— OLD 1

– NEW 2

– CORR. C

001469

$t_1 \times g_1 + (t_2 - t_1) g_c = t_2 \times g_2$

JANUARY CORRECTION

WASTE		ORE							
CALC. ADV.	TONNES	C.A.	TONNES	Pb	Zn	Ag	H.W.T's	F.W.T's	ORE T's
647.4	10,358	115.5	t_1 2335	g_1 5.03	7.51	53	354.1 18.6%	78.9 4.1%	1902
0	0	+ 3.0	+ 395.4	1.648	5.71	170.4	−229.4	+16.4	+608.4
647.4	10,358	118.5	t_2 = 2730.4	g_2 4.54	7.25	70	124.7 5.0%	95.3 3.8%	2510.4

$$g_{c_{Pb}} = \frac{g_2 t_2 - g_1 t_1}{t_2 - t_1} = \frac{(.0454)(2730.4) - (0.0503)(2335)}{(2730 - 2335)} = 0.01648 = 1.648\ \%\ Pb$$

$$g_{Zn} = \frac{(0.0725)(2730.4) - (0.0751)(2335)}{(395.4)} = 0.0571 = 5.71\ \%\ Zn$$

$$g_{c_{Ag}} = \frac{(70)(2730.4) - (53)(2335)}{(395.4)} = 170.4\ g/\text{tonne}\ Ag$$

OR

$$t_o g_o + (t_2 - t_1) g_c = g_2 t_c$$

metal start + metal lost = metal final

$\frac{124.7}{354.1} < .5$

OLD 1

NEW 2

CORR

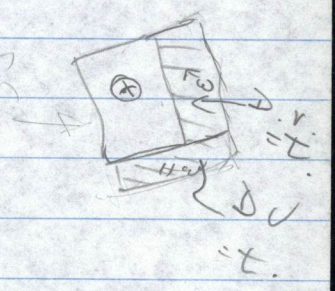
FEBRUARY CORRECTION

	WASTE		ORE						
CLG. ADV.	TONNES	C.A.	TONNES	Pb	Zn	Ag	H.W.T's	F.W.T's	ORE T's
121.8	2166	843.5	18148	4.28	6.74	50	882.6 (6%)	2592.9 (17.7%)	14672.5
-0.9	-71.0	+122.8	+2247.8	4.19	13.55	86.3	-555.2	-849.4	+3652.4
119.9	2095.0	966.3	20395.8	4.27	7.49	54	327.4 (1.8%)	~~1773.5~~ (9.5%)	18324.9

$$\text{grade}_{cPb} = \frac{g_2t_2 - g_1t_1}{t_2 - t_1} = \frac{(4.27)(20395.8) - (4.28)(18148)}{2247.8} = 4.189\ \%\ Pb$$

$$g_{cZn} = \frac{(7.49)(20395.8) - (6.74)(18148)}{2247.8} = 13.55\ \%\ Zn$$

$$g_{cAg} = \frac{(54)(20395.8) - (50)(18148)}{2247.8} = 86.3\ g/\text{tonne}\ Ag$$



OLD 1
NEW 2
CORR C

MARCH S.G. CORRECTION

	WASTE		ORE							
CALC ADV		TONNES	CA.	TONNES	Pb	Zn	Ag	HWT's	FWT's	ORE T's
302.7		4973	1006.2	18425	3.50	5.93	41	1582.2	4622.8	12220
-6.7		-52.1	+314.4	1700	5.39	9.36	230	-321.4	+98.8	+1922.6
296		4920.9	1320.6	20125.0	3.66	6.22	57	1260.8 (8.9%)	4721.6 (33.4%)	14142.6

$$g_{Pb} = \frac{g_2 t_2 - g_1 t_1}{t_2 - t_1} = \frac{(3.66)(20125.0) - (3.50)(18425)}{1700} = 5.39\ \%\ Pb$$

$$g_{Zn} = \frac{(6.22)(20125) - (5.93)(18425)}{1700} = 9.36\ \%\ Zn$$

$$g_{Ag} = \frac{(57)(20125) - (41)(18425)}{1700} = 230\ g/tonne\ Ag.$$