Specogna-Cons. Cinola 103F/9E 675877

Coffee Break - 3:00 CIM Distle Van act 1987

Paper No. 3 - 3:30

The Graham Island (Cinola) Deposit Revisited — Evidence for an Epithermal Hot-Spring-Type Gold Deposit.

R.S. TOLBERT, C. BALDYS, N.V. FROC and T.A. WATKINS, City Resources Canada Limited, Vancouver, British Columbia

The Graham Island (Cinola) gold deposit represents the exposed mid-upper levels of an epithermal hot-spring-type precious metal systems.

This interpretation is based on the results of the work conducted by City Resources (Canada) Limited during the period November 1986 through March 1987 City Resources geologists logged 9700 m of new core and cuttings from 30 diamond drillholes and 64 reverse circulation holes as well as relogging 27 900 m of existing core. Additionally, 340 m of the underground workings were remapped as well as 120 m of new crosscuts.

The deposit is characterized by intense pervasive silicification and argillic alteration, extending laterally away from an elongate zone of silica-flooded hydrothermal precciation, adjacent to a rhyolite intrusive sheet intruded along a major fault zone. This major fault spiay named the Footwall or Specogna fault is a right-lateral, normal fault downdropped to the east juxtaposing Cretaceous mudstones and argillites to the west, against Tertiary Miocene-Pliocene coarse to fine clastic sediments to the east.

Geologic studies currently underway are directed toward better understanding the hydrothermal system and alteration sequence as well as localization and characterization of the precious and other metals.

KH.

Notes on CIM Dist 6 Paper "the Graham Faland (Cinola) Deport

Revisited - Evidence for an Epitarmal Hot-Spring-Type

Good Deport"

RSTolbert, C. Baldys, N. V. Froc, TA Watkins

27,000 m draward drelling done in present program undergramed 300m in 1960 + 120m in 1986 (drept pure 2 crass-cuts)

Perenous 40.7 m+ of 1.6 g/t Av

lactudes 24.8 Mt apin pet are grading 2.11 g/t Au

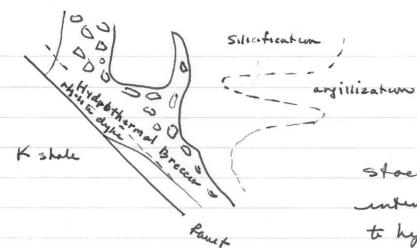
Total recoverable AU 1.7 Moz.

Mill capacity 6000 tpd.

Seeken	0000	Late Pertuary Skonun constan	monto (Pliocene)
		Sandy sedimentary breeze	
		Fine grained sediments	Miocene (?)
		mudflow breceio	partially 1: the field sedements
	000	confluerate	
	0000	boulder conflowerate	
		Cretaciona Harda shale	

About 5% carbonaciona material, wood in pure gramed sediments

Sondy sid. breisin reflect Pault scarp depositional environment? Hydrathermal rhysitic breces - intrudes thanks shale / sediment contact adjacent to a facet. Pymtic, vuggy 'worm rock'.



stockwork fracturing plus interne siliciteatern adjacent to hydrathernal brecein.

Wallrock clasts stoped into hydrath. bx.

Fluidized matrix and recrystallization of cloats.

Some argellete closts un fontwall.

Right latural movement related to movement on Sandepet Pavet. Seisme activity related to favet movement, epithirmal activity.

- (2) Silica senter detected in hole 8% mar sentare interpretation.

 Hyb grade gold minualization with HW stockwark zone,

 Hydrothermae breein feeled fault zone along scarp.

 Hot oping system caused senter. Near-surface system.

 Similar system seen in Papua New Guinea, Gordeagle I(2)

 Scarp, allieval fon, fault, hot springs, Av.
 - Champigny depth 1-1.8 km not appropriate. Drilling of 1500m of Skonun above conflowerte at East edge of bour. Side stid from E.
 - . Needs a careful plud inclusion othery of quantz, include fine ground silver if preside. Look for wideres of bailing.
 - 2. Identification of actuation minutes should be done on meropolar ie illite - kaslimte + scricte, alumte (?)