

## CORDILLERAN

## ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. BRP-74-11 CLAIM: DUO 4 PROPERTY: Goz Creek OVERBURDEN: 13.5 PAGE No. 1 of 12  
ELEVATION: 4,679.1 SECTION: 10+100 DATE STARTED: Aug 3, 1974 CONTRACTOR: Longyear LOGGED BY: G.G. Webb  
NORTHING: 157,821.8 INCLINATION: 300° - 45° COLLAR - 45° BQ 107-107' SCALE: 1"=10'  
EASTING: 77,752.2 AZIMUTH: 60° DATE FINISHED: Aug 9, 1974 CORE SIZE: RQ 107-675' CORE RECOVERY: 80.5% CORE STORED AT: Camp

COMMENTS: Stickup = 2.5'									
Sample Tag Numbers: 1419-177, 14324 347									
16.0-62.0 Speckled Dolo. - Fractured, minor ZnCO <sub>3</sub>									
62.0-113.0 Altered Dolo. - fault Go-121, diss. ZnCO <sub>3</sub>									
113.0-173.0 Speckled Dolo. - Fractured, minor ZnCO <sub>3</sub>									
173.0-214.0 Altered Dolo. - along diss. ZnCO <sub>3</sub> , weak									
214.0-224.0 Altered Dolo. - diss. ZnCO <sub>3</sub> , weak									
224.0-224.0 Silicified Dolo. - diss. ZnCO <sub>3</sub> , weak									
DESCRIPTIVE GEOLOGY									
Note: BQ core 0-107'									
RQ core 107'-675'									
25-16.0 Overburden									
16.0-62.0 Speckled Dolostone									
Fractured									
intensely fractured and crushed fault									
1st bleb									
mineralization: minor smithsonite along fracs.									
16-47 Core very broken up and									
48-62 granular									

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COMMENTS: Sample Numbers: 14123-133										DESCRIPTIVE GEOLOGY										ESTIMATED RECOVERIES										DRILLING INTERVAL										% CORE										SAMPLE INT.										% RECOVERY /										ESTIMATED GRADE										% Zn Total										% Zn Soluble (ZnCO <sub>3</sub> )										% Zn 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Hole Summary (cont.)										224.0-267.0 Speckled Dolo - minor frac. Zn + ZnCO <sub>3</sub>										267.0-293.0 Altered Dolo. - disseminated ZnCO <sub>3</sub>										293.0-344.0 Silicified Dolo. Breccia - best min. disseminated Zn + minor ZnCO <sub>3</sub> matrix										344.0-404.0 Intracrystalline Dolo - minor Zn + ZnCO <sub>3</sub> frac. + vug 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# DRILL RECORD

PROPERTY: Goz Creek

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## LIMITED — DIAMOND

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CORDILLERAN ENGINEERING LIMITED - DIAMOND DRILL RECORD

HOLE No. BAF-74-11 CLAIM: DUO 4

PROPERTY: Goz Creek

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SECTION	DIFFERENTIATION	SILICIFICATION	FRACTURING	MINERAL	GEOLOGY	COMMENTS:	ESTIMATED % Fe SULFIDES	DRILLING INTERVAL	% CORE RECOVERED	SAMPLE INT.	NUMBER	% RECOVERY/ SAMPLE INT.	ESTIMATED GRADE	ASSAYS							
														% Zn Total	% Zn Soluble (ZnS)	% Zn	%	%			
						<b>DESCRIPTIVE GEOLOGY</b>  224.0-267.0 Speckled Dolostone Locally Altered or Slightly Altered  fm x-talline, med. gy. speckled and wispy, banded dolo. which is locally altered or slightly altered. Weak fracturing, frequent open fracs. and frequent silicified fracs.  mineralization: Mainly very weak Smithsonite along open fracs. few specks of v. sph. with qtz. in fracs. 245-255 v. sph with wh creamy qtz and silica in fracs. frequent specks of stringers within halimite silica fracs  Note: Samples 14165-171 were also assayed for Ca:Mg:SiO2 ratios.															
						Sp. bled in qtz.		255- 235	85% 60%	156		78%	.50	1.84	0.58	0.66					
								230- 240	82.5%	157		85.5%	1.25	0.68	0.56	0.12					
								240- 245	98.5%	158		88.5%	1.25	0.31	0.28	0.03					
								245- 250	82%	159		89%	2.0	2.12	0.43	1.69					
								250- 255	94%	160		94%	2.0	2.00	0.35	1.65					
								255- 260		161		100%	.50	0.37	0.29	0.08					
								260- 262	103%	162		103%	.75	0.27	0.20	0.07					
								262- 267		163		101.5%	1.5	1.54	1.54	0.00					
								267- 272	101.5%	164		101.5%	1.0	0.72	0.65	0.07					
								272- 277		165		101%	1.25	0.83	0.83	0.00					
								277- 282	101%	166		101%	.50	2.80	2.68	0.12					
								282- 287	55%	167		55%	10.0	5.52	4.64	0.88					

CORDILLERAN ENGINEERING LIMITED - DIAMOND DRILL RECORD

HOLE No. BAF-74-11 CLAIM: DUO 4 PROPERTY: Goz Creek PAGE No. 6 of 12

SECTION	ALTERATION	MILT-HSDOMITE	FRACTURING	MINERAL	GEOLOGY	COMMENTS:	ESTIMATED % Fe SULFIDES	DRILLING INTERVAL	% CORE RECOVERED	SAMPLE INT #	% RECOVERY / SAMPLE INT.	ESTIMATED GRADE	ASSAYS			
													% Zn Total	% Zn Soluble (Zn(P2))	% Zn	% Zn (ZnS)
						Sample Tag Numbers: 14167-14176.										
						<b>DESCRIPTIVE GEOLOGY</b>										
						2670-2930 Altered Dolostone			55%	167	0	1.0	5.52	4.64	0.88	
						2930-3440 Silicified Dolostone Breccia		90		165	0	2.5	4.10	1.32	2.78	
						micro-fine crystalline, Hg matrix, dolomite frag, in a med-dn Hg crystalline dolomite matrix. locally the matrix appears stately partially, or even stately composed of Hg. fragments become less distinctly visible with increasing depth and mineralization towards the bottom of the section. frequently sph. is disintegrated quite heavily within the fragment as well as within the matrix. frequent Hg qtz blebs -pisolites.		3020	67%	169	67%	4.5	8.24	0.62	7.62	
						colloform sph. well defined by frag. in matrix frag. in matrix pisolite?		345	100%	31		20.0	18.80	1.15	17.65	
						predominantly y sph			101%	170	96%	30				
								130		3080		30.0	28.00	0.19	27.81	
						psolite?			77%	3150	99%	5.0				
						predominantly r. sph		3220	29%	172	62%	85.0	19.60	0.14	19.46	
						mineralization. yellow and red sphalerite, with disseminated thin matrix and fragments and as in live sections y. sph predominates fr. 213-315, r. sph from 315- 344. smthsonite disseminated locally along with the sphalerite.		330	72%	3300	94.5%	10.0	14.64	0.15	14.49	
								3370	92%	3360	100%	30.0	28.15	1.08	27.07	
						pisolites?			102%	44		.75	0.7	0.20	0.47	
						3440-4040 Intracrystalline Dolostone Fractured		3490	77%	175	102%	.75	0.7	0.20	0.47	

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SECTION		FRACTURING		MINERAL		GEOLOGY		COMMENTS:	
m + 150 ft		m + 150 ft		m + 150 ft		m + 150 ft		Sample Tag Numbers: 14176-14177 14324-14331	
Fractured		Fractured		Fractured		Fractured		Sample Tag Numbers: 14176-14177 14324-14331	
Inclusion Dolomite		Inclusion Dolomite		Inclusion Dolomite		Inclusion Dolomite		Sample Tag Numbers: 14176-14177 14324-14331	

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CORDILLERAN ENGINEERING LIMITED - DIAMOND DRILL RECORD

HOLE No. 2AF- 74-11 CLAIM: DUO 4 PROPERTY: Goz Creek PAGE No. 8 of 12

SECTION	Alteration	Smithsonite	Silicification	FRACTURING	MINERAL GEOLOGY	COMMENTS:	ESTIMATED % SULFIDES	DRILLING INTERVAL	% CORE RECOVERED	SAMPLE INT. D	% RECOVERY/ SAMPLE INT.	ESTIMATED ZnS GRADE	ASSAYS				
													% Zn Total	% Zn Soluble (ZnCO <sub>3</sub> )	% Zn (ZnS)	%	
						Sample Tag Numbers: 14331-14340											
						<b>DESCRIPTIVE GEOLOGY</b>											
						Pyrite in hairy silica frac.			94%	331 410	93%	1.50 .25	0.88	0.10	0.77		
						intraclastic dolo. with pyrite filled stylolites sprinkled dolo.		440					0.15	0.03	0.12		
						fractured micritic		420									
						strongly mineralized over short intervals		430	101%	333	101%	2.0 .25	1.40	0.07	1.33		
						intraclastic very intense hairy fracturing crushed minor ZnCO <sub>3</sub> in open frac.		430	92%	334 430	94%	.25 .50	0.42	0.19	0.23		
						intraclastic very intense hairy fracturing crushed minor ZnCO <sub>3</sub> in open frac.		440					2.15	0.73	1.42		
						intraclastic		440					0.63	0.45	0.18		
						intraclastic		450	75.5%	337	94%	<.25 <.25	0.15	0.05	0.10		
						intraclastic		450	90%	338 460	90%	<.25 .50	0.09	0.05	0.04		
						intraclastic with irregular blebs + streaks of silica highly crystalline very intensely pyritized		460	101%	339 460	99%	<.25 2.0	0.09	0.05	0.04		
								470					0.29	0.23	0.06		



CORDILLERAN ENGINEERING LIMITED - DIAMOND DRILL RECORD

COMMENTS:					ASSAYS											
Sample Tag Numbers : 14341-14344 																





CORDILLERAN ENGINEERING LIMITED - DIAMOND DRILL RECORD

HOLE No. BAF-74-11 CLAIM: DUO 4

PROPERTY: Gaz Creek

PAGE No. 12 of 12

SECTION		Alteration	Smithsonite	Silicification	Fracturing	Mineral	Geology	COMMENTS:
650							<div>DESCRIPTIVE GEOLOGY</div> <div>511.0-675.0 micritic Dolostone</div>	Sample Tag Number: 14459.
660							<div>Note sample 14459 was taken primarily for Co:Mg:SiO<sub>2</sub> ratio.</div>	
670							<div>V. fn. breccia 1"</div>	
675							End of BAF-74-11	