J.C. STEPHEN EXPLORATIONS LTD.

Length 221' | Bearing 358° | Dip -60° | Lct. | Dep. | Elev. 5591' | Q.B. Thickness 0 | B.R. Thickness

Contractor DRILCOR | Core BQ | Casing 5' recovered | Logged by MMB | Location

Started July 13 2pm | Finished | Date July 16, 1981 | Started | Finished July 14 4pm

Hole No. 81 CAN 3 | Project D.C. SYNDICATE | Claim

Page 1 of

SURVEY: Footage	Bearing	ANGLE: Reading	Corrected

Purpose
Comment

DRILLING INTERVAL	% CORE RECOVERED	BOX No.	SCALE 1" =	ALTERATION	FRACTURING	MINERAL	GEOLOGY
	50%						
	70%						
	90%		10				
					30° 45°		
			20				
					0° 30° 45°		
	90%		30				
			40				
			50				
			60				

0-4' Casing. Rock broken, lt brown m gr porph Seagull granite(monzonite), minor actinolite.

4-8'as above,not as fract; lg euhedral fsp pheno,abundant qtz eyes; lt brown;rust brown veinlets;lower contact sharp but irregular at 70°

8-11'F gr grey green monzonite,qtz eyes,minor biotite

11-21'Coarse gr porph granite-Seagull;lrge fsp pheno,qtz eye med large biotite flakes;repetitions of light brown and green phases.

21-33' Dominantly m gr porph, green Seagull/large qtz eyes; minor section of c.gr at 31';fractures heavily Fe stained spaced at 4-6"

33-55' F gr porph Seagull,light-med green;variable abundance phenos; biotite rare. Fe stain on fracts and in swirl patterns

55-86' Med gr porph Seagull granite, cream to lt brown; moderate Fe stain; Qtz content variable-more in lower section. Few mafics-more in section not Fe stained(76-79' Small fract filled with tourmaline.

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Hole No. 81 CAN 3
Project _____
Claim _____

Page 2 of _____

DRILLING INTERVAL	% CORE RECOVERED	BCK No.	SCALE 1" =	ALTERATION	FRACTURING	MINERAL	GEOLOGY
			70				
			80				
			90		45°		
					30°		
					60°		
			100			2.63% U.S.	
			110				
			120				

SURVEY		ANGLE	
Footage	Bearing	Reading	Corrected

Purpose
Comment

86-86.5' Contact zone transition from Seagull to green siliceous rock, f gr, with coarse fsp, highly altered.

86.5-89' M-very crse gr drk forest green skarn, actinolite red garnet, calcite; lower contact sharp at 20°.

89-91' C gr intrusive contains minor skarn minerals near contacts. Lt-med grey porph; euhedral fsp; minor biotite, possible epidote; sharp contacts.

91-93' Fine-c gr skarn, actinolite, red & green garnets, calcite.

93-99' Med-c. gr. intrusive as 89-91; upper contact transitional lower very sharp; qtz, feldspr, biotite equigranular/few pheno

99-110.5 Skarn, drk green, med-v. coarse gr (actinolite laths) green, red garnets make up most of the skarn, minor qtz and calcite pockets. 107-109' Magnetite skarn, massive with thin bands of garnet skarn; lge. euhedral garnets within the magnetite layer; 109-110.5' green garnet skarn with calcite, qtz blebs, very few 2-10mm blebs anhedral mgt green actinolite crystals grow into calcite pockets.

110.5-132.5' Marble - white crystalline, euhedral, equigranular xstals 1-2mm; well indurated 99% calcite; minor Fe. stain. on. few. fracts.; barren; upper and lower contacts very sharp. Upper at 45°; lower at 90°

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Hole No. 81 CAN 3
Project D.C. SYNDICATE
Claim ____
Page 3 of ____

DRILLING INTERVAL	% CORE RECOVERED	BOX No.	SCALE 1" = ____	ALTERATION	FRACTURING	MINERAL	GEOLOGY	Purpose Comment	SURVEY: Footage	SURVEY: Bearing	ANGLE Reading	ANGLE Corrected
			130					many thin bands leading up to contact; calcite,malachite round crystals of brown mineral.				
			140			Mgt		132.5-155' Skarn-wide band of dark green fine-coarse grained skarn rock. Predominantly green garnet,actinolite,brown &red garnets,inclusions of qtz and calcite;some siliceous sections.Very lge euhedral Xstals are associated with calcite.Most of skarn is magnetic though mgt often dissem. There are 6 zones(each 1-3") of 75% mgt at or near calcite zones. The lower contact is gradational into the f.g Seagull green unit.				
			150									
			160		30° 45°			155-178' F-m.gr porph granite; qtz eyes but few fsp pheno; grey green;Fe stain on fault/fract surfaces;little or no alteration. Very similar to unit higher in hole.				
			170									
			180					178-189'Transition zone of same composition,fracts more abundant;gossaned;quite altered in places;faults rusty				

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Hole No. 81 CAM 3
Project _____
Claim _____
Page 4 of _____

DRILLING INTERVAL	% CORE RECOVERED	BOX No.	SCALE 1" =	ALTERATION	FRACTURING	MINERAL	GEOLOGY
	90%		190 200 210 220		30° 45° 60°		

Purpose
Comment

SURVEY: Footage	Bearing	ANGLE Reading	Corrected

181' one foot section of very coarse grained pegmatitic material; qtz,fsp,mgt
185-187' similar to 181'.

189-221' M.gr porph grey-buff granite(Seagull);some very massive,other with fracts with Fe stain

221' END OF HOLE

From	To	Width	Recovery ft/lbs.	Recovery %	Sample	Assays Sn	WO_3	Ag	Cu		Axul		
7.0	11.0	4.0'			25813C	-.01	0.02	-.01	-.01				
26.0	31.0	5.0'			25814C	-.01	0.01	-.01	-.01				
81.5	86.0	4.5'			25815C	-.01	-.01	-.01	-.01				
86.0	89.0	3.0'			25816C	0.05	0.01	0.01	-.01				
89.0	91.0	2.0'			25817C	-.01	-.01	-.01	-.01				
91.0	93.0	2.0'			25818C	0.13	-.01	0.03	-.01				
93.0	99.0	6.0'			25819C	-.01	-.01	-.01	-.01				
99.0	102.0	3.0'			25820C	0.09	-.01	0.03	-.01		0.27		
102.0	106.0	4.0'	11.5		25821C	0.54	0.01	0.16	-.01		2.16		
106.0	108.0	2.0'			25822C	2.24	-.01	0.09	-.01		4.48		
108.0	110.5	2.5'			25823C	0.17	-.01	0.41	-.01		0.425		
110.5	114.0	3.5'			25824C	0.01	-.01	0.07	-.01		7.335 / 11.5		0.6378% / 11.5'
			"										
132.5	136.0	3.5'			25825C	0.05	0.06	0.20	-.01				
136.0	140.0	4.0'			25826C	0.33	-.01	0.09	-.01		1.32		
140.0	144.0	4.0'			25827C	0.27	-.01	0.09	-.01		1.08		
144.0	147.0	3.0'			25828C	0.23	-.01	0.06	-.01		0.69		
147.0	151.0	4.0'			25829C	0.06	-.01	0.03	-.01		0.24		
151.0	155.0	4.0'			25830C	0.34	-.01	0.11	-.01		1.36		
155.0	158.5	3.5'			25831C	0.12	-.01	0.07	-.01		4.69 / 13.0'		0.2468% / 13.0'
165.0	170.0	5.0'			25832C	0.02	-.01	0.01	-.01				

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Page _____ of _____