Cinola Prop.
103F/9

840495

Holes Cominco 72-1: 0.30 Au/20' } 0.25 Au → 200' × 100' × $\frac{20'}{10}$
" Cinola 77-5: 0.20 Au/20 }

= ± 40,000 tons @ 0.25 Au

Holes Cinola 77-9 0.27 Au/10' } 0.25 Au → 200' × 100' × $\frac{10}{10}$
77-12 0.23 Au/10 }

= ± 20,000 tons @ 0.25 Au

78-2 0.24 Au/20' } 0.22 Au → 200' × 100' × $\frac{20}{10}$
-3 0.20 Au/20' }

= 40,000 tons @ 0.22 Au

(A) → North Lens = ± 100,000 tons @ 0.238 Au/ton

Holes Cinola 78-6 0.86 Au/79' → 100 × 100 × $\frac{80}{10}$ = 80,000 tons @ 0.86 } 0.80
" 78-7 0.43 Au/13' → 100 × 100 × $\frac{13}{10}$ = 13,000 tons @ 0.43 }

South Lens ± 93,000 tons @ 0.80 Au/ton.

(A) + (B) A = 100,000 tons @ 0.24 Au
B = 100,000 " @ 0.80 Au

± 200,000 tons @ 0.52 Au = $ ± 125 ton

Upper "B" + 50,000 tons @ 0.24 Au = ± 60 ton

(± 250,000 tons @ 0.464 Au = ± $116 ton)

ie 150,000 tons @ 0.24 Au/ton
+ 100,000 " @ 0.80 Au/ton
250,000 " @ 0.46 Au/ton

J Boley

Comparision Gold & Uranium Metal.

Gold @ $250 oz.

0.10 oz SAW =	$25 /ton
0.15	$37.50
0.20	$50
0.25	$62.50
0.30	$75
0.35	$87.50
0.40	$100
0.45	$112.50
0.50	$125
0.55	$137.50
0.60	$150
0.65	162.50
0.70	$175
0.75	187.50
0.80	$200
0.85	212.50
0.90	$225
0.95	237.50
1.00	$250 /ton
2.00	$500 /ton
3.00	$1000 /ton

Uranium (lb) @ $50 lb = 0.05% U_3O_8.

0.5 lb =	0.025%	=	$25 /ton	0.035
	0.0375%	=	37.50	Rubble & waste
1 lb =	0.05%	=	$50 /ton	stockpile
	0.0625%		62.50	
1.5 lbs =	0.075%	=	$75 /ton	Rubble over $0.075
	0.0875%		87.50	
2 lbs =	0.10%	=	$100 /ton	
	0.1125%		112.50	
2.5 lbs =	0.125%	=	$125 /ton	
	0.1375%		137.50	
3 lbs =	0.15%	=	$150 /ton	
	0.1625%		162.50	
3.5 lbs =	0.175%	=	$175 /ton	
	0.1875%		187.50	
4.0 lbs =	0.20%	=	$200 /ton	
	0.2125%		212.50	
4.5 lbs =	0.225%	=	$225 /ton	
	0.2375%		237.50	
5.0 lbs	0.25%	=	250 /ton	
10 lbs =	0.50%	=	$500 /ton	
20 lbs	1.00%	=	$1000 /ton	

Silver

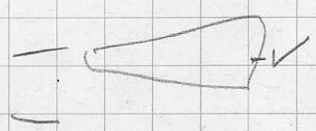
3.440.000 @ 0.18 Au @ $250 oz = $45.00 ton

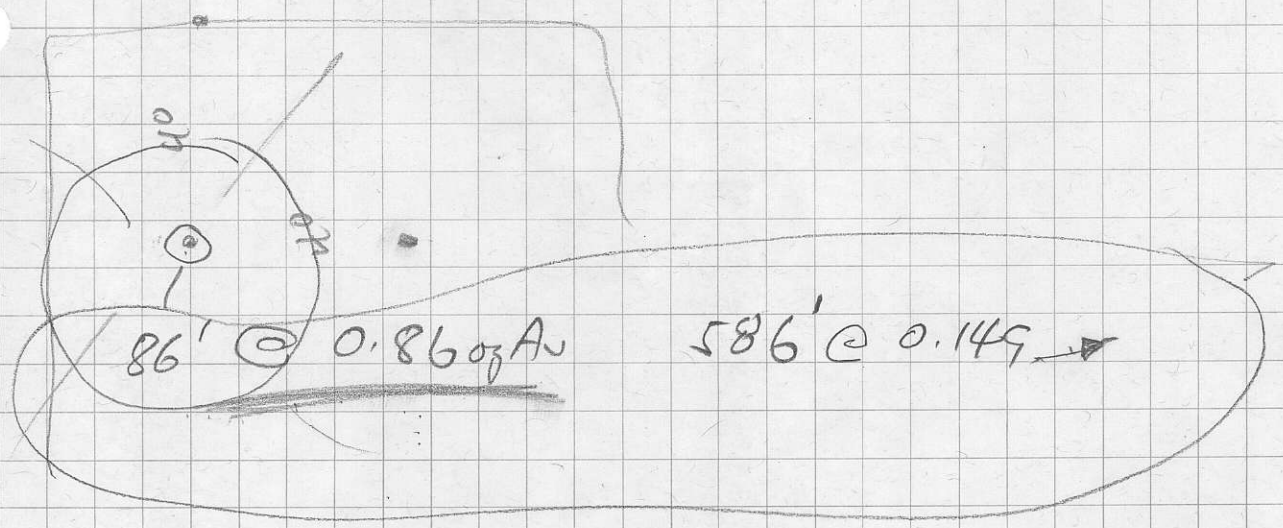
0.15 +

0.30 / 20' 0.15 – 20. / 80'

.15 72-1 75' @ 0.12 (20' @ 0.30 Au)

72-9 30' @ 0.18





Cinola

All meters.

78-1

	35-37m	.09
	37-39	.08
	39-41	.10
187'	57-59	.11
✓	59-61	.13
	61-63	.22
207'	63-65	.06
	65-67	.09

6m/(19.7') 0.153Au

78-2

	10-12	.10
	60-62	.11
(256')	78-82	.11
	80-82	.08
	82-84	.08
	84-86	.10
	86-88	.06
	88-90	.11
	90-92	.11
	92-94	.07
	94-96	.05
	96-98 2'	.11
✓	98-100 2'	.42
	100-102 2'	.18
(335')	102-104	.07
	104-106	.13

Total 78-102m 24m @ 0.123Au (78.7')

0.24 Au/6m (19.7')

78-3

	12-14	.10
	46-48	.11
(236')	72-74	.15
	74-76	.08
(249')	76-78	.15
	78-80	.24
(262')	80-82	.09
	82-84	.08
	84-86	.06
(282')	86-88	.17
	88-90	.09
(295')	90-92	.25
	92-94	.18
(315')	94-96	.18

72m-96m 0.143Au 24m/78.7'

0.195 Au/4m (13.2')

0.203 Au/6m (19.7')

78-4

(52')	16-18	.16
(65')	18-20	.23
	72-74	.14
	116-118	.11
	118-120	.08

0.195 Au/4m (13.2')

78-5

	6-8	.10
	126-128	.01
420'	128-130	.38
426'	130-132	.04

.38 Au/2m (6.5')

78-6

	0-2	.11
	2-4	.11
	4-6	.11
(19.6')		
(46')	14-16	.13
	16-18	.20
	18-20	.08
(72')	20-22	.12

0.11 Au/6m (19.6')

0.132 Au/8m (26.2')

	150-152	.051
(498.5')	152-154	.358
	154-156	.349
	156-158	1.760
	158-160	2.450
	160-162	.693
	162-164	.988
	164-166	.05
	166-168	.222
	168-170	.283
	170-172	.450
	172-174	2.490
(577.3')	174-176	.23
	176-178	.03
	178-180	.004

152-176 24m @ 0.864Au (78.7')

True width ± 60'?

End 180m

78-7

	0-2	.08
6.5'	2-4 13'	.10
(91.8')	28-30	.456
	30-32	.277
(111.5')	32-34	.154
(150.8')	46-48	.525
(164')	48-50	.351
(186)	56-58	.281
	58-60	.103
	60-62	.246
(203')		
(256')	78-80	.110
(295')	90-92	.297
(466')	142-144	.165
(584')	178-180	.140
(597')	180-182	.723

0.295 Au/6m (19.7')

0.454/13' 4m

0.185 Au/6m (19.7')

0.432 Au/4m (13.1')

End at 210m (689')

Cimola. All feet.

77-3	65-70	.09	
	70-75	.12	
	75-80	.11	0.137 Au / 20'
	80-85	.14	
	85-90	.18	
	90-95	.07	0.07 Au / 15' — 45'
	95-100	.08	0.108 Au / 45'
	100-105	.07	
	105-110	.11	0.11 Au / 10'
✓✓	110-115	.11	
	115-120	.08	

77-4	25-30	.10	
	105-110	.12	0.12 Au / 10'
✓✓	110-115	.12	
	180-185	.11	

77-5	70-75	.24	
	75-80	.18	0.195 Au / 20'
✓	80-85	.15	
	85-90	.21	
	90-95	.02	

77-7	10-15	.09	0.10 Au / 10'
	15-20	.11	

✓ 77-8	5-10	.12	0.12 Au / 10'
	10-15	.12	

✓ 77-9	75-80	.097	
	80-85	.09	
	85-90	.17	
	90-95	.19	
	95-100	.34	0.275 Au / 10' — 0.195 / 30'
	100-105	.24	
	105-110	.15	
	110-115	.11	

77-10	15-20	.12	
	20-25	.12	0.125 Au / 20'
	25-30	.14	
	30-35	.12	
	35-40	.09	0.086 / 15' — 0.108 Au / 50'
	40-45	.08	
	45-50	.09	
	50-55	.11	0.11 Au / 15'
✓	55-60	.12	
	60-65	.10	
	65-70	.09	
	85-90	.11	

77-11	5-10	.14	0.13 Au / 10'
	10-15	.12	0.11 Au / 20'
	15-20	.08	
	20-25	.10	
	60-65	.14	
	65-70	.08	0.106 Au / 25'
	70-75	.10	
	75-80	.11	
	80-85	.10	
	100-105	.18	0.15 Au / 10'
✓	105-110	.12	
	150-155	.10	0.10 Au / 10'
	155-160	.10	

77-12	5-10	.10	
	10-15	.03	
	15-20	.10	
	45-50	.11	0.175 Au / 10'
	50-55	.24	
	105-110	.11	
	110-115	.05	0.08 Au ✓ / 30'
	115-120	.11	
	-125	.07	
	-130	.11	
	-135	.07	
	-140	.16	0.143 Au ✓ / 15'
	-145	.12	
	-150	.15	0.08 Au ✓ / 10'
	-155	.09	
	-160	.07	
	-165	.17	0.17 Au ✓ / 15'
	-170	.12	
	-175	.22	0.06 Au ✓ / 10'
	-180	.09	
	-185	.06	
	-190	.12	0.193 / 15'
✓	-195	.15	
	-200	.31	0.23 Au / 10'

0.138 Au / 65'

0.14 Au / 95'

0.173 Au / 35'

77-13	20-25	.12	
	50-55	.17	
	55-60	.07	
	60-65	.09	
	65-70	.17	
	70-75	.12	
	75-80	.10	0.131 Au / 40'
	80-85	.14	
	85-90	.11	
	90-95	.17	
	95-100	.13	
	100-105	.11	

Cominco: All ft

Babe 72-1.	35 - 40	.08		
	40-45	.23 Au	5'	
	46-46	.49	1'	
	46-47	.59	1'	
	47 - 48.5	.97	1.5'	0.30 Au / 20'
	48.5 - 50	.08	1.5	
	50 - 55	.26	5	
	55 - 60	.18	5	
	60 - 65	.07		
72-2	64 - 65	.17		
	92 - 95	.10	-3'	0.106 Au / 7
	95 - 99	.11	-4	
	99 - 105	.07		
72-6	16 - 19	.18	3	0.18 Au / 5'
	19 - 21	.18		
72-7	4 - 10	.04		
	10 - 15	.16		0.135 Au / 10'
	15 - 20	.11		
	20 - 25	.07		

Quintana

PS-4	15-20	.10	5	0.146 Au / 15'
	20-25	.19	5'	
	25-30	.15	5	
PQ-4A	110-120	.16		0.13 Au / 20
	120-130	.10		
PQ-5	80-90	.12		0.123 Au / 30'
	90-100	.15		
	100 - 110	.10		
PQ-7	40-50	.11		0.103 Au / 30'
	50-60	.08		
	60-70	.12		
PQ 8	30-40	.12		0.13 Au / 20'
	40-50	.14		

Quintana

75-1	73-83	.14 Au		0.213 Au / 30'
	83-93	.24		
	93-103	.26		
	103-113	.025		
	113-123	.10	-10'	
	293-303	.11	-10'	
75-2)	357-367	.17	-10'	
	417-457	.50	-10'	
	489-497	.27	8'	0.175 Au / 18'
	497-507	.10	10'	

Kenna

K-2	3-5	.11	2'
	5-10	.04	
	10-15	.07	
	15-20	.11	5' 0.11 Au
	20-25	.08	
	55-60	.17	5'

Drill Holes - Cinola Mines

Kennco	1	-45°	81'	X
"	2	-90°	100'	

Cominco ✓	Bobel	-90°	177	✓
X	" 2	-90°	200	
X	" 3	-90°	210	
X	-4	-90	211	
X	5	-90	162	
X	6	-90	80	
X	7	-90	200	
X	8	-90	200	
X	9	-90	202	

Quintana	PS-1	-30°	50	
	2	"	54	} Massive
	3	"	35	
	4	"	47	X
	PQ-1	-45°	150	?✓?
	2	-45	90	
	3	-45°	90	X
	4	90°	70	
	4A		135	✓
	5	-45°	140	X
	6	-45°	60	X
	7	-45°	150	X
	8	-60°	80	X
Collar FW fault	9	-60°	110	
	10		90'	
	11		150	
	12		150	
	13	-45°	112	X
	14		100'	
	15		150	
	16		150	
✓	75-1	-45°	567'	✓
✓	75-2	-45°	600'	✓
X	75-3	-45°	245'	
	75-4	-90°	713'	
X	75-5	-45	229	

Cinola ✓	77-1	-90°	197 ft	
??✓	-2		192'	
??	-3		200'	
✓	-4		(±195) ??	
✓	-5		113'	
✓	-6		103'	
?	-7		146'	
✓	-8		79'	
✓	-9		200'	
✓	+10		200'	
? X	-11		200'	
??	-12		200'	
??	-13		200	

✓	78-1	129	meters	(423')
✓	-2	122		(400')
✓	-3	128		(420')
✓	-4	120		(394)
✓	-5	162		(531)
✓	-6	177		(581)
?✓	-7	± 210		(689')
✓	-8	no data		(supposed to have cut Fault zone)

✓ To fault zone

Prospecting disc 1970 E. Specogna.

Kenmo Report
(K.A. Grace) Feb 4/72

PR DeLancey Sept 1973
TGS. Geol + Discuss

Gold + Hg – extensive Hg anomaly, (Sb, As) v. low
Host tuffaceous V2Δ (minor conglom/shale), Hot springs
300 – 800 ASL
Quaternary – Recent
Tertiary – Eocene?
Masset Fm – V2
Cretaceous – Honna Fm – conglom, shale, arkose.
Haida Fm – Sdt, siltst, sh.
Dips to N-NE ±15° – Sandspit fault.

Host fracts + qtz-carb veinlets VG. py. Hg vuggy

Geochem 1500 samples
DDH-2 – Au. Hg 20ppm. – ~~50~~ 50 ppm Hg. high.
"Sinter"
(chalcedonic – vuggy 1-2%) limonite
Mineralizing pyrite/marcasite 1 < 10 – 100 microns
no positive proof for Au vis. in samples – Electroprobe – Too fine gr.

Quintana
MR Wolfhard Sept 75

Need for fire assaying + atomic absorption (Not AA by itself) Kenmo.
Quintana – Average polygon 800,000 tons 100' thick slab.
Cutoff 0.03 – grade 0.058 Au
50 mtons – 0.06 Au?

Tully @ $20 ft drill costs.

1971 Kenmo – 2 holes		55 meters.	Geol + geochem.	
72 Cominco – 9 "		500 "	–	
72 Canex		–	"	"
73 Sil Std		–	–	
74 Quintana.	4 pack 16 per	623 "	"	"
75 "	5	718	"	" metallurgy. Av. head assay 0.08 Au Recovery?

Gold in Masset volcs V2Δ, conglom with argillic alt. qtz veining carbonaceous material.
Hydrothermal activity + Tert. volcs + Sandspit fault.
NB → Best Au in V2Δ / HW of fault / above argillic seds.
→ py + marcasite around frags.
→ Silic dark V2Δ + wood frags.

Cinola
AF Roberts. (Oct 77)

1,340,000 tons @ 0.086 Au/ton. + 0.12 Ag.
MacMillan Bloedel timber property,
O Burden 0-15 ft → 150' to south east.
Minor ±5 ton Au shipments from Marino showing.

Recovery low 50-60%
Au 1 micron diameter
Roasting to 90%

Metallurgy — Quintana - cyanidation
chlorination etc.

High temp. roasting + cyanidation → 90% recovery.
More work required.

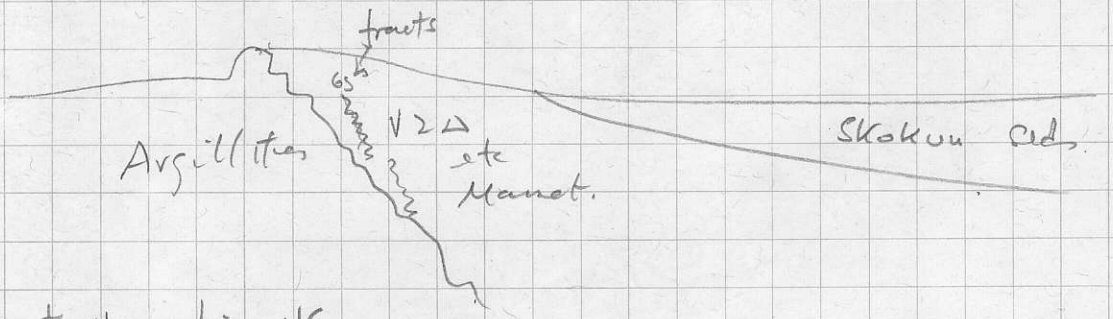
AF Roberts (Oct 78)

CH Seraphim Dec 78

Hole 78-6 from 146.3 to 178.7 meters.

	orig	RHS	
152m – 176m (24m)	0.864 oz	1.15 oz	Au

78-8 Dec 27/78
-7 Oct 28/78
-6 Sept 11/78
-5 July 29/78
-1 Mar 16/78



Abundant very fine VG.
with veinlets of qtz.

Metallurgy – (No roasting) Recovery 50%.
ie "Ore" 0.076 Au → 0.036 Au/ton
= $5.22/ton @ $145 oz Au.

cost at 4.42 ton.

Roasting
850°C ~~[illegible]~~ 1562°F – Rec. 90%. cost @ $7.45 for roasting.

ie. at low grade values of 0.076 oz/Au
Not economic (see above)

APPENDIX II

Conversion from % to ppmillion to ppbillion

1% → 10,000 ppmillion
0.1% → 1,000 ppm
0.01% → 100 ppm
0.001% → 10 ppm → 10,000 ppbillion.
1 ppm → 1,000 ppb
0.1 ppm → 100 ppb
0.01 ppm → 10 ppb

APPENDIX III

COMPARISON OF MERCURY WITH VARIOUS ORES.

Noranda District – Range: 250 — 1400 ppb

Nevada – Eureka – Range 1200 — 6000 ppb
" – Proche – " 250 — 450 ppb
Utah – Lark – " 800 – 1100 ppb
– Tintic – " 250 – 400 ppb

Ireland – Tynagh – Range 1500 – 6500 ppb +
Silvermines " 200 – 400 ppb

Minas Basin – Walton Range 260 – 4400 ppb
– Smithfield " 100 – 19,000 ppb.