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185 Concession Street, Postal Bag 4300, Lakefield, Ontario, KOL 2H0

Facsimile No. (705) 652-6365

Telephone No. (705) 652-3341

To:	GODFREY MCDONALD	Company:	CURRAGH
From:	Doug Newman	Fax No:	416-363-17332
Date:	March 16, 1992	Reference:	4237

This transmission consists of 2 pages including this one.

Dear Godfrey:

0.25 g/t Au.

Attached is a gold distribution from Project 4237 - Test 16 products (low grade quartzite ore). Calculated head is 0.25%. Fourth cleaner and 1st cleaner + 1st cleaner scavenger recoveries are 20 and 32% respectively.

Best regards,

D. Newman, P. Eng.,
Project Manager

Test No. 16 Gold Balance

Product	Weight		Assays, g/t Au	% Dist'n Au
	g	%		
1 Pb 4th Cleaner Conc	30.6	1.55	3.33	20.4
2 Pb 4th Cleaner Tail	8.0	0.40	1.34	2.1
3 Pb 3rd Cleaner Tail	9.3	0.47	1.16	2.2
4 Pb 2nd Cleaner Tail	32.2	1.63	0.83	5.4
5 Pb 1st CI Scav Conc	18.5	0.94	0.48	1.8
6 Pb 1st CI Scav Tail	119.4	6.04	0.34	8.1
7 Pb Rougher Tail	1759.6	88.98	0.17	60.0
Head Calc.	1977.6	100.00	0.25	100.0

Combined Products

Products 1-2 (Pb 3rd CI Conc)	1.95	2.9	22.6
Products 1-3 (Pb 2nd CI Conc)	2.42	2.6	24.7
Products 1-4 (Pb 1st CI Conc)	4.05	1.9	30.1
Products 1-5 (Pb 1st+CI Scav Concs)	4.99	1.6	31.9
Products 1-6 (Pb Rougher Conc)	11.02	0.9	40.0
Products 6-7 (Zn Rougher Feed)	95.01	0.18	68.1

LAKEFIELD RESEARCH

Test No.: 4237 Project No.: 17 Date: February 17 1992 Operator: _____

Purpose: Flotation of a composite of Composites G-3A and quartzite cl ore (1:1)

Procedure: _____

Feed: 2000 grams of minus 10 mesh G-3A and quartzite cl composite

Grind: 40 minutes at 65% solids in a laboratory ball mill

Conditions: _____

	REAGENTS ADDED, GRAMS PER TONNE					TIME, MINUTES			pH
	Ca(OH) ₂	SD200 Cyanide	AB17 5418A	MIBC		GRIND	COND.	FROTH	
Grind	700	200	8			40			
Pb Rougher			30	25			1	3	8.9
			12	5			1	2.5	
Regrind 1	150	150	8	20		30			
Pb 1st Cleaner 1						30		3	9.3
2			5	10			1	0.5	
Pb 1st Cleaner 2			2.5	5					
Pb Regrind 2	50	50	5	10		15			
Pb 2nd Cleaner								2	
			2.5	2.5				1	
Pb 3rd Cleaner		20						3	
Pb 4th Cleaner		20						3	

Stage				Pb Conc 78 wet g
Flotation Cell				
Speed: r.p.m.				Pb Conc Tail - 2 306 g wet
% Solids				sample 21.4 g wet
% - mesh				

LAKEFIELD RESEARCH

Test No.: 4237 Project No.: L7 Date: _____ Operator: _____

Purpose: _____

Procedure: _____

Feed: _____

Grind: _____

Conditions: _____

	REAGENTS ADDED, GRAMS PER TONNE						TIME, MINUTES			
	Ca(OH) ₂	CaSO ₄	A 743	DF 1012	SD 200		GRIND	COND.	FROTH	pH
Zinc Circuit										
Condition	2000									11.8
Condition		1000								11.5
Zn Rougher 1			35	7.0					3	
2			20	2.5					1.5	
3										
Zn Conc Regrind (PH)	1000	100			100		30			
HI Condition			20	2.5				15		
Zn 1st Cleaner									2.5	11.9
Zn 1st Cleaner Seed			7.5	2.5					1.5	
Zn 2nd Cleaner	200								2.5	11.8
Zn 3rd Cleaner	200								1.5	11.8
Zn 4th Cleaner	200								1.7	11.9

Stage									Zn Conc 145 w at 9
Flotation Cell									
Speed: r.p.m.									
% Solids									
% - mesh									

Test No. 17

Product	Weight		Assays,%		% Distribution	
	g	%	Pb	Zn	Pb	Zn
1. Pb Cl. Conc.	61.8	9.11	65.3	5.68	70.7	2.8
2. Pb 4th Cl. Tail	13.9	0.70	37.4	14.7	9.1	1.7
3. Pb 3rd Cl. Tail	26.1	1.31	18.8	17.7	8.6	3.8
4. Pb 2nd Cl. Tail	49.3	2.48	3.23	18.8	2.8	7.5
5. Pb 1st Cl.Sc Conc	36.5	1.84	1.83	15.8	1.2	4.7
6a. Pb 1st Cl Sc Tail (to Zn Ro)	216.8	10.92	0.51	11.3	1.9	19.9
6b. Pb 1st Cl Sc Tail (Sample)	16.3	0.82	0.51	11.3	0.1	1.5
7. Zn Cl Conc	126.0	6.35	0.77	58	1.7	59.3
8. Zn 4th Cl-Tail	4.0	0.20	1.46	31	0.1	1.0
9. Zn 3rd Cl Tail	6.8	0.34	1.39	28	0.2	1.5
10. Zn 2nd Cl Tail	10.4	0.52	1.17	14.6	0.2	1.2
11. Zn 1st Cl Sc Conc	15.9	0.80	1.08	9.47	0.3	1.2
12. Zn 1st Cl Sc Tail	134.4	6.77	0.38	1.74	0.9	1.9
13. Zn Ro Tail	1483.6	74.74	0.16	0.98	4.2	11.8
Head Calc.	1985.0	100.00	2.88	6.21	100.0	100.0

Combined Products

Products 1+2 (Pb 3rd Cl Conc)	3.81	60.2	7.34	79.8	4.5
Products 1-3 (Pb 2nd Cl Conc)	5.13	49.6	9.99	88.4	8.3
Products 1-4 (Pb 1st Cl Conc)	7.61	34.4	12.87	91.2	15.8
Products 1-5 (Pb 1st Cl + Cl Scav Concs)	9.45	28.1	13.44	92.3	20.5
Products 1-6 (Pb Ro Conc)	21.19	12.8	12.25	94.4	41.8
Pb Ro Tail	78.81	0.20	4.58	5.6	58.2
Products 6a-6b (Pb 1st Cl Scav Tail)	11.74	0.51	11.30	2.1	21.4
Products 7-13 (Zn Ro Feed)	89.73	0.24	5.40	7.5	78.0
Products 7-8 (Zn 3rd Cl Conc)	6.55	0.79	57.2	1.8	60.3
Products 7-9 (Zn 2nd Cl Conc)	6.89	0.82	55.7	2.0	61.9
Products 7-10 (Zn 1st Cl Conc)	7.42	0.85	52.8	2.2	63.1
Products 7-10 (Zn 1st Cl+Cl Scav Concs)	8.22	0.87	48.6	2.5	64.3
Products 7-12 (Zn Ro Conc)	14.99	0.65	27.4	3.4	66.2
Products 12+13 (Zn Tails)	81.51	0.18	1.04	5.1	13.7
Products 6a +12 +13 (Comb Tails)	82.33	0.18	1.15	5.2	15.2