670087

J.C. STEPHEN EXPLORATIONS LTD.

GEOCHEMICAL DATA SHEET — ROCK GEOCHEM SAMPLING

SENTINEL MTN.

NTS 104 N/6W + 5E

SAMPLER M. RADAN

PROJECT NEWEX

LINE

DATE AUG 1981

AIR PHOTO No. BC 5676 N°209

	SAMPLE NUMBER	LOCATION	ROCK TYPE	ALTERATION	MINERALIZATION	STRIKE / DIP	ADDITIONAL REMARKS	APPARENT WIDTH / TRUE WIDTH	ASSAYS Au.	As.	Ag	
(1)	27632C	Sentinel Mtn.	Amphibolite		MINOR SULFIDES		- mineral seems to occur in more serpentinized areas		<10	-	0.1	
(2)	27633	"	Argillite	RUSTY	Possible ARSENOPYRITE		- rock is somewhat siliceous		<10	-	0.1	
(3)	27634	"	Amphibolite		Dissem. Sulfides?				<10	-	0.1	
(4)	27635	"	Greenstone		Abundant dissem Sulfides		- fairly siliceous - fine - med grained		<10	-	0.1	
(5)												
(6)												
(7)												
(8)												
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(20)												

B.C. GOLD SYNDICATE

J.C. STEPHEN EXPLORATIONS LTD.

GEOCHEMICAL DATA SHEET – SOIL SAMPLING

NTS 104 N

LINE Sentinel Mtn. - J

AIR PHOTO NO. BC 5676 209

SAMPLER J. Pautler

PROJECT Newex

DATE AUG 22 - 26/81

NB g.s. = greenstone

SAMPLE NO.	LOCATION	Depth (cm)	Horiz	DESCRIPTION Colour	Part Size	% ORG.	Ph	SLOPE	VEG.	ADDITIONAL OBSERVATIONS OR REMARKS	ASSAYS Au	As	Ag
81 -NX- G-501	N of creek by camp	5	B?	lt br	fine sandy silt	mod		gentle	grass weeds	- bank of dry creek.	<10	11	0.1
G-502	on ridge N of creek by camp	4	B	med br	fine	mod		flat	grass	- N side of ridge	<10	7	0.1
GT-503	Talus line N. cirque near camp	0	B	"	fine-coarse	high		mod	moss	chert, qtz, gs float	<10	9	0.1
GT-504	"	2	B	"	med-coarse	mod		"	grass moss	-100m from 503 at 140° -jasper qtz gs, chert float.	<10	7	0.1
GT-505	"	0	C	red-br	med	few		"	—	-50m from 504; mostly jasper fl. W side dry creek + talus run	<10	6	0.1
GT-506	"	1	B-C	"	fine-coarse	mod		"	—	-75m from 505 jasper, some qtz + gs. fl.	<10	5	0.1
GT-507	"	—	C	dk br	fine-med	"		"	—	-60m from 506 -gs, some jasper chert; 7m below gs etc	<10	5	0.1
GT-508	2nd talus line N. cirque	1	B-C	med br	"	few		"	moss	- base of and centre of lge gs-chert etc	<10	4	0.1
GT-509	"	3	B	dk br	fine silty	mod		"	shrubs	-jasper, gs, chert fl. 60 m from 508	<10	5	0.1
GT-510	"	3	B	med br	fine	~~mod~~ ~~few~~		"	~~some~~ weeds ~~grass~~ moss	~~-mainly gs fl.~~ ~~-some jasper, chert~~	<10	5	0.1
GT-511	"	3	B	"	"	few		"	some grass moss	mainly gs. float, some jasper chert	<10	5	0.1
GT-512	"	—	B	"	fine-med	mod		"	few weeds	gs, jasper, chert fl some qtz	<10	6	0.2
GT-513	"	2	B	"	fine silty	"		"	grass moss	gs, chert, some jasper fl.	<10	6	0.1
GT-514	"	—	B	"	fine	"		"	—	gs blds some jasper chert fl.	<10	6	0.1
GT-515	S. cirque	—	B-C	dk red-br	fine pebbly	none		gentle	moss	gs. etc	<10	3	0.5
G-516	"	20cm	B	med br-rusty	fine	few		flat	"	gs. float.	<10	5	0.1
G-517	near N cirque at top	3	B	lt br	med clayey sand	mod		gentle	"	amphib, chert, qtz talus.	<10	3	0.1
GT-518	W side top lge NE cirque	2	B	dk br rusty	med	none		flat	—	-mainly chert talus some qtz -near arg -chert etc	<10	6	0.1
GT-519	"	2	B	med br	med	few		mod-steep	—	-rusty chert talus + argillite	<10	10	0.2
G-520	"	5	B	"	"	"		gentle	—	-above rusty chert -bedding here trends 80°/45°S	<10	7	0.1

J.C. STEPHEN EXPLORATIONS LTD.

GEOCHEMICAL DATA SHEET – SOIL SAMPLING

SENTINEL MTN.

SAMPLER M. RADAN

DATE AUG. 1981

PROJECT NEWEX

NTS 104 N

LINE

AIR PHOTO NO. BC 5676 N° 209

	SAMPLE NO. 81-NX-	LOCATION	Depth	Horiz	DESCRIPTION Colour	Part Size	% ORG.	Ph	SLOPE	VEG.	ADDITIONAL OBSERVATIONS OR REMARKS	ASSAYS Au	As	Ag.	
SOIL	G-117	Sentinel Mtn.		B	BROWN	FINE	MINOR		SLIGHT	GRASSY	- in O.C. of med-grained amphibolite	<10	4	0.1	
	G-118	"		"	LIGHT BROWN	MED	NONE		MOD.	NONE	- near O.C of fine-med grn. greenstone	<10	3	0.1	
TALUS	GT-116	"			BROWN	FINE-MED.	NONE		STEEP	NONE		<10	10	0.1	
	GT-117	"			"	"	"		"	"		<10	6	0.1	
	GT-118	"			"	COARSE	"		"	"		<10	5	0.1	
	GT-119	"			"	"	"		"	"	- 30m up off of contour (talus line)	<10	5	0.1	
	GT-120	"			"	FINE-MED.	MINOR		"	"		<10	4	0.1	
	GT-121	"			"	"	NONE		"	"		<10	4	0.1	
	GT-122	"			"	MED-COARSE	"		"	"		<10	6	0.1	
	GT-123	"			DARK BROWN	"	"		"	"	- in serpentinite rubble	<10	33	0.1	
	GT-124	"			BROWN	"	"		"	"	- in rusty argillite talus	<10	20	0.1	
	GT-125	"			GREY-BROWN	"	"		"	"	- in greenstone	<10	9	0.1	
	GT-126	"			"	FINE-MED.	"		"	"	- in "limestone breccia"	<10	14	0.1	
	GT-127	"			BROWN	"	"		"	"	- in rusty greenstone	<10	12	0.1	
	GT-128	"			DARK BROWN	"	"		"	"	" "	<10	14	0.3	
	GT-129	"			"	"	"		"	"	" "	<10	14	0.2	

J.C. STEPHEN EXPLORATIONS LTD.

GEOCHEMICAL DATA SHEET – ~~SOIL~~ TALUS SAMPLING

J.C. GOLD SYNDICATE

NTS 104N

SAMPLER DON GUGLIELMIN

LINE

DATE AUG 24th 1981

PROJECT NX SYNDICATE – SENTINEL MTN (EAST OF PALMER LAKE)

AIR PHOTO NO. 5676 209

SAMPLE NO.	LOCATION	Depth	Horiz	DESCRIPTION Colour	Part Size	% ORG.	Ph	SLOPE	VEG.	ADDITIONAL OBSERVATIONS OR REMARKS	ASSAYS Au	As	Ag	
81 NXGT47				MED-BRN	PEBBLES SILT	MOD.		25° W	MOSS	SOIL – TALUS SAMPLE ARGILLITE-SILTSTONE COBBLE	<10	6	0.2	
81 NXGT48				" "	" "	" "		" "	" "	" LIMESTONE COBBLE CONGLOMERATE WITH DRY SOFT MATRIX AS COBBLE AND PEBBLES IN HOLE	<10	5	0.1	
81 NXGT49				" "	PEBBLES SAND SILT	little		" "	NONE	GREENSTONE OTC JUST ABOVE SAMPLE	<10	7	0.1	
81 NXGT50				LIGHT GREY-BRN	PEBBLES SILT	" "		25° N	" "	LIMESTONE PEBBLE-COBBLE CONGLOMERATE OTC ABOVE SAMPLE	<10	7	0.1	
81 NXGT51				MED-BRN	" "	" "		" "	"	" "	<10	12	0.1	

J.C. STEPHEN EXPLORATIONS LTD.

GEOCHEMICAL DATA SHEET – ~~SOIL~~ TALUS SAMPLING

NTS 104 N

SAMPLER DON GUGLIELMIN

LINE

DATE AUG 23 1981

PROJECT NX SYNDICATE – SENTINEL MOUNTAIN (EAST OF PALMER LAKE)

AIR PHOTO NO. 5676 209

	SAMPLE NO.	LOCATION	Depth	Horiz	DESCRIPTION Colour	Part Size	% ORG.	Ph	SLOPE	VEG.	ADDITIONAL OBSERVATIONS OR REMARKS	ASSAYS Au	As	Ag.
81	NXGT 27					COARSE SAND - SILT	NONE		25° SW	NONE	ON GRAVEL SLIDE IN AREA OF GLACIALLY COVERED MED GRAY CHERT BRECCIA AND ARGILLITE OTC	<10	9	0.3
	28					"	" "		"	"	" "	<10	6	0.1
	29					"	"		"	"	" "	<10	12	0.1
	30					"	"		"	"	BELOW ARGILLITE OTC	<10	14	0.1
	31					"	"		"	"	" "	<10	14	0.2
	32					"	"		10° NW	"	BELOW GREENSTONE OTC	<10	10	0.2
	33					"	"		25° NW	"	IN CHERT - ARGILLITE GRAVEL	<10	33	0.5
	34					"	"		"	"	" "	<10	25	0.4
	35					"	"		"	"	" "	<10	19	0.2
	36					"	"		"	"	" "	<10	12	0.2
	37					"	"		30° NW	"	BENEATH OTC OF INTERBEDDED CHERT AND ARGILLITE	<10	12	0.1
	38					SAND - SILT - CLAY	"		25° NW	"	CHERT - ARGILLITE GRAVEL, CHERT CONGLOMERATE COBBLE - BOULDERS	<10	15	0.1
	39					COARSE SAND - SILT	"		"	"	CHERT COBBLE - GRAVEL	<10	14	0.1
	40					"	"		"	"	SOME JASPER GRAVEL NEARBY	<10	3	0.1
	41					"	"		"	"	NEAR CHERT CONGLOMERATE OTC	<10	3	0.1
	42					"	"		"	"	" "	<10	5	0.1
	43					"	"		25° SW	"	JASPER AND GREENSTONE ~~AND~~ CHERT COBBLE	<10	6	0.3
	44					"	"		"	"	GREENSTONE TALUS	<10	5	0.1
	45					"	"		"	"	" "	<10	5	0.1
81	NXGT 46					SAND SILT CLAY	MOD.		"	GRASS	GRASS POCKET IN DERIVED AMPHIBOLITE WITH QTZ VEINS, TALUS	<10	6	0.1

J.C. STEPHEN EXPLORATIONS LTD.

GEOCHEMICAL DATA SHEET – ~~SOIL~~ TALUS SAMPLING

NTS 104 N

SAMPLER DON GUGLIELMIN

LINE

DATE AUG 22 1981

PROJECT NX SYNDICATE (SENTINEL MOUNTAIN) (EAST OF PALMER LAKE)

AIR PHOTO NO. 5676 209

SAMPLE NO.	LOCATION	Depth	Horiz	DESCRIPTION				SLOPE	VEG.	ADDITIONAL OBSERVATIONS OR REMARKS	ASSAYS			
				Colour	Part Size	% ORG.	Ph				Au	As	Ag	
81NXGT17				DRK BRN	GRAVEL COARSE SAND	NONE		30° N	NONE		<10	6	0.1	
81NXGT18				"	"	"		"	"		<10	6	0.1	
81NXGT19				"	"	"		"	"		<10	6	0.1	
81NXGT20				"	"	"		"	"		<10	6	0.1	
81NXGT21				"	"	"		"	"		<10	6	0.1	
81NXGT22				"	"	"		"	"		<10	6	0.1	
81NXGT23				"	" AND PARTIALLY	" LITTLE CLAY		"	MOSS	TALUS-SOIL SAMPLE	<10	9	0.1	
81NXGT24				"	" "	" "		"	" "	"	<10	7	0.1	
81NXGT25				"	"	"		"	"	"	<10	9	0.1	
81NXGT26				"	"	"		"	"	"	<10	7	0.1	

J.C. STEPHEN EXPLORATIONS LTD.

GEOCHEMICAL DATA SHEET – STREAM SILTS

~~B.C. GOLD SYNDICATE~~

NTS 104N

SAMPLER J. Pantler

PROJECT Newey

CREEK N of creek at camp

DATE Aug 22 – 26 /81

AIR PHOTO NO. 56676 209 BC

NB g.s. = greenstone

SENTINEL MTN. – 8

SAMPLE NO.	VOLUME Width	VOLUME Depth	VELOCITY	Ph	TYPE OF SAMPLE	COLOUR	TEXTURE	% ORGANIC MATERIAL	PETROLOGY OF BEDROCK AND/OR FLOAT	ADDITIONAL OBSERVATIONS OR REMARKS	ASSAYS Au	ASSAYS As	ASSAYS Ag
81 -NX- T-201	30cm -1m	—	dry creek			dk. br.	coarse silty	high	jasper, g.s, qtz	poor silt, gentle grade moss veg.	<10	10	0.3
T-202	1m	—	"		of 2-30cm tubs	junction med br	fine-muddy-coarse		jasper, chert fl. some w/ qtz	poorly sorted, poor silt moss, mod. grade.	<10	10	0.2
T-203	1m	—	"		flood plain	"	fine-coarse poorly sorted	high	" (lessing some g.s.)	-mod grade.	<10	10	0.1
T-204	10m	—	"		junction 2 dry creeks	"	"	"	"	-7m from actual creek 1m wide -near junction of 2 steep dry creeks	<10	7	0.1
T-205	4m	—	"			"	"	"	arg-chert etc.	-above junction 2 creeks	<10	11	0.1
T-206	1-4 m	—	"			black	coarse		arg, chert fl.	" " " " mod-steep grade.	<10	15	0.1
T-207	1m	—	"			med br	fine-med	mod	arg, chert etc	above junction 2 creeks Some moss, steep-mod grade	<10	5	0.1
T-208	5-6 m	—	"			dk br	"	mod.	arg chert fl. and etc	upstream of junction w/ 207 creek Some grass	<10	14	0.1

J.C. STEPHEN EXPLORATIONS LTD.

GEOCHEMICAL DATA SHEET – STREAM SILTS

SAMPLER Don Guglielmin

DATE Aug 22, 24th 1981

PROJECT NX SYNDICATE – SENTINEL MOUNTAIN (EAST OF PALMER LAKE)

NTS 104 N

CREEK

AIR PHOTO NO. 5676 209

SAMPLE NO.	VOLUME Width M	VOLUME Depth CM	DRAINAGE	Ph	TYPE OF SAMPLE	COLOUR	TEXTURE	% ORGANIC MATERIAL	PETROLOGY OF BEDROCK AND/OR FLOAT	ADDITIONAL OBSERVATIONS OR REMARKS	ASSAYS Au	ASSAYS As	ASSAYS Ag	
81NXT 108	.80	5	MOD.		SAND BAR (ACTIVE)		COARSE SAND – SILT	little	Assorted gravel		<10	6	0.1	
81NXT 109	.50	0	DRY		BOTTOM	BROWN	" "	" "	ROUNDED CHERT COBBLE – BOULDERS		20	6	0.1	
81NXT 110	.75	1	A TRICKLE		" "	MED. BRN	" "	" "	DERIVED AMPHIBOLITE, ARGILLITE AND CHERT COBBLE (ALL SUBROUNDED)		<10	6	0.1	

J.C. STEPHEN EXPLORATIONS LTD.

GEOCHEMICAL DATA SHEET — ROCK GEOCHEM SAMPLING

B.C. GOLD SYNDICATE

NTS 104N

SAMPLER Don GUGLIELMIN

PROJECT NX SYNDICATE - SENTINEL MTN (EAST OF PALMER LK)

LINE

DATE AUG 24th, 25th 1981

AIR PHOTO No. 5676 209, 275

	SAMPLE NUMBER	LOCATION	ROCK TYPE	ALTERATION	MINERALIZATION	STRIKE / DIP	ADDITIONAL REMARKS	APPARENT WIDTH / TRUE WIDTH	ASSAYS Au.	As.	Ag	
(1)	28218B	SEE AIR PHOTO BX 5676 275	JASPER-QTZ Breccia		MICROSCOPIC (<1/4MM) MAGNETITE GRNS IN JASPER FRAGS.		RED JASPER FRAGS IN GREY QTZ MATRIX - SUBROUNDED COBBLE BURIED IN		<10	-	0.1	
(2)	28219B	" "	very fine grained derived amphibolite	No alteration	WEAK TO MODERATE DISS. very fine pyrite (≤ 1/4MM)		SIDE OF GLACIAL(?) HILL IN cirque valley		<10	-	0.1	
(3)	28220B	" "	CHERT, LIMESTONE PEBBLE-COBBLE CONGLOMERATE		TRACE DISS. PYRITE IN ARGILLACEOUS MATRIX				<10	-	0.1	
(4)	28221B	" "	qtz - calcite gash (?) filling						<10	-	0.1	
(5)	28222B	" "	MEDIUM GRAY CRYSTAL TUFF	MOD. RUSTY	MOD DISS. PYRITE		FLOAT BY OTC OF MED. GRAY FLOW BRECCIA		<10	-	0.1	
(6)	28223B	" "	COARSELY XTALLINE QTZ VEIN 4"-6" thick in agate like Chert				Take - in chert zone near contact with derived amphibolite - Float		<10	-	0.1	
(7)												
(8)												
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J.C. STEPHEN EXPLORATIONS LTD.

GEOCHEMICAL DATA SHEET — ROCK GEOCHEM SAMPLING

B.C. GOLD SYNDICATE

NTS 104N

SAMPLER J. Panther

PROJECT Nemex

LINE Sentinel Mtn. - 8

DATE AUG 22-26/81

AIR PHOTO No. BC 5676 209

	SAMPLE NUMBER	LOCATION	ROCK TYPE	ALTERATION	MINERALIZATION	STRIKE / DIP	ADDITIONAL REMARKS	APPARENT WIDTH	TRUE WIDTH	ASSAYS Au.	As.	Ag	
(1)	25741 C	N. side of ridge N of camp	milky qtz vein	- jasper host rk. - jasper frags within vein.		?				<10	4	0.2	
(2)	25742	S. cirque	chert - dusted with fine drusy qtz., rusty				along amphib. - sed. contact.			<10	7	0.1	
(3)	25743	S. cirque near camp.	wte drusy qtz	- amphib. host rusty spots.			V. angular float on top S. cirque.			<10	-	0.1	
(4)	25744	top of W. side lge cirque	qtz veining in jasper beds	- bx frags of jasper in qtz.		54/60W of jasper beds				<10	-	0.1	
(5)	25745 C	W. side lge cirque at top.	milky qtz vein, drusy	- rusty spots		54/90	- sil. amphib - greenstone host.			<10	-	0.1	
(6)													
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J.C. STEPHEN EXPLORATIONS LTD.

GEOCHEMICAL DATA SHEET – STREAM SILTS

B.C. GOLD SYNDICATE

SENTINEL MTN.

SAMPLER M. RADAN

PROJECT NEWEX

NTS 104 N

CREEK

DATE AUG. 1981

AIR PHOTO NO. BC 5676 N° 209

SAMPLE NO. 81-NX-	VOLUME Width	VOLUME Depth	DRAINAGE	Ph	TYPE OF SAMPLE	COLOUR	TEXTURE	% ORGANIC MATERIAL	PETROLOGY OF BEDROCK AND/OR FLOAT	ADDITIONAL OBSERVATIONS OR REMARKS	ASSAYS Au	ASSAYS As	ASSAYS Ag.	
T-12	3'	5"	SWIFT		FINE SILT	LIGHT GREY BROWN		MINOR		—	<10	5	0.2	
T-13	1'	6"	SLOW		MUD - COARSE GRAVEL	DARK BROWN		ABUNDANT		- difficult to obtain any "real" silt	<10	4	0.1	
T-14	4'	4"	SWIFT		MEDIUM GRAIN	LIGHT BROWN		NONE		- nearby O.C. of (lower) amphibolite	<10	5	0.1	
T-15	1'	2"	SLOW		MED - COARSE GRAIN	BROWN		ABUNDANT		- few seds. available	<10	9	0.1	
T-16	2'	2"	MOD. SWIFT		MED - COARSE	"		MINOR		- 70 m upstream is O.C. of slightly mineralized amphibolite (N° 27632)	<10	10	0.1	