py in sheared ser zone		@285  ser S2 x cutting earlier S1. Extremely complex section - structurally & compositionally.
300-300.5	QFP	C∅	& weak fol.					300-300.5			
307 - 333	Siliceous - ser. zone ylw/gy	f	Strongly fol 20° Some mylonitic seams	qv transposed lower contact's gradational	from 331-333		Some variable Sil zones	sericite up to 40% in stringers defining S2 Minor chl.	traces	Section 309-314 assayed - but similar to total section	* If 309-314 assays, then all section should be assayed from 285 - 330
333 - 370	mv ± Aw	f to gabbroid	15-20° weak to mod. fol.	Numerous concordant to Xcutting QV and QCV 1/0.5"	some carb 'eyes' possible vesicles stretched. Probable pillow sv.	Variable from weak/absent to CV assoc c̄ ser.		>ser. Variable zones			Probably a pillowed mv with patchy alteration c̄ QCV.
370-376	Mv dk gn	f aphanitic			variolitic/selvages		weak	weak			as but no alteration
376 - 382	mv ± Aw		as	for	section	333 - 370					

DDH: VCX-1

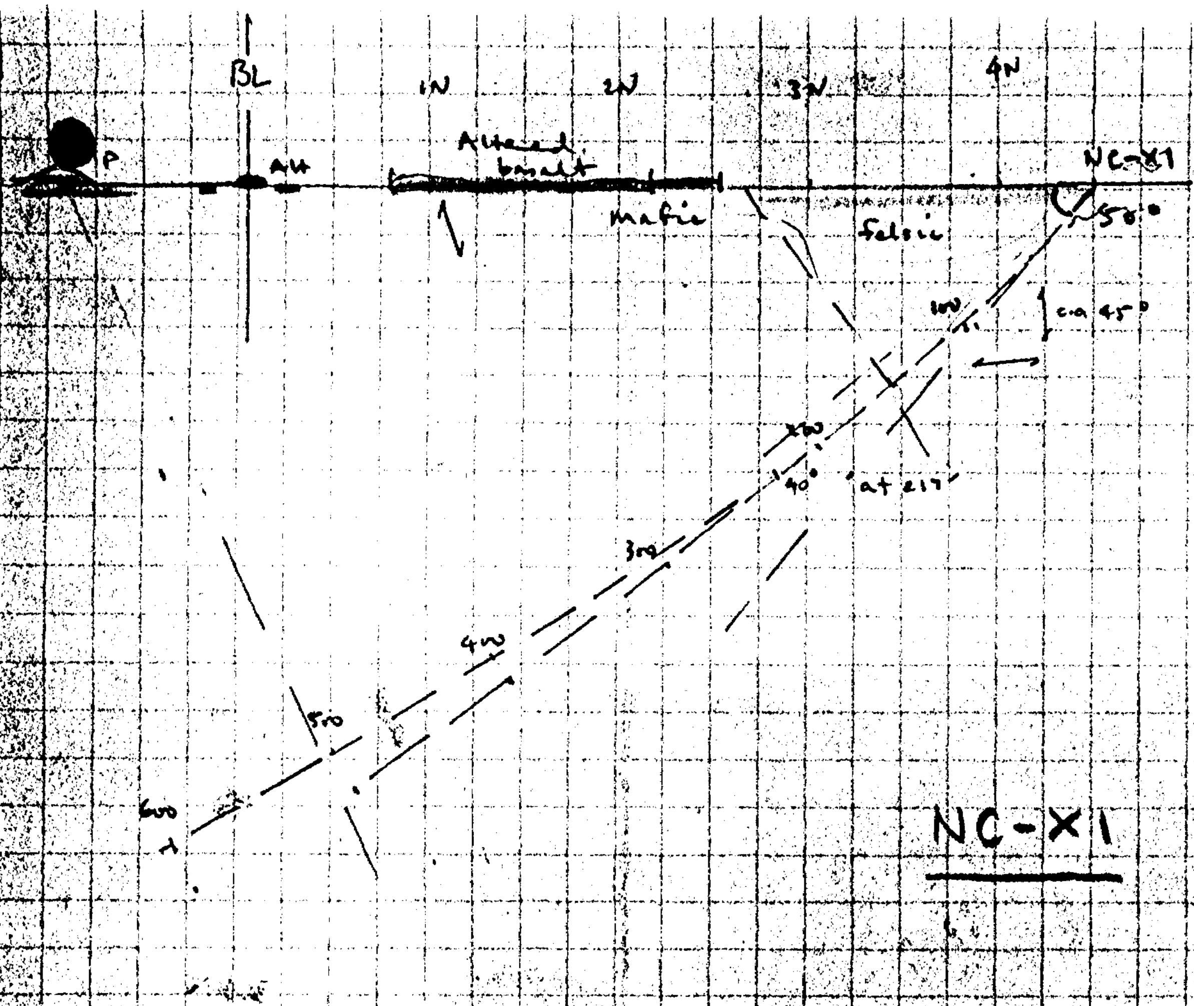
Page 5 of 7

Depth	Rock Type	Texture	Structure			Alteration			Mineralization		Remarks/Diagrams
	Colour	Grain Size	Fol/Shear	Veining; 8/5'	Other	Carb.	Sil.	Other	Pyrite	Other	
388 -401	MV dk gn	fgr	weak fol	Minor QV 1/4"	Pillow sv vesicles filled c̄ carb.	up to 5%			rare		Pillowed flow
401 -438	MV dkgn	fgr	weak	Planar QV 40°	Massive	weak altn to 501		brown spotting 401-501	rare to absent.		Massive mv. - no pillows v.
438-455.5	Spotted mv/gabbro dkgn	f-m	weak 25°	CV irregular 1/6-8"	spotting pillows at contact 438.0			Chlorite spotting (filling vesicles ?)	absent		
455.5	MV dkgn	aphanitic	weak to absent	Carb vein/ gash veins 1/cm	rare stretched vesicles or varioles?	Incipient & vein controlled carb.			rare		Pillowed & massive flows
	dkgn	white spotted unit	35° on stretched spots	a.a.		490-492.5 white spotted			absent.		
-522	dkgn	"	absent	a.a		516-522 Rc					Rc - units are generally massive & non foliated
522 - 561.5	MV ± Aw	variable fgr to gabbroid	fol 5-10° increasing towards Aw/m	carb v	vesicles stretched & carb-filled.	Incipient & diffuse carb altn 5-20% / 70%		chlorite streaking / softer	532.6-533.6 Py-ser-carb zone	Assay *	Hole flattening
561.5 - 568.5	Aw-m tuff plgn	fg				pervasive up to 90%	Some	ser 10-20% Chlorite streaks.	Dissem 1-2% 566-567 up to 5% stretched py 1-2mm	Assay #	Foliation/Shearing increases towards Aw/m zone on both FW & HW * Note grey colour in split core relative to plgn/tuff in split core

DDH: NCX-7

Depth	Rock Type	Texture	Structure			Alteration			Mineralization		Remarks/Diagrams
	Colour	Grain Size	Fol/Shear	Veining; #/5'	Other	Carb.	Sil.	Other	Pyrite	Other	
568.5 — 570	fw/lw gn tuff	Aw/	15-20°	qv ε QCV 1/½"							
570 — 573.5	Aw-m white-buff		10°			15-40%	10-20%	Ser 20% chlorite	1-2% ε 5% @ 573.0		Similar to 561-568 - more pervasive bleaching.
573.5 — 599	Aw ε Mv plgn beige		fol > disrupted at contact with Aw/mv	573.5-578 Disrupted QCV ε ser. stwrs QCCMV.				> carbonate stwrs in QCV zone			
			10-15		Veinlets filled ε carb stockwork	Diffuse irregular carb 15-20%		weak ser.			
599 — 607	Mv dk gn		weak	QV gash type 1/4	Planar	Hatchy carb.					

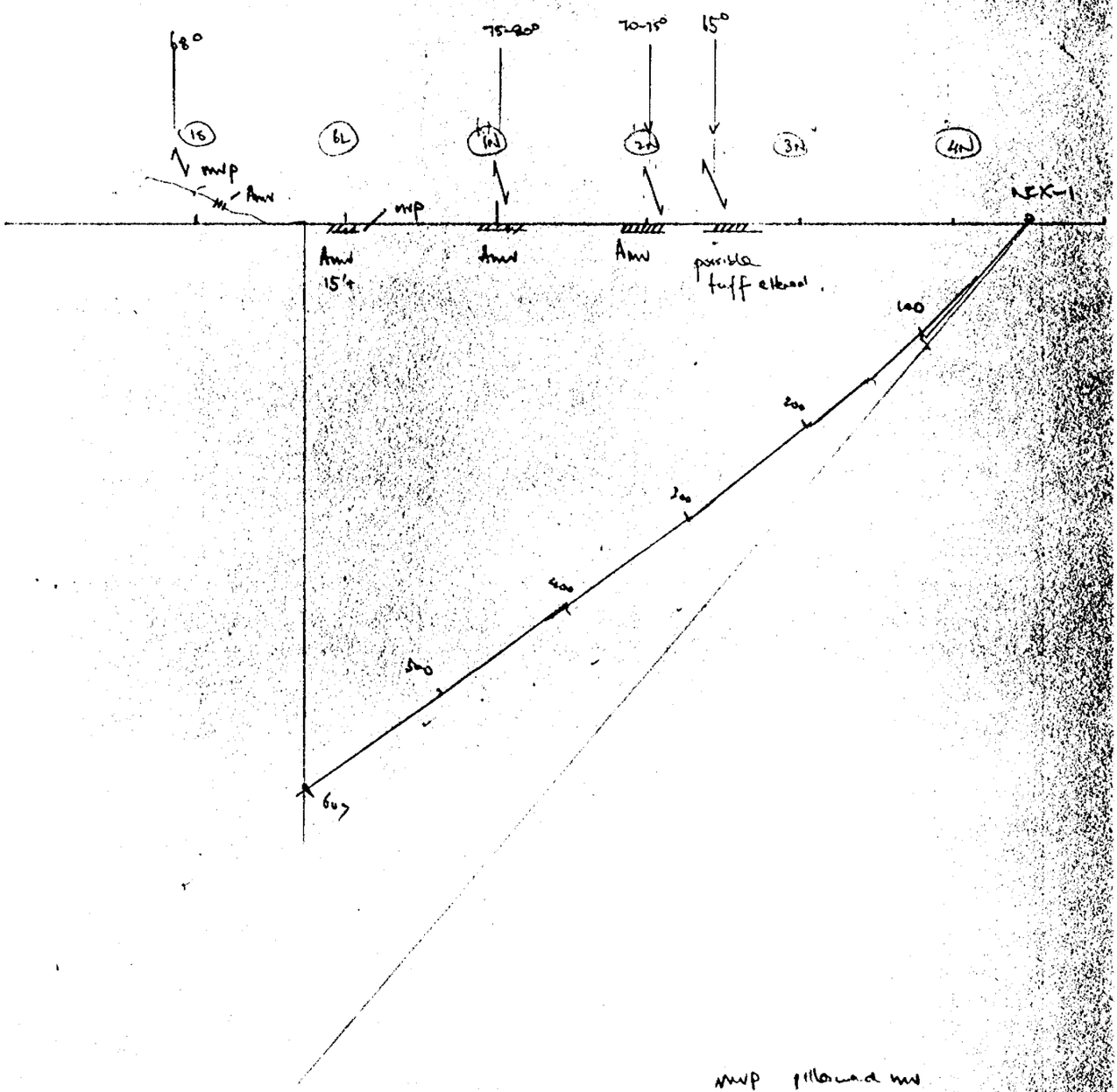
DDH: NCX-1

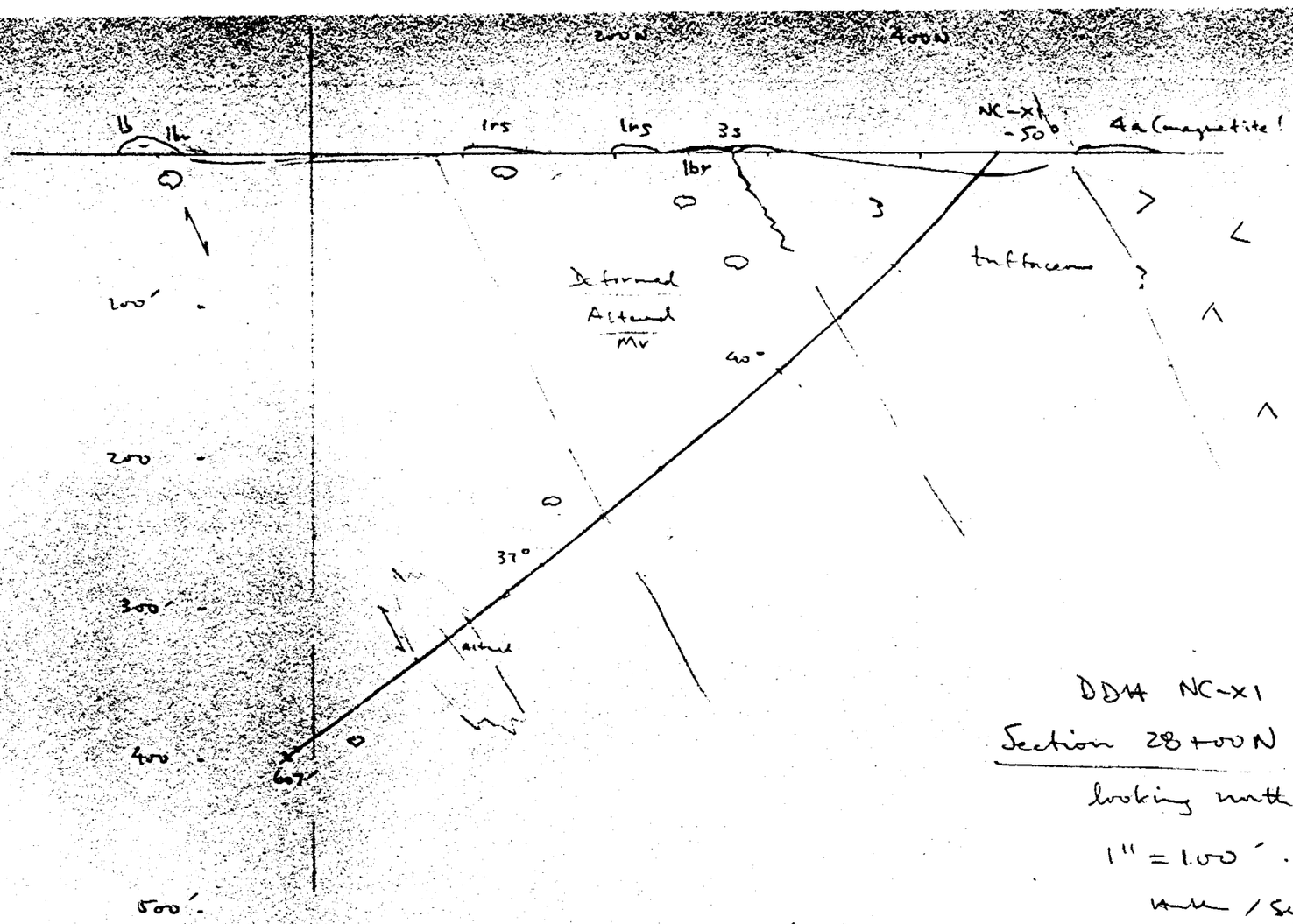

BL
1N
2N
3N
4N
P
Altered basalt
Mafic
felsic
NC-X1
50°
100
ca 45°
200
40°
300
400
500
600

NC-X1

NCX-1

Surface geology looking West





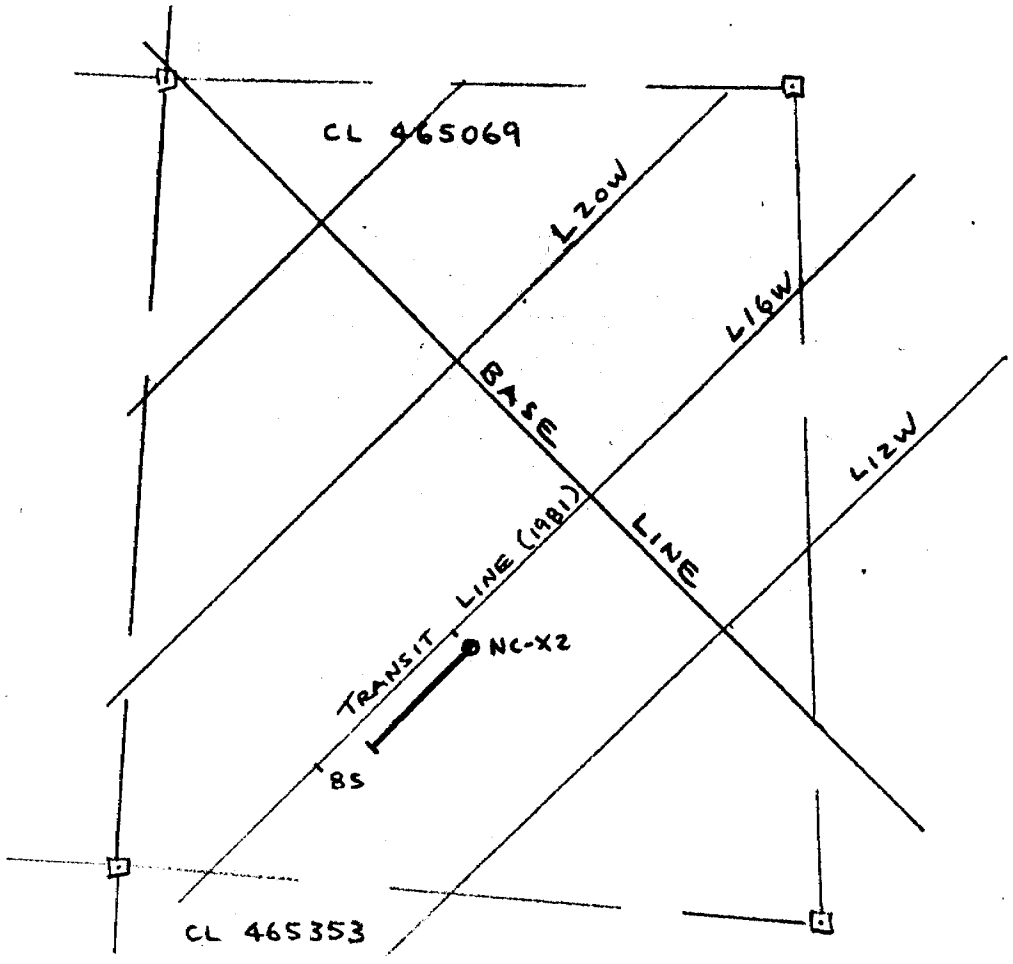
DDH NC-x1

Section 28+00N

looking northwest (315°)

1" = 100'.

/ Sept /83



NUINSCO RESOURCES LIMITED
TORONTO ONTARIO
PROPERTY NAME:

CAMERON LAKE

LOCATION SKETCH

CLAIM NO. 465069

D.D.H. NO. NC-X2

SCALE: 1"=400'

DRAWN BY: A.D. HUNTER, GEOLOGIST

SIGNED: Doug Hunter

Dec. 7/83

DRILL LOG

NUINSCO/LOCKWOOD

Property: Cameron Lake

DDH: NCX-2

T.? ?

Co Ordinates: 15+00W, 3+00S

Claim: 4[illegible]069

Declination : - 5°

Azimuth: 225

Core Size: BQ

Total Depth: 447

Date Hole Commenced: 25/6/83

Date Completed: 28/6/83

Logged By: L. Evans

ACID TEST

Depth	Inclination	Depth	Inclination
22'	50°		
217	50°		
417	48°		

TROPARI TEST

Depth	Inclination	Azimuth	Depth	Inclination	Azimuth

Drill Log Summary	Assay	Comments
Mineralization: No Samples — No assay samples taken!		ID low seems to coincide w highly altered zones in the ol tuff-coarse sequence - bleaching creamy colored intervals are interspersed with greener chloritic intervals. This part of the section may be similar to NC 33. If so, are we seeing a repetition of the felsic sequence either side of the main footwall gossan?

ABBREVIATIONS USED IN LOGGING:

Rock Type: MV metavolcanic; Tu tuff; QFP quartz feldspar porphyry.
A altered zone; Aw weak; Am moderate; As strong.
CSZ chloritic shear zone.

Texture: ms massive; gb gabbroid; vs vesicular; sp spotted;
am amygdaloidal; Rc rhomb-carbonated.

Structure: Fol foliated; Sh shear; My mylonite.

Grain Size: fgr fine <1 mm; mgr medium 1-2 mm; cgr coarse >2mm.

Veining: QCV quartz-carbonate vein; CV/QV carbonate vein/quartz vein;
%/5'=Estimate over 5' interval; estimate attitude; indicate color.

Alteration: Carb carbonatization; Sil silicification; Ser sericitization;
Chl chlorite; Hem hematite; F fuchsite; T tourmaline.
Modifier: Pvs pervasive; Df diffuse; Aw, Am, As,
Rc rhomb-carbonated; Qf quartz flooding (grey).

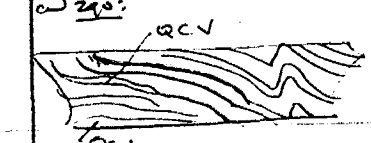
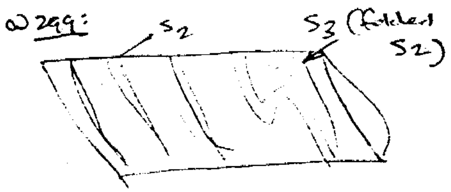
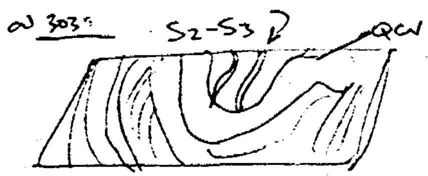
Mineralization: Py pyrite; Cpy chalcopyrite; Au gold; Ag silver.
Modifier: Dis disseminated; Pp pyrite porphyroblasts;
Ps pressure shadows; cl clusters; sv selvage; V veins.

Depth	Rock Type	Texture	Structure			Alteration			Mineralization		Remarks/Diagrams
Casing 0-18	Colour	Grain Size	Fol/Shear	Veining; %/5'	Other	Carb.	Sil.	Other	Pyrite	Other	
18 – 19	Mv dk gn	f	65°	–		some rocky Rc					
19.0 – 48.9	Crystal & lithic tuff plgn to creamy white	co–m white alt flspr in gn matrix variable grain sz	variably fol & sheared 70° SHEAR ZONE		crystals are stretched // fol	Variable from complete bleaching to partial.		Chlorite matrix	trace upto 1% av 0.2. No increase in bleached zones		Coarse-m clastic crystal tuffs well to poorly sorted; feldspars probably >cm; probably some non-volcanic detritus
48.9 – 60.8	Mv pillowed dkgn	f	Non fol		upper contact disrupted & c QV c Chl. Vesicles						
	crystal tuff	50.7 – 51.0									
	RcMv	51.0 – 59.0	Massive	QCV 1/2" discordant/gash type		>Rc 10–30%	—	Trace ser			← Rc destroys fol Chilled mv in contact c lower tuff unit
60.8 – 68.7	Altered tuff cream – pink	m–c	Fol 70°	None		None	—	>> ser. thin slivers of pink sericite-hem mix? / flowser along shear planes	trace 0.25%		Pink-creamy colour due to sericite + hematite? Preferential alt in the tuff relative to mv
68.7 – 72	Mixed MV and crystal tuff dkgn to red-gn & creamy	f → co. Variable	70°	Rare CQV & CV			—	Hematite alt 10% [illegible] ser 10–20%	—		Some primary lithic clasts & qeyes.

DDH: NCX-2

Depth	Rock Type	Texture	Structure			Alteration			Mineralization		Remarks/Diagrams
	Colour	Grain Size	Fol/Shear	Veining; 8/5'	Other	Carb.	Sil.	Other	Pyrite	Other	
72-89.5	cream white to pl pink Alked lapilli cryptal tuff	m-cb	SHEAR ZONE 70° Vanable - some sheared zones	very few QV some (hygmatic) QCV. @ 34'		probably 10%	—	pl pink sericite + hm	—		Shear zone correlated ō > alteration.
89.5 - 103	Crystal tuff pl gn dk gn	f-cb	* Rarely foliated.	Rare	—	Carbonate crystals particularly in the cb xstal unit @ 97.6 - 101.4 (*) Some Re which - Hiterite		chlorite dk gn trace katona sea 98'	—		upper contact has hematite - sericite alth V.cg unit 97.6-101.4 is > carbonated but not sericitized
103 - 141	Mv DK gn	fgr aphanitic	Variable fol. defined by chlorite	CQV ECV gash 1/2"		trace.		Minor ser	traces up to 1% eg 128-129		
	Minor crystal tuff lenses	122-123 119.5-120.2	Non-fol.			20-30%		> chlorite			
141 -	Gabbro dk gn	gabbroid massive f-mgr	Non fol	Rare QV 1/6"	Contact has minor shearing @ 30°	1-5%		white-buff speckling increases from 140'	—		Magnetic weak to mod variable
197.3			Foliation increases from 182	C vein EQC increasing? c̄ foliation 1/2"							Lower contact is sheared c̄ tr Py ; 70°
197.3 - [illegible]	Mv dk gn	fgr	Fol 70°	QCV ECV gash	Some vesicular siliceous unit 204-206 mauve gy		Siliceous mv (dacitic?) 204-206	← magnetic	Pyrite on lower contact - otherwise rare		Lower contact abrupt @ 70°

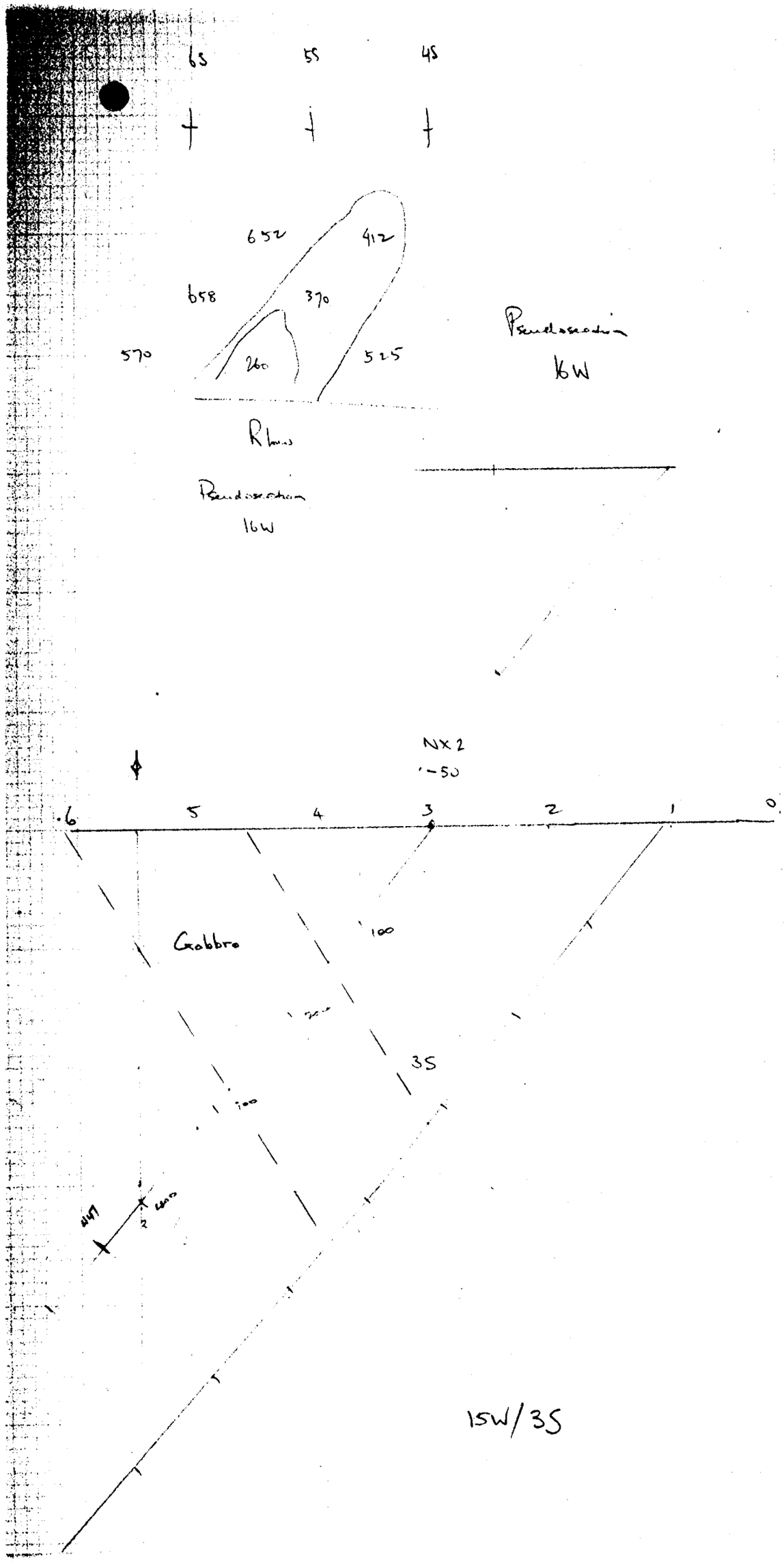
DDH:.............

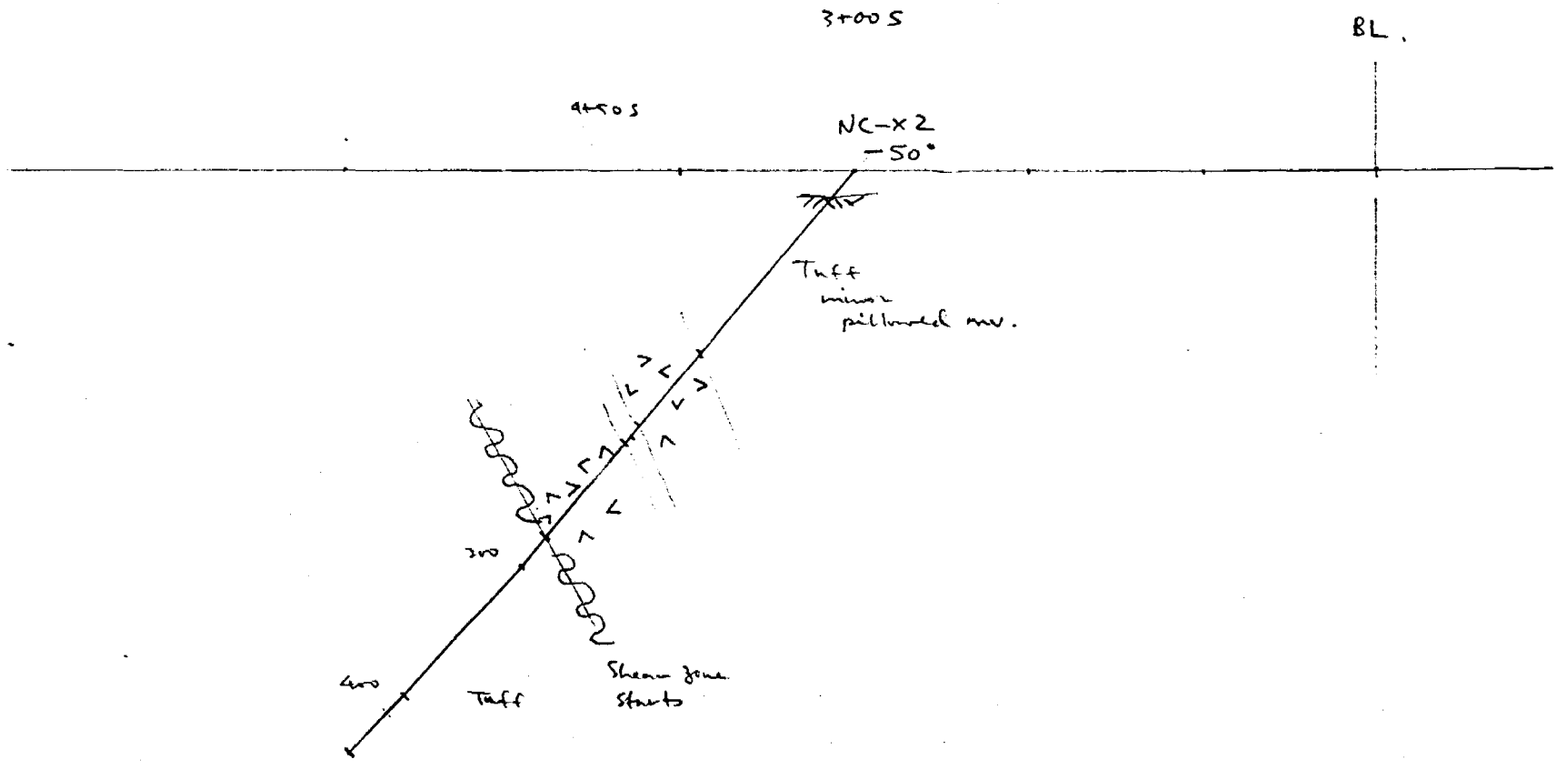
Depth	Rock Type / Colour	Texture / Grain Size	Structure: Fol/Shear	Structure: Veining; #/5'	Structure: Other	Alteration: Carb.	Alteration: Sil.	Alteration: Other	Mineralization: Pyrite	Mineralization: Other	Remarks/Diagrams
266 – 277	Massive Gabbro dk gn	m	Lower area sheared 275-277	QC & CQV increasing from 240' 1/6"→1/1" Most 45° to CA	Bl qtz-c v. 278-279.5 No carb halos.	5-10% increasing to 277; Incipient carbonate gradually	increases towards shear zone	Some ser speckling >chloritic	trace No py c̄ veins		Weakly magnetic
277 –	Amv	f-m	SHEAR ZONE Commences	QCV ± fuchsite ± hard blk mineral 277-278.5 70%	Mo	10-50%		Note fuchsite Ser speckling			Non magnetic = altn zone. What the hell is this hard black mineral in QCV.
285 – 287 and 291	Crystal tuff 291.2 C6		Non fol. except 283-284.					5%			Foliation increasing towards shear zone
295.6			Tran folds 60-90°	<—	—> Marked warping of fol. at 288-290	Increasing → 50%		Ser increasing to slivers in fol. 290-295			@ 290: 
295.6	As Green-grey to pl gn		60° ser defines mylonitic planes	1/2" 2 sone type QCV Ptygmatic V6	late QCV xcut S2 but evidence of xcutting S3 is ambiguous	10-20%	Absent	Ser >50% tr chlorite	Trace 0.2%		@ 299:  @ 303: 
	Am 307.5 –312 pl gn	/									

DDH:.............

Depth	Rock Type	Texture	Structure			Alteration			Mineralization		Remarks/Diagrams
	Colour	Grain Size	Fol/Shear	Veining; %/5'	Other	Carb.	Sil.	Other	Pyrite	Other	
312 – 314	Am	Altered mafic tuff?	60 strong						–		
314 – 324.2	Aw & AMv dkgn	Mixed tuff / Mafic		–				flow streaks of ser towards bottom 322-324	–		Contains < of carbonate with so replacing feldspar – possible stretched xstal tuff
324.2 – 347.2	As (tuff) pl beige yellow	Possible smeared pyroclastic frags. 324-324.2 thin mv.	Shear zone strong 60°	transposed QV	local Bk min. in streaks	Av 30-50%	–	ser 10-40% some chlorite	trace	some black lithic? frags.	Original rock could in part be tuff? – pyroclastic ⇒ frané as in 314-324 but now > sericitized.
347.2 – 350.7	Stretched lapilli tuff pl gn – dkgn	Cgr	Fol. 70°	–	Includes a cgr crystal tuff section 348.8 –	10-20%		Chloritic ?	–		
350.7 – 404.6	lapilli – lithic? tuff pl gn to creamy mauve	Possible cgr frame or stretched volcanic frags.	weak 70°	Rare carb V 1/6"	Includes a cgr gn xstal tuff c̄ lithic frags. 362.7 – 367.1	10-20%		Ser is > variable chlorite ser ratio changes transitionally	–		Alteration controlled by lithology in part. See EL128
404.6 – 408.1	fgr tuff sed or tuff pl gn	fgr	weak could be modified S_0	–	upper & lower contacts sharp @ 65°	10-20%		chloritic ?	–		Tuff poorly sorted, variable clast component
408.1 – EOH	pl gn lapilli tuff	Variable lapilli & pyroclasts.	70°	Rare cQV	Very poorly sorted l. tuff → agglom 442.5 – 444.0 & 446.0 – 446.8 fgr mv? or tuff				traces 442-443		Sorting in places suggests agglom. lack of primary bedding & grading.

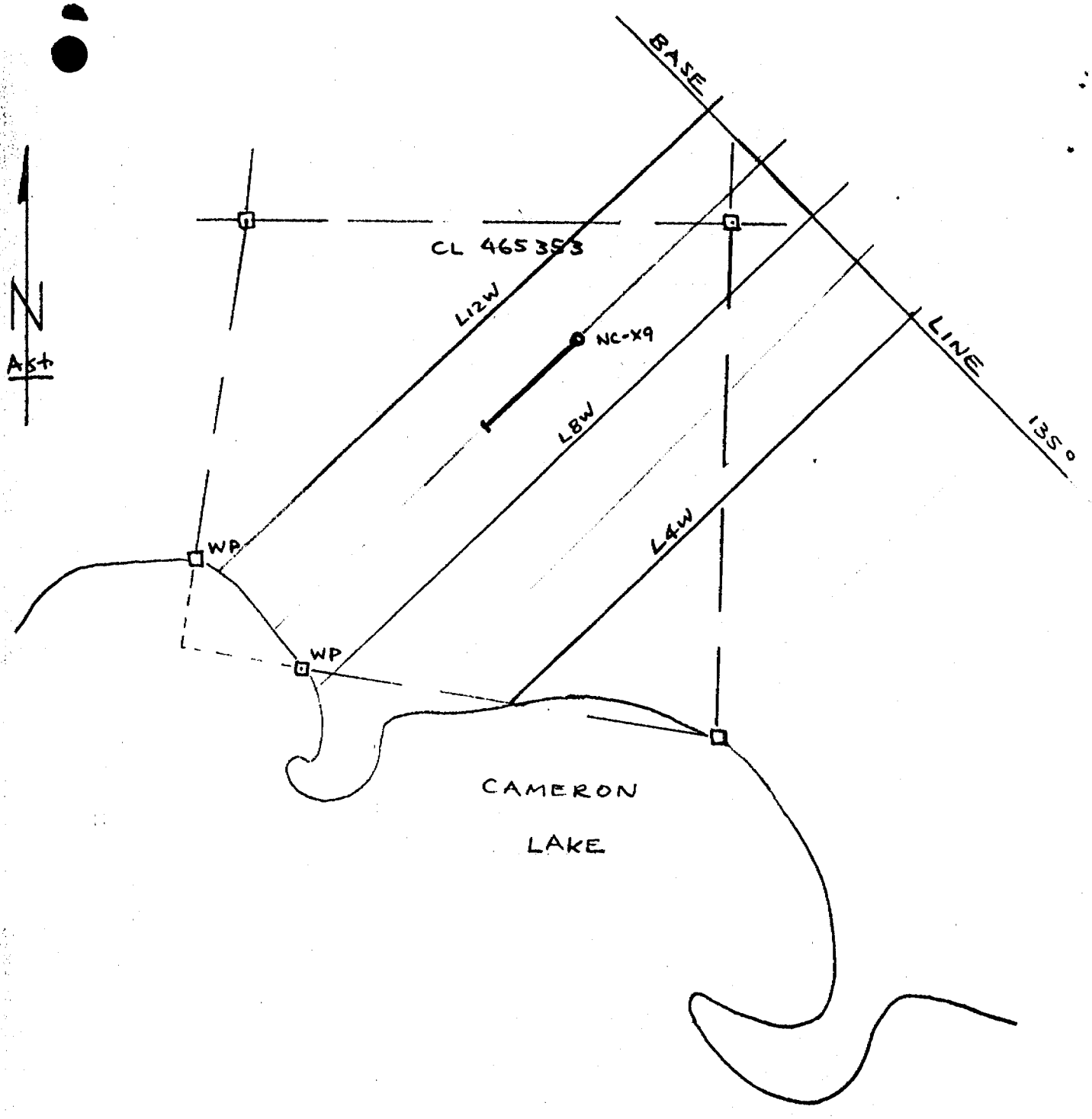
DDH: NCx-2


65
55
45
652
412
658
370
570
260
525
Pseudosection
16W
Pseudosection
16W
NX2
-50
6
5
4
3
2
1
0
Gabbro
100
35
15W/35



NC-X2

SECTION 15+00W



NUINSCO RESOURCES LIMITED
TORONTO ONTARIO
PROPERTY NAME:

CAMERON LAKE

LOCATION SKETCH
CLAIM NO. 465353
D.D.H. NO. NC-X9
SCALE: 1"-400'
DATE: Dec. 7/83
DRAWN BY: A.D. HUNTER, GEOLOGIST
SIGNED: [signature]

DRILL LOG

NUINSCO/LOCKWOOD

Property: Cameron Lake

DDH: NC-X9

Co Ordinates: Highway 7+00S

Claim: 465353

Date Hole Commenced: 24/09/83

Declination : 5E

Azimuth:

Inclination -50°

Core Size: BQ

Total Depth: 487

Date Completed:

Logged By: R. Jones

ACID TEST

Depth	Inclination	Depth	Inclination
97	50°	467	44.5
127	50°		
287	48°		
387	47°		

TROPARI TEST

Depth	Inclination	Azimuth	Depth	Inclination	Azimuth

Drill Log Summary	Assay	Comments
Mineralization:		80' of overburden Drilled on 1½ brandy

ABBREVIATIONS USED IN LOGGING:

Rock Type: MV metavolcanic; lu tuff; QFP quartz feldspar porphyry.
A altered zone; Aw weak; Am moderate; As strong.
CSZ chloritic shear zone.

Texture: ms massive; gb gabbroid; vs vesicular; sp spotted;
am amygdaloidal; Rc rhomb-carbonated.

Structure: Fol foliated; Sh shear; My mylonite.

Grain Size: fgr fine < 1 mm; mgr medium 1-2 mm; cgr coarse > 2mm.

Veining: QCV quartz-carbonate vein; CV/QV carbonate vein/quartz vein;
%/5'=Estimate over 5' interval; estimate attitude; indicate color.

Alteration: Carb carbonatization; Sil silicification; Ser sericitization;
Chl chlorite; Hem hematite; F fuchsite; T tourmaline.
Modifier: Pvs pervasive; Df diffuse; Aw, Am, As,
Rc rhomb-carbonated; Qf quartz flooding (grey).

Mineralization: Py pyrite; Cpy chalcopyrite; Au gold; Ag silver.
Modifier: Dis disseminated; Pp pyrite porphyroblasts;
Ps pressure shadows; cl clusters; sv selvage; V veins.

NC-X9

ANALYSE des CAROTTES de FORAGE

SAMPLE #	FROM	TO	Length pi.	Length m.	Cu	Zn	Ag On/T	Au On/T	Fe %	Mg %	CaO %	Na2O %	K2O %	SiO2 %	TiO2 %
74557	261.3	265.8	4.	7				.062							
74558	265.8	270.8	5.	0				T1							
74559	270.8	275.8	5,	0				T1							
74560	275.5	280.1	4.	6				T1							
74561	280.1	283.4	3.	3				T1							
74562	241.2	243.8	2.	6				T1.							

NUINSCO RESOURCES LIMITED

DRILL LOG

Depth	Rock type	Grain size Colour	Secondary Structure	Texture and Structure	Alteration	Mineralization	Comments
0 - 82	casing						
82 - 85.5	Probably boulders						Sections comprised of rubble
85.5 - 150.7	Gabbro	mg - cg dk green	Generally foliation weak or indistinct Sections with mod. foliation Foliation becomes much more intense from 144 downhole (with increasing proximity to fault zone) 149 - 58°	Mg to cg (grain size up to 4mm although generally between 1 + 2mm) it generally has a massive texture with indistinct foliation, however between 92-101 the unit has a distinct foliation. The unit is transected by numerous carbonate veins and rare qcv and cv. The unit is pitted between 87-142 Immediately above the fault zone the unit has been intensely invaded by qcv (white carb + white qtz) up to 4cm wide	Sericite flecking (grains/plates up to 3mm) occurs throughout the unit however the grain size and intensity varies to some extent Minor epidote alt'n associated with qcv From 144 downhole the unit becomes increasingly more silicified (carb alt'n?) with increasing proximity to the fault zone below.	Trace py over most of unit. From 141-143 py content is 1-2%, as disseminated cubes and aggregates. Minor concentration of py aggregates in qcv immediately above fault zone.	Non - mag.
150.7 - 153.2	Fault zone	fg. Rust with thin dk green layers	strongly foliated @ 152 - 71° to c.a. 152.5 - 66°	Highly foliated and fractured, hematite stained wet Minor veining (some pink carb) terminated calcite vs. Open space filling)	Hematite (?) staining of variable intensity (?	Non - observed	

NUINSCO RESOURCES LIMITED

DRILL LOG

Depth	Rock type	Grain size Colour	Secondary Structure	Texture and Structure	Alteration	Mineralization	Comments
153.2 - 198.1	Gabbro (weakly altered in places)	fg - cg dk green grey-green	weak to strong foliation @ 166 - 50° to CA 172 - 61° 186 - 52 In places the foliation apparently wraps around QCV's	Massive gabbro, grain size varies throughout the unit from fg to grains in excess of 3-4mm (fsp). Between 153.2 and 174 the unit is only moderately transected by QCV (ie 2-4 per foot). However below 174 the unit is intersected by numerous QCV (in places veins constitute 30-40% of a five foot section of core). These veins vary from 2mm to 16cm wide) These veins transect the core from 90 - 0° (to: ptygmatic qtz-carb veins), occasionally the smaller veins parallel the foliation	Pervasive ser. "fleeking" grains up to 3-4mm (3% of unit) Bleaching associated with veining consists of carb-ser altn.	Trace Py in groundmass away from veins. In close proximity to veins py content increases up to 1%, it occurs as individual subhedral to euhedral grains up to 2mm	
198.1 - 199.7	Highly weathered fault zone	fg Rust brown dk green	strong parallel alignment of phyllosilicates (chl), however extensive qtz veining has destroyed previous structure.	Intensely weathered and oxidized unit consisting of limonite, chlorite (as a matrix to limonite) and qtz veins. Many of the qtz veins contain oxidized material.	Oxide staining	No sulphide observed	

NUINSCO RESOURCES LIMITED

DRILL LOG

Depth	Rock type	Grain size Colour	Secondary - Structure	Texture and Structure	Alteration	Mineralization	Comments
199.7 - 261.3	Gabbro (weak to mod. altn)	mg to cg dk green to green grey	mod to strong foliation @ 197 - 62 to CA 227 - 42° 235 - 62° 246 - 58° 251 - 59°	Massive gabbro variably altered and transected by numerous veins throughout unit but increasing somewhat in occurrence with depth. Vein orientation is highly variable (veins subparallel to the core axis to almost 90° to it (many veins, particularly thin cv and Qcv parallel foliation). Vein thickness varies from 2mm - 6cm. Selvages of cqv often contain a dark mineral (chlorite?). The veins are often disrupted or discontinuous. Between 241.5 - 257 the unit is transected by numerous qcv containing a hard black mineral (tourmaline) - the veins containing the greatest abundance of tourmaline occur between 241.2 - 249.8	Ser "fleeking" throughout the length of the unit (approximately 1-2%, grain size up to 3-4mm). Pervasive bleaching throughout unit (carb altn)	Generally trace py From 259.5 - 261.5 approx. 0.5% py.	Non-mag Veining becomes very intense between 257 - 261.5. Sample 74562 taken from tourmaline filled veins between 241.2 - 249.8
261.3 - 283.4	MV mod to strong altn	aphanitic to fg dk green, grey, to cream	foliation destroyed by qv and Qcv in places. Remainder of unit has mod foliation @ 264 - 72° to c.A 274 - 67°	Generally aphanitic flow unit, a few qtz-carb filled amygdules persevere at 263' and 274' Intense veining has resulted in the bleaching of the unit particularly in the central portion of the unit Approximately 20% of this unit is composed of veins, (Qcv, cqv) often associated with those veins are dark minerals, both hard and soft (tourmaline and chlorite?), sericite also commonly envelopes veins. At 261-262, 269.4 - 268.6, 278.2 - 278.7, 285.5 - 288.5 Qcv is very intense and the groundmass has a fragmented appearance, considerable carb-ser altn is associated with these sections	Consists of carb-ser altn associated with qcv (ie haloes surrounding the veins). Alteration is pervasive but variable in intensity	py content approx. 1-5%. It occurs as massive bands (up to 1cm), as bands containing 20-60% py and as thin elongate patches with qtz and carb.	Non-mag

NUINSCO RESOURCES LIMITED

DRILL LOG

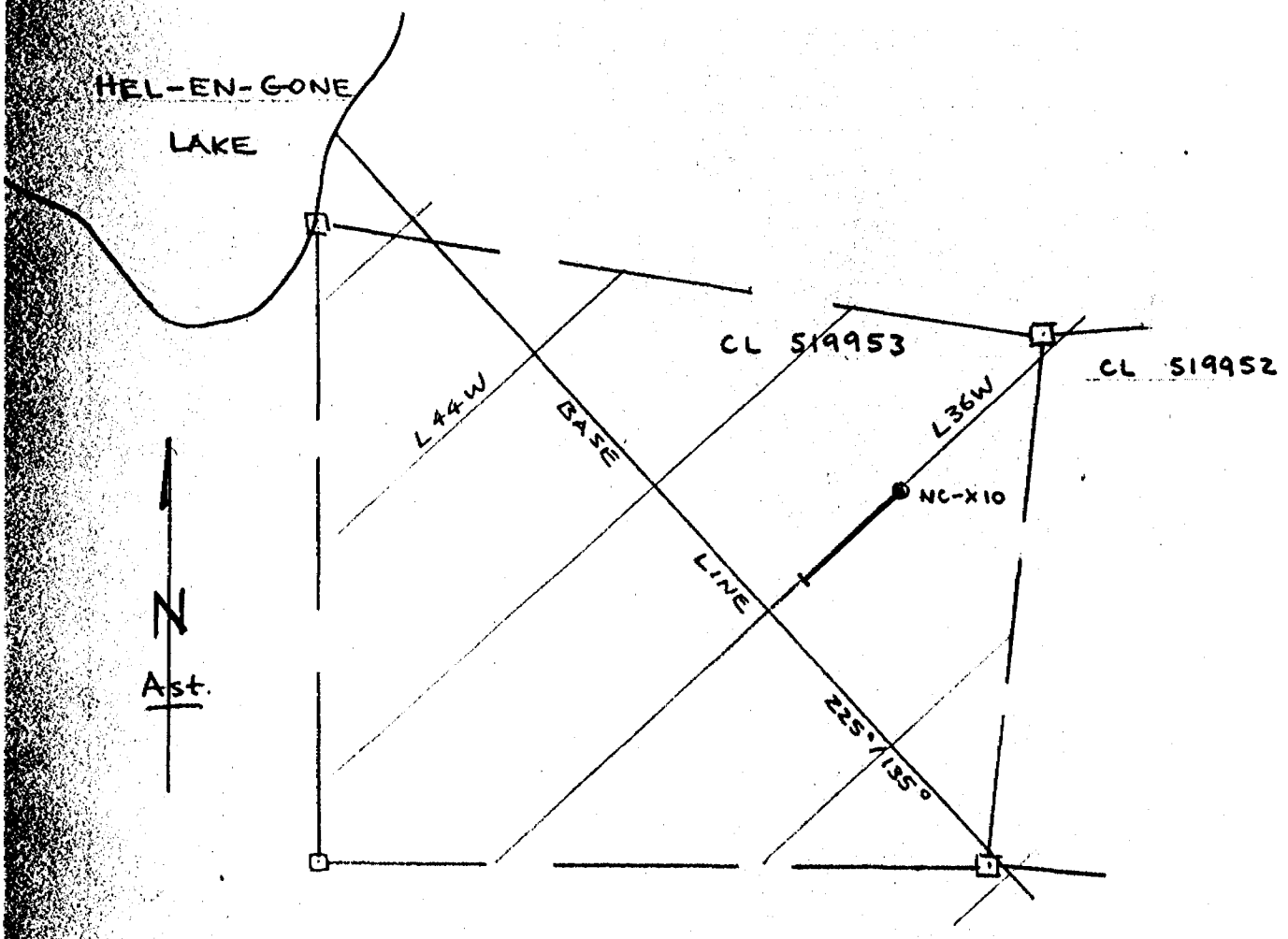
Depth	Rock type	Grain size Colour	Secondary Structure	Texture and Structure	Alteration	Mineralization	Comments
283.4 - 295	Fragmental	fg matrix with lapilli sized frags. Grey-green pale green tan-grey	Mod foliation (S) @ 292 - 52° to C.A. 294 - 62°	From 283.5 - 291 this unit consists of unsorted lapilli tuff, lithic fragments up to 1cm constitute approximately 60-70% of the unit (it is clast supported). Downhole this unit grades into a finer grained fragmental unit in which fragments up to 4-5mm constitute 20% of the unit, it continues to 292' where it grades into a vfg ash unit (progression from lapilli tuff → vfg ash tuff indicates stratigraphic tops downhole). Pyrite clots parallel to foliation and with pressure shadows. Fragments both mafic and siliceous	Ser + flecking throughout the unit (2.5-12%). Silicification of ash section, apparently associated with qtz veining. chlorite spotting at 293.	1-5% py occurring in bands up to 1cm wide and as clots 1-2cm in diameter. Some clots are elongate parallel to foliation.	Possible stratigraphic tops indicated in this section
295 - 387	Mv amygdaloidal	schistic to fg med green, green grey, tan-cream	med to strong foliation @ 296 - 69° to C.A. 316 - 68° 339 - 68°	Massive amygdaloidal flow. Amygdules from 2mm - 1cm, composed of qtz-carb, qtz and chlorite. QeV, CV are common, many are disrupted (boudinaged?), alteration haloes rarely occur however contact alt'n is almost pervasive. Alt'n surrounding amygdules is common. From 350 - 353 the unit is composed of possible hyaloclastite. The remainder of the unit from 353 - 387 is composed of grey-green amygdaloidal flow (qtz filled)	Almost pervasive carb-ser alt'n but of variable intensity from v. weak to strong to 350'. Intensity of alt'n decreases towards the downhole contact of this unit	Py trace.	

NUINSCO RESOURCES LIMITED

DRILL LOG

Depth	Rock type	Grain size Colour	Secondary Structure	Texture and Structure	Alteration	Mineralization	Comments
387 –	Fragmental Ash tuff, lapilli tuff	fg - mgg with frag-ments up to 3cm. Grey + green grey - green	Foliation indistinct to moderate @ 448 - 70° to c.A. @ 462 - 72°	Massive featureless ash tuff constitutes the bulk of this unit (ie from 387-447.5). It is interbedded with v.f.g. ash tuff. From 447.5-470 the unit is composed of lapilli tuff	Unaltered throughout most of length. From 446-470 portions of the unit are bleached (carb alt'n ?)	Trace py.	Non-mag

Hole Ends at 487



NUINSCO RESOURCES LIMITED
TORONTO ONTARIO
PROPERTY NAME:

CAMERON LAKE

LOCATION SKETCH

CLAIM NO. 519953

D.D.H. NO. NC-X10

SCALE: 1"=400'

DATE: Dec. 7/83

DRAWN BY: A.D. HUNTER, GEOLOGIST

SIGNED: Doug Hunter

DRILL LOG

NUINSCO/LOCKWOOD

Property: Cameron Lake

DDH: NCX - 10

Co Ordinates: L36+00W 4+00N

Claim: 519953

Date Hole Commenced: 28/10/83

Declination : 5°E

Azimuth: 225°

Inclination -45°

Core Size: BQ

Total Depth: 527.

Date Completed: 30/10/83

Logged By: T Jones

D Hamilton

ACID TEST				TROPARI TEST					
Depth	Inclination	Depth	Inclination	Depth	Inclination	Azimuth	Depth	Inclination	Azimuth
10	46°								
117	44° Unreal								
217	43°								
317	42°								
417	41°								
527	39°								

Drill Log Summary	Assay	Comments
Mineralization: No assay samples !		Little alt'n - no alt'n + shear zone (± carb-ser-sil - ± Py)

ABBREVIATIONS USED IN LOGGING:

Rock Type: MV metavolcanic; Tu tuff; QFP quartz feldspar porphyry.
A altered zone; Aw weak; Am moderate; As strong.
CSZ chloritic shear zone.

Texture: ms massive; gb gabbroid; vs vesicular; sp spotted;
am amygdaloidal; Rc rhomb-carbonated.

Structure: Fol foliated; Sh shear; My mylonite.

Grain Size: fgr fine < 1 mm; mgr medium 1-2 mm; cgr coarse > 2mm.

Veining: QCV quartz-carbonate vein; CV/QV carbonate vein/quartz vein;
%/5'=Estimate over 5' interval; estimate attitude; indicate color.

Alteration: Carb carbonatization; Sil silicification; Ser sericitization;
Chl chlorite; Hem hematite; F fuchsite; T tourmaline.
Modifier: Pvs pervasive; Df diffuse; Aw, Am, As,
Rc rhomb-carbonated; Qf quartz flooding (grey).

Mineralization: Py pyrite; Cpy chalcopyrite; Au gold; Ag silver.
Modifier: Dis disseminated; Pp pyrite porphyroblasts;
Ps pressure shadows; cl clusters; sv selvage; V veins.

NUINSCO RESOURCES LIMITED
DRILL LOG

DEPTH	ROCK TYPE	GRAIN SIZE COLOUR	SECONDARY STRUCTURE	TEXTURE AND STRUCTURE	ALTERATION	MINERALIZATION	COMMENTS
0 - 10	Casing						
10 - 19.1	Qtz - porphyry	f.g. groundmass c.g. phenocrysts grey - green, black	Foliation indistinct	Massive mafic qtz porphyry. Phenocrysts up to 4.5mm in f.g. matrix containing chlorite, carbonate + sericite? Small pressure shadows surround phenocrysts.		0.5% Py as f.g. disseminated grains	
19.1 - 27.5	Mv amygdaloidal	f.g. dk green	V. well defined foliation @ 23° - 56° to CA	Massive Mv with 2% qtz - carb filled amygdules often irregular in shape and up to 1cm in size. Carbonate veining constitutes 5% of the unit	Very thin altn halos surround some cv (< 5%)	Py as v.f. disseminated grains and contained in some of the amygdules	
27.5 - 32.4	Qtz porphyry	f.g. ground mass c.g. phenocrysts pink - grey - green	Foliation well defined @ 25° - 30° to CA	Mafic qtz porphyry. Qtz phenocrysts 4.5mm in f.g. chlorite-rich matrix. Phenocrysts constitute up to 30% of the unit. Sharp, intrusive upper + lower contact	Hematite staining causing pink hue?	0.5% Py as v.f.g disseminated grains	
32.4 - 41.6	Mv	f.g dk green	V. well defined foliation @ 38° - 57° to CA	V.f.g. massive from 40 - 41.6 the unit is intensely fractured and veined. (qcv, cv)	1-2% mg sericite flooding throughout unit.	Trace Py	
41.6 - 44.8	Qtz porphyry	f.g groundmass c.g phenocryst dk grey	weakly defined foliation	Sharp lower contact marked by high sericite concentration, upper contact distinct but sericite concentration is absent. The lower half of the unit is intensely veined (qcv) by composed of qtz, sericite and chlorite. The upper 1/2 of the unit is less [illegible]	Sericitization + chloritization Sericite "flooding" 1%	< 0.5% Py as f.g. disseminated grains	

NUINSCO RESOURCES LIMITED
DRILL LOG

DEPTH	ROCK TYPE	GRAIN SIZE COLOUR	SECONDARY STRUCTURE	TEXTURE AND STRUCTURE	ALTERATION	MINERALIZATION	COMMENTS
44.8 - 50.6	vfg ash tuff	vfg grey - green	V. well defined foliation @ 42° - 54° to CA	vfg massive unit. Possible bedding at 50°. High sericite content.	Sericitization	Trace Py	
50.6 - 89.5	chloritic ash tuff	fg dk green	often indistinct foliation @ 81 - 56° to CA	vfg massive unbedded, ungraded unit. Transected by numerous CV. QV and QCV, in places veining is intense (at 61-63', 82 and 88.5) and the rock has a brecciated appearance. Contacts sharp.	fg-cg ser "flecking" throughout the unit 2%. Minor epidote alt'n associated with cv + QCV	Generally ≤ 0.5% Py as fg aggregates elongate parallel to foliation. Between 61.6 - 62.8 fg-cg py in bands and as disseminated grains constitute 5-7% of the unit	
89.5 - 118.8	Ash tuff, un generally very siliceous	vfg grey	Distinct foliation @ 4 - 58° to CA	vfg ash tuff, generally massive. Between 102.5 - 111 the unit becomes a fg lithic ash tuff (with lithic fragments up to 5mm constituting up to 10% of the unit). Transected by thin QV + QCV. At 122 intense veining ("flooding") has occurred and the unit has a brecciated appearance.	Minor bleaching associated with qv. and with pyrite aggregates	Py occurs as fine grains in elongate aggregates 2-3cm in size and occasionally in thin bands. Approximately 0.5%	Very schistose in places So - 56° at 92'
118.8 - 135	Ash tuff chloritic	vfg dk green	Distinct foliation @ 134 - 64° to CA	Massive chloritic ash tuff	fg ser "flecking" throughout the unit 2% + minor bleaching associated with qcv + chlorite veins.	Py approximately 0.5%	

NUINSCO RESOURCES LIMITED
DRILL LOG

DEPTH	ROCK TYPE	GRAIN SIZE COLOUR	SECONDARY STRUCTURE	TEXTURE AND STRUCTURE	ALTERATION	MINERALIZATION	COMMENTS
135 - 139.7	Siliceous ash tuff	vfg dk grey	Foliation indistinct	Ash tuff massive transected by numerous disrupted qcv No bedding or grading observed.	Nil	Trace py	
139.7 - 141.5	Lithic ash tuff (chloritic)	vfg dk green	well developed foliation @ 140.5 - 53° to CA	fg lithic ash tuff containing rare siliceous lithic fragments up to 5mm along elongate axis.	fg - ser "fleckeny" throughout unit 2%.	Trace py.	
141.5 - 148	Siliceous ash tuff	vfg dk to med grey	weakly foliated (indistinct) @ 143 - 53°	Siliceous ash tuff weakly bedded. At 142.5 a concrete unit band occurs qcv common So at 65° to CA at 143°	Bleaching (Carb-ser) associated with qcv	py as grains up to 3-4mm in size and in fg. aggregates up to 1cm across. = 2-3%	
148 - 158	FP (QFP?)	fg groundmass eg phenocryst dk grey-green	Foliation indistinct	Porphyritic intrusive unit with relict FP (QFP?) which constitute 5% of the unit Minor veining	V. minor bleaching associated with qcv	<0.5% py as vfg disseminated grains	
158 - 164	Very siliceous ash tuff	vfg dk to med grey + grey-green		Finely laminated and bedded ash tuff with a small unit of fg lithic tuff (@ 162 - 162.7) The unit is very close to being clasty in some sections. So at 40° to CA at 162.	Bleaching associated with some qcv + av	Py occurs in elongate aggregates up to 2cm long. + constitutes approximately 0.5% of the unit	

NUINSCO RESOURCES LIMITED
DRILL LOG

DEPTH	ROCK TYPE	GRAIN SIZE COLOUR	SECONDARY STRUCTURE	TEXTURE AND STRUCTURE	ALTERATION	MINERALIZATION	COMMENTS
164-167.8	FP	fg groundmass cg phenocrysts pink	Indistinct foliation	Massive intrusive with corroded fsp. phenocrysts. Sharp contacts	Nil	Trace py	
167.8-213.4	Ash tuff	fg grey or grey-green	Indistinct to v. distinct foliation @ 212 - 50° to CA	Ash tuff variably siliceous, bleached immediately adjacent to FP. From 184.5-201 the unit contains numerous graphitic horizons often as convoluted bands with a groundmass which appears to be brecciated. So at 60° to C.A. At 213-213.4 siliceous xl tuff	Bleaching adjacent to FP from 167.8-176.4	Trace pyrite throughout much of unit. Also occurs in elongate aggregates up to 2cm and in pyritic bands in the graphitic zones. From 209.1-211.5 numerous pyrite bands occur. Overall sde content 0.5% (however locally in over 2' sections it is as high as 3%)	
213.4-230	chloritic tuff (?)	fg-mg dk green-green	well foliated @ 218 - 59° to CA	Massive chloritic ash tuff.			
230-268.9	Ash tuff	fg dk grey, lt green	well foliated @ 251 - 66° to CA	Bedded vfg ash tuff, bedded consisting of sericitic bands interbedded with less common dark chloritic bands. Probable graded bedding at 285 indicating tops downhole	Bleaching associated with veining, in some cases intensely altered	Groundmass concentrations of py generally low (ie trace). Rarely occurs in pyritic bands (more common in darker tuff bands) overall [illegible]	

NUINSCO RESOURCES LIMITED
DRILL LOG

DEPTH	ROCK TYPE	GRAIN SIZE COLOUR	SECONDARY STRUCTURE	TEXTURE AND STRUCTURE	ALTERATION	MINERALIZATION	COMMENTS
				Transected by numerous CV and and QCV, becoming so intense that the unit has a brecciated appearance. (ie 235.5 - 237, 251.6 - 268.9), particularly immediately adjacent to the underlying FP.			
268.9 - 278.1	FP	fg groundmass cg phenocrysts pink	foliation indistinct	FP with 3% subhedral to euhedral phenocrysts	oxidation? (ie hematite staining?)	Trace py	
278.1 - 301.5	Ash tuff	fg. lt green, dk green	well foliated @ 288 - 55° 296 - 64° 300 - 70°	Interbedded, finely laminated sericitic ash tuff and more chloritic ash tuff. Transected by numerous QCV, QV, CV ; in places very intense. Adjacent to FP (both above + below) the unit has a brecciated appearance (Silicified)	Bleaching associated with veining	Py occurs as vf disseminated grains in chloritic units and usually in thin pyritic bands in sericitic units	
301.5 - 303.8	FP	fg groundmass cg phenocryst flesh pink	foliation indistinct	Massive FP with euhedral 2sp phenocrysts		Trace py	

NUINSCO RESOURCES LIMITED
DRILL LOG

DEPTH	ROCK TYPE	GRAIN SIZE COLOUR	SECONDARY STRUCTURE	TEXTURE AND STRUCTURE	ALTERATION	MINERALIZATION	COMMENTS
303.8 - 309.6	An-As	fg cream - tan light green	weakly defined foliation @ 307 - 66° to CA	Sericitization and some carbonate alt'n probably associated with the enveloping FP's. Primary texture obliterated although 15-20% relict Mv persists	85-90% sericite - carb alt'n	P_y = 0.5%	
309.6 - 322.2	FP	fg groundmass cg phenocrysts dk pink - grey	Foliation indistinct (non-existant?)	Massive FP with subhedral - euhedral fsp phenocrysts Qtz "flooding" at 313 - 316.2	Nil	Trace Py	
322.2 - 341.7	Ash tuff with An-An (felsic)	fg. cream - tan grey - green	well foliated @ 335 - 63°	Ash tuff intensely intruded by QV, QCV immediately adjacent to the overlying FP and to a lesser extent the underlying FP Sericite content high particularly between 224.5 - 227 So @ 336 - 70°			
341.7 - 362.7	FP	fg. groundmass c-g. phenocrysts dk pink	Foliation indistinct (non-existant?)	Intrusive FP with subhedral phenocrysts. Upper and lower contact sharp. Included fragments of country rock (unit above) at 341.6 and 345.6 cont.	Nil	Trace Py.	

NUINSCO RESOURCES LIMITED
DRILL LOG

DEPTH	ROCK TYPE	GRAIN SIZE COLOUR	SECONDARY STRUCTURE	TEXTURE AND STRUCTURE	ALTERATION	MINERALIZATION	COMMENTS
cont				Between 354.5 - 355.5 the unit has a brecciated appearance.			
362.7 - 377	Ash luff (cellulite)	fg dk green	well foliated 362 - 67°	Massive ash luff. Ingraded in places banded (bedded?)	Nil	Trace py	
377 - 431.5	Mv pillowed + amygdaloidal	fg dk green	well foliated @ 378 - 61° 393 - 63° 412 - 63°	Normally amygdaloidal pillowed flow. Lower contact bleached (between 430.5 - 431.5)	Minor bleaching associated with CV and QCV and at lower contact	Trace py	Mag
431.5 - 452.9	Mv massive (Sobbroid flow?)	fg - mg dk green	Foliation indistinct	Massive featureless flow. Relatively sharp contacts	Nil	Trace py	Mag
452.9 - 470.2	Mv pillowed + amygdaloidal	fg dk green	well foliated @ 462 - 61°	Normally amygdaloidal Mv upper contact bleached	Bleaching associated with contact with overlying massive Mv	Trace py	Non - mag
470.2 - 488.	Mv massive	fg - mg dk green	Distinct foliation @ 471 - 58°	Massive featureless Mv. Relatively sharp contact	Sor "flecking" throughout. <1%	Trace py	

NUINSCO RESOURCES LIMITED
DRILL LOG

DEPTH	ROCK TYPE	GRAIN SIZE COLOUR	SECONDARY STRUCTURE	TEXTURE AND STRUCTURE	ALTERATION	MINERALIZATION	COMMENTS
493 - 514	Mv amygdaloidal	fg dk green cream - tan	well foliated @ 502 - 66° 508 - 59°	Mv veriably amygdaloidal becoming bleached in association with QCV and QV from 495.5 - 501.4	Bleaching associated with 495.5 - 501.4	Py content generally trace however between 495.5 - 501.4 py occurs in bands up to 5mm wide associated with QCV up to 1%.	
514 - 523.7	Mv massive	fg - mg dk green	Generally indistinct however foliation becomes intense with depth @ 515 - 58° 521 - 64	Mv massive becoming progressively more sheared with depth as does the carbonate content	Rc alt'n throughout ≈ 3%	Trace Py	
523.7	Mv amygdaloidal	fg dk green	well foliated	Mv amygdaloidal with numerous randomly oriented cv (majority aligned in foliation). Hole Ends at 527.	Minor bleaching	Trace Py.	

DDH

Assess files

Ministry of Natural Resources
Ontario

Report of Work

W8301-160

ROWAN LAKE

The Mini

52F05SE0107 28 ROWAN LAKE

900

Name and Postal Address of Recorded Holder

NUINSCO RESOURCES LIMITED

STE. 306 4198 DUNDAS STREET WEST TORONTO ONTARIO M8X 1Y6

Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed: 5360.5

for Performance of the following work. (Check one only)

- ☐ Manual Work
- ☐ Shaft Sinking Drifting or other Lateral Work.
- ☐ Compressed Air, other Power driven or mechanical equip.
- ☐ Power Stripping
- ☒ Diamond or other Core drilling
- ☐ Land Survey

Mining Claim Prefix	Mining Claim Number	Work Days Cr.	Mining Claim Prefix	Mining Claim Number	Work Days Cr.	Mining Claim Prefix	Mining Claim Number	Work Days Cr.
K	386816 to			519950 to				
	386818 incl.			519965 incl.				
	386888 to			533901 to				
	386900 incl.			533908 incl.				
	465069 to			561022 to				
	465075 incl.			561026 incl.				
	465351 to			666294 &				
	465358 incl.			666295				

as attached

Required Information eg: type of equipment, Names, Addresses, etc. (See Table below)

The work was performed on Mining Claims K465070 3853.6 Days' Credit.
K465069 447.0
K519953 527.0
K519952 607.0
K465353 487.0

Total 5921.6

Total work days 5921.6 to be applied to to all 61 mining claims as requied to record 200 days work per claim.

BQ diamond drilling conducted during the period March 21st November 16th, 1983.

Contractor: Bradley Bros. Limited
Crew from Val Caron, Ontario
Head Office: 98 14th Street, P.O.Box 2367
Noranda, Quebec J9X 5A9

ONTARIO GEOLOGICAL SURVEY
ASSESSMENT FILES
RESEARCH OFFICE
DEC 22 1983
RECEIVED

KENORA
MINING DIV.
RECEIVED
DEC 9 1983
AM 7 8 9 10 11 12 1 2 3 4 5 6 PM

Date of Report	Recorded Holder or Agent (Signature)
Dec. 7/83	

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying

A.D. HUNTER P.O.BOX 324, MILLBROOK, ONTARIO L0A 1G0

Date Certified	Certified by (Signature)
December 7, 1983	

Table of Information/Attachments Required by the Mining Recorder

Type of Work	Specific information per type	Other information (Common to 2 or more types)	Attachments
Manual Work	Nil	Names and addresses of men who performed manual work/operated equipment, together with dates and hours of employment. 386816	Work Sketch: these are required to show the location and extent of work in relation to the nearest claim post.
Shaft Sinking, Drifting or other Lateral Work			
Compressed air, other power driven or mechanical equip.	Type of equipment		
Power Stripping	Type of equipment and amount expended. Note: Proof of actual cost must be submitted within 30 days of recording.	Names and addresses of owner or operator together with dates when drilling/stripping done.	
Diamond or other core drilling	Signed core log showing; footage, diameter of core, number and angles of holes.		Work Sketch (as above) in duplicate
Land Survey	Name and address of Ontario land surveyor.	Nil	Nil

768 (11/79)

K.386816	82.5
17	82.5
18	96.5
386888	116.5
89	82.5
90	99.5
91	99.5
92	99.5
93	99.5
94	99.5
95	82.5
96	82.5
97	99.5
98	99.5
99	99.5
900	99.5
465069	62.5
70	62.5
71	62.5
72	62.5
73	62.5
74	62.5
75	62.5
465351	52.5
52	62.5
53	8.5
54	62.5
55	52.5
56	62.5
57	59.5
58	62.5
519950	82.5
51	62.5
52	62.5
53	82.5
54	99.5
55	99.5
56	99.5
57	62.5
58	99.5
59	99.5
60	99.5
61	99.5
62	62.5
63	62.5
64	113.5
65	96.5

K.533901	99.5
02	99.5
03	99.5
04	133.5
05	93.5
06	93.5
07	133.5
08	99.5
561022	93.5
23	62.5
24	93.5
25	93.5
666294	200
95	200

5360.5