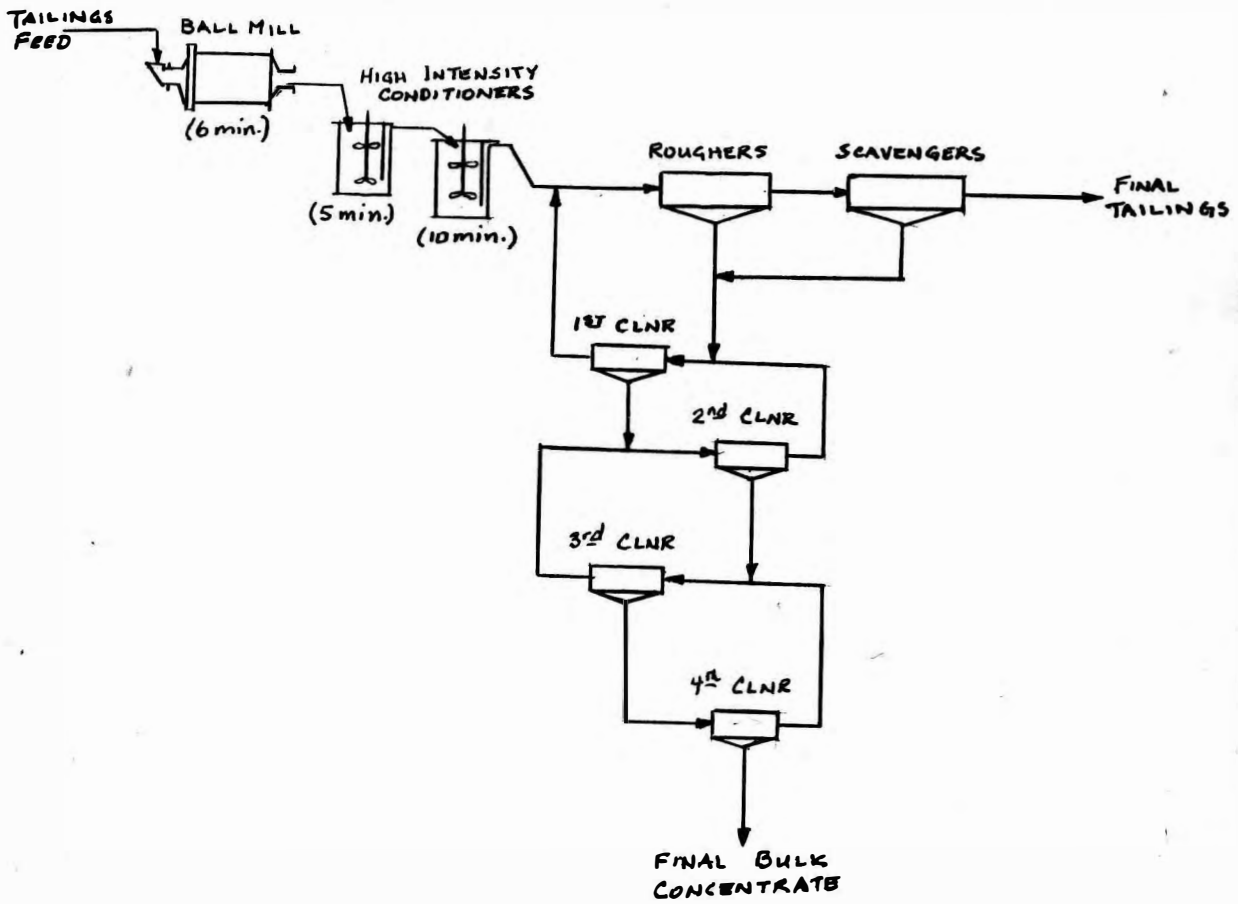
GRUM
006479

TRANSPARENCIES

① Tailing Reprocessing Flowsheet
② Grum Pb Circuit Flowsheet
③ Grum Zn Circuit Flowsheet
④ Faro Hill Flowsheet for Dy Presentation
⑤ Multi element Faro Pb Conc (1993)
⑥ " " " Zn Conc (1993)
⑦ " " " Pb Conc (1994)
⑧ " " " Zn Conc (1994)

CURRAGH INC – FARO DIV.
DOWN VALLEY TAILINGS REPROCESSING



FARO DIVISION
LEAD CONCENTRATE SPECIFICATIONS
MULTI-ELEMENT ANALYSIS

ELEMENTS	(SYMBOL)	UNITS	1993 ANALYSIS
Lead	(Pb)	%	61 - 66
Zinc	(Zn)	%	5 - 8.5
Copper	(Cu)	%	0.23 - 0.6
Iron	(Fe)	%	4 - 6
Nickel	(Ni)	%	<0.003
Bismuth	(Bi)	ppm	<16
Cadmium	(Cd)	%	0.02 - 0.015
Cobalt	(Co)	%	<0.005
Chromium	(Cr)	%	<0.01
Arsenic	(As)	%	0.07 - 0.26
Antimony	(Sb)	%	0.06 - 0.25
Tin	(Sn)	%	<0.003
Fluorine	(F)	%	0.01 - 0.04
Chlorine	(Cl)	%	<0.03
Sulphur	(S)	%	17 - 19
Mercury	(Hg)	ppm	44 - 61
Silver	(Ag)	g/t	700 - 900
Gold	(Au)	g/t	6 - 15
Selenium	(Se)	%	0.001 - 0.01
Tellurium	(Te)	ppm	<6
Barium	(Ba)	%	0.2 - 0.5
Germanium	(Ge)	%	<0.001
Carbon	(C)	%	0.5 - 1.5
Silica	(SiO_2)	%	0.08 - 1.65
Magnesium	(MgO)	%	0.012 - 0.4
Calcium	(CaO)	%	0.1 - 0.14
Insol	(Acid Ins.)	%	1.1 - 2.8
Manganese	(Mn)	%	0.008 - 0.04
Aluminum	(Al_2O_3)	%	0.01 - 0.23

FARO DIVISION
ZINC CONCENTRATE SPECIFICATIONS
MULTI-ELEMENT ANALYSIS

ELEMENTS	(SYMBOL)	UNITS	1993 ANALYSIS
Lead	(Pb)	%	1.6 - 2.5
Zinc	(Zn)	%	51 -53
Copper	(Cu)	%	0.43 - 0.59
Iron	(Fe)	%	9.0 - 10.0
Nickel	(Ni)	%	<0.004
Bismuth	(Bi)	ppm	10
Cadmium	(Cd)	%	0.06 - 0.07
Cobalt	(Co)	%	<0.004
Chromium	(Cr)	%	<0.01
Arsenic	(As)	%	0.03 - 0.06
Antimony	(Sb)	%	0.0003 - 0.012
Tin	(Sn)	%	0.01
Fluorine	(F)	%	0.01
Chlorine	(Cl)	%	0.003 - 0.011
Sulphur	(S)	%	30 - 34
Mercury	(Hg)	ppm	265 - 410
Silver	(Ag)	g/t	53 - 700
Gold	(Au)	g/t	0.39 - 0.52
Selenium	(Se)	%	<0.006
Tellurium	(Te)	ppm	<0.0007
Barium	(Ba)	%	0.2 - 0.5
Germanium	(Ge)	%	<0.001
Carbon	(C)	%	0.19 -0.42
Silica	(SiO_2)	%	0.9 - 1.8
Magnesium	(MgO)	%	0.08 - 0.23
Calcium	(CaO)	%	0.14 - 0.32
Insol	(Acid Ins.)	%	1.1 - 2.6
Manganese	(Mn)	%	0.12 - 0.15
Aluminum	(Al_2O_3)	%	0.13 - 0.28

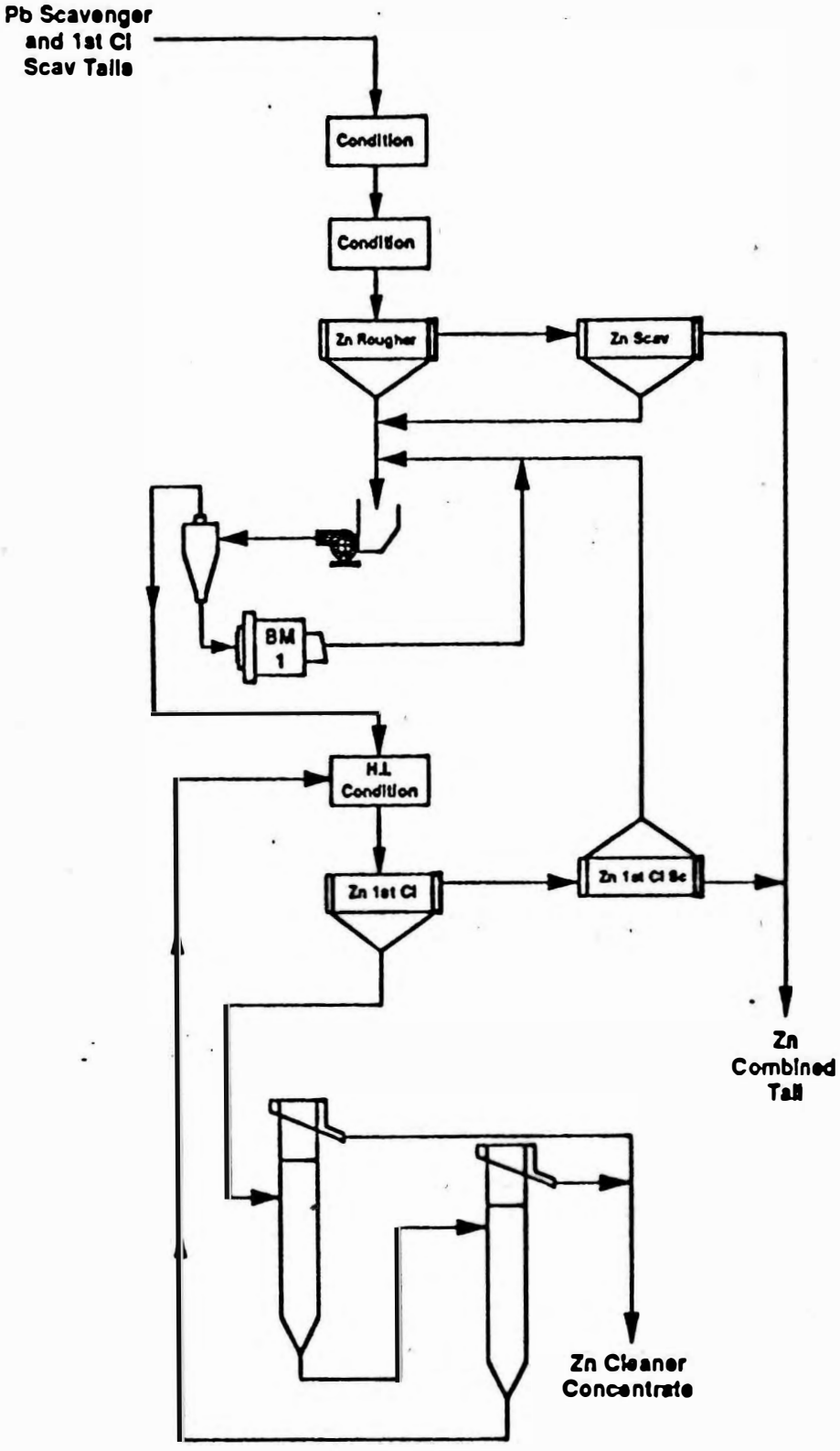
FARO DIVISION
LEAD CONCENTRATE SPECIFICATIONS
MULTI-ELEMENT ANALYSIS

ELEMENTS	(SYMBOL)	UNITS	1994 ANALYSIS
Lead	(Pb)	%	62 - 67
Zinc	(Zn)	%	5 - 7.5
Copper	(Cu)	%	0.17 - 0.5
Iron	(Fe)	%	4 - 5
Nickel	(Ni)	%	<0.003
Bismuth	(Bi)	ppm	1 - 12
Cadmium	(Cd)	%	0.12 - 0.016
Cobalt	(Co)	%	<0.003
Chromium	(Cr)	%	<0.005
Arsenic	(As)	%	0.10 - 0.22
Antimony	(Sb)	%	0.03 - 0.25
Tin	(Sn)	%	<0.003
Fluorine	(F)	%	0.01 - 0.03
Chlorine	(Cl)	%	<0.03
Sulphur	(S)	%	17 - 19
Mercury	(Hg)	ppm	48 - 67
Silver	(Ag)	g/t	800 - 900
Gold	(Au)	g/t	6 - 15
Selenium	(Se)	%	0.001 - 0.01
Tellurium	(Te)	ppm	<6
Barium	(Ba)	%	0.2 - 0.5
Germanium	(Ge)	%	<0.001
Carbon	(C)	%	0.3 - 1.2
Silica	(SiO_2)	%	0.5 - 1.5
Magnesium	(MgO)	%	0.004 - 0.3
Calcium	(CaO)	%	0.1 - 0.14
Insol	(Acid Ins.)	%	0.6 - 2.3
Manganese	(Mn)	%	0.07 - 0.02
Aluminum	(Al_2O_3)	%	0.08 - 0.16

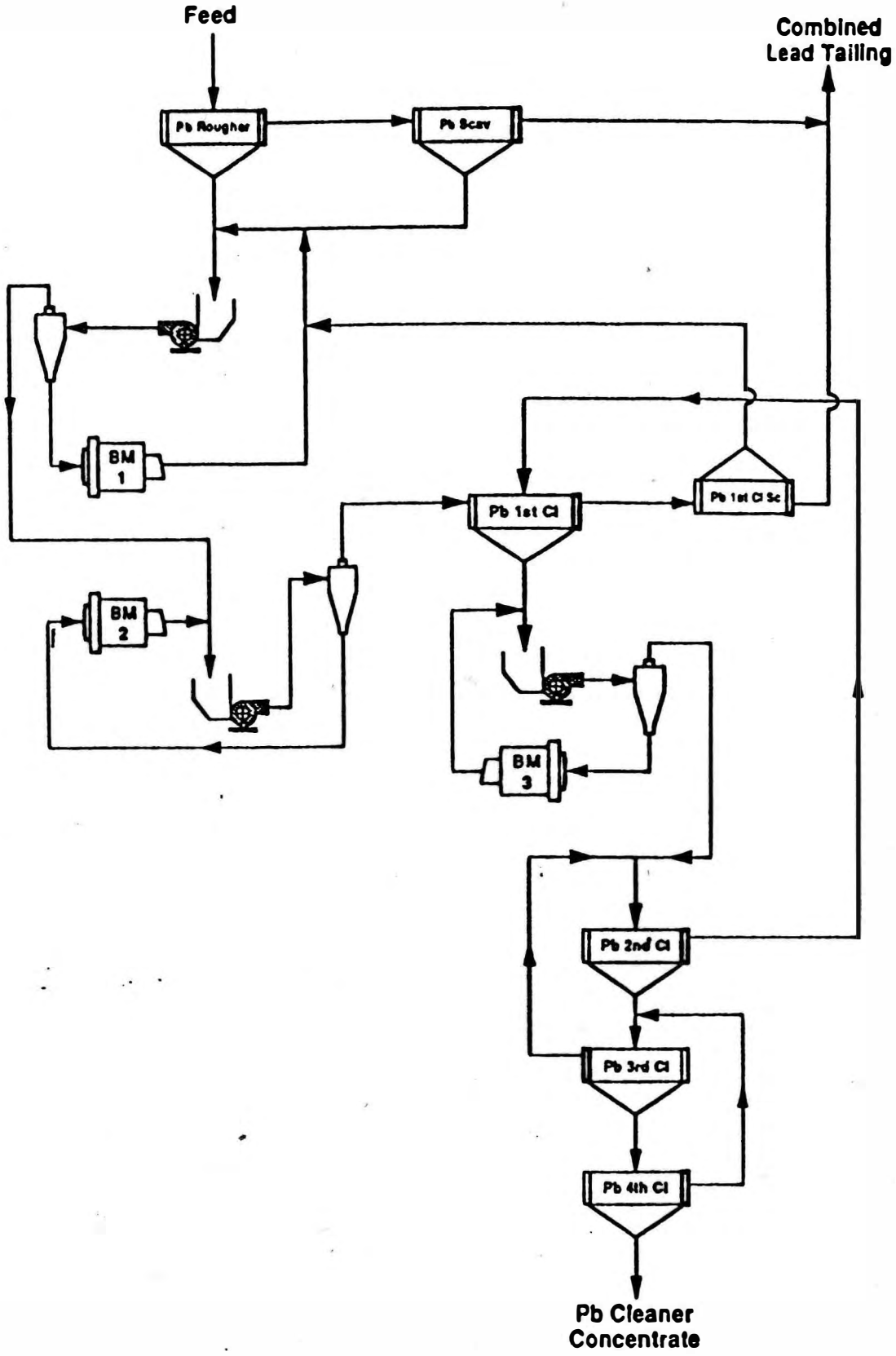
FARO DIVISION
ZINC CONCENTRATE SPECIFICATIONS
MULTI-ELEMENT ANALYSIS

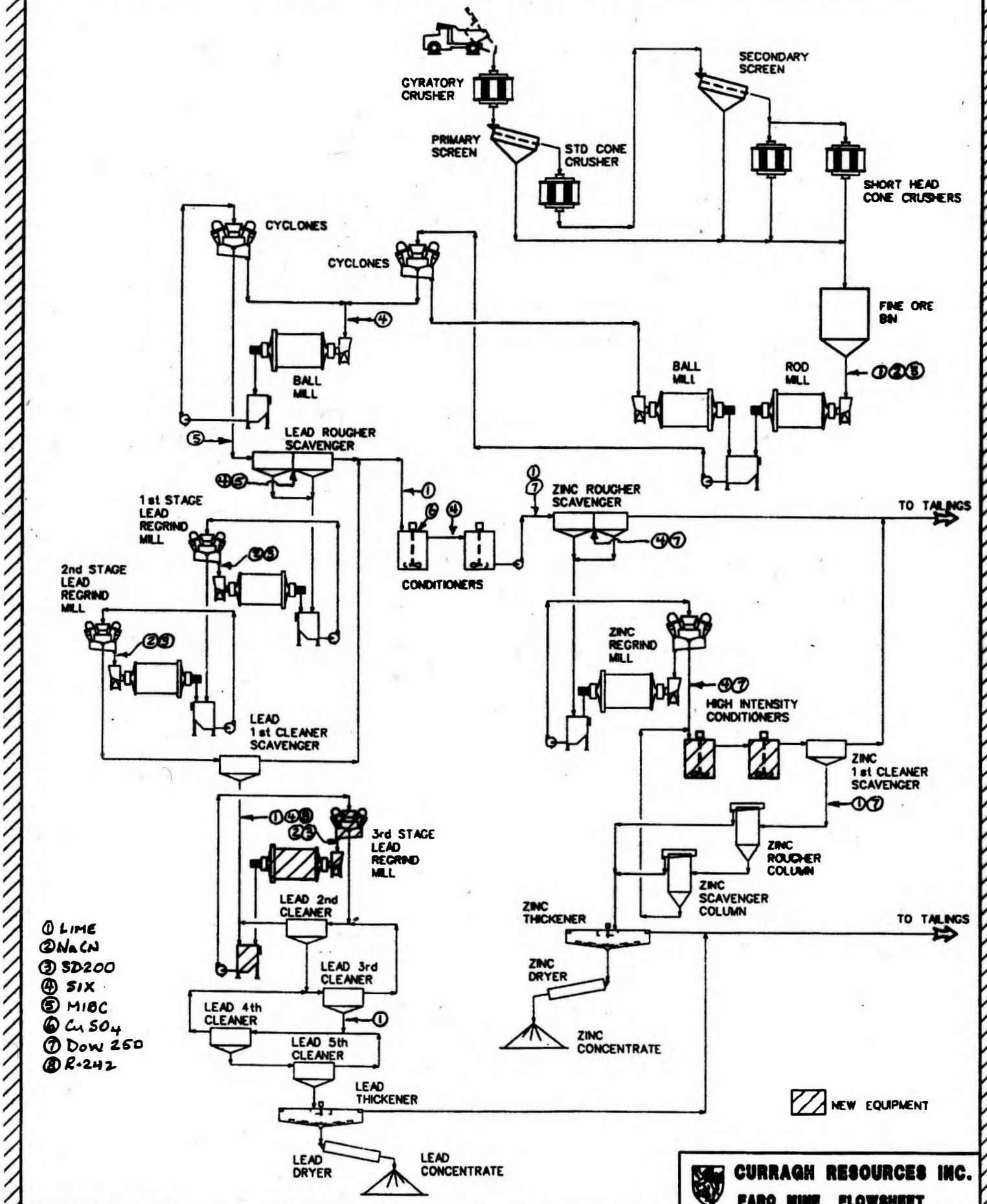
ELEMENTS	(SYMBOL)	UNITS	1994 ANALYSIS
Lead	(Pb)	%	0.86 - 1.9
Zinc	(Zn)	%	53 - 56
Copper	(Cu)	%	0.34 - 0.53
Iron	(Fe)	%	7.8 - 9.2
Nickel	(Ni)	%	<0.003
Bismuth	(Bi)	ppm	10
Cadmium	(Cd)	%	0.06 - 0.07
Cobalt	(Co)	%	<0.003
Chromium	(Cr)	%	<0.01
Arsenic	(As)	%	0.05 - 0.09
Antimony	(Sb)	%	0.0003 - 0.012
Tin	(Sn)	%	0.01
Fluorine	(F)	%	0.02
Chlorine	(Cl)	%	0.003 - 0.011
Sulphur	(S)	%	29 - 34
Mercury	(Hg)	ppm	315 - 525
Silver	(Ag)	g/t	48 - 65
Gold	(Au)	g/t	0.4 - 0.59
Selenium	(Se)	%	<0.002
Tellurium	(Te)	%	<0.0004
Barium	(Ba)	%	0.2 - 0.5
Germanium	(Ge)	%	0.0008
Carbon	(C)	%	0.19 - 0.42
Silica	(SiO_2)	%	1.0 - 1.9
Magnesium	(MgO)	%	0.02 - 0.32
Calcium	(CaO)	%	0.13 - 0.40
Insol	(Acid Ins.)	%	1.1 -2.6
Manganese	(Mn)	%	0.06 - 0.08
Aluminum	(Al_2O_3)	%	0.15 - 0.28

Zinc Circuit



Lead Circuit




GYRATORY CRUSHER
PRIMARY SCREEN
STD CONE CRUSHER
SECONDARY SCREEN
SHORT HEAD CONE CRUSHERS
FINE ORE BIN
CYCLONES
CYCLONES
BALL MILL
BALL MILL
ROD MILL
LEAD ROUGHER SCAVENGER
1st STAGE LEAD REGRIND MILL
2nd STAGE LEAD REGRIND MILL
CONDITIONERS
ZINC ROUGHER SCAVENGER
TO TAILINGS
ZINC REGRIND MILL
HIGH INTENSITY CONDITIONERS
LEAD 1st CLEANER SCAVENGER
ZINC 1st CLEANER SCAVENGER
3rd STAGE LEAD REGRIND MILL
ZINC ROUGHER COLUMN
ZINC SCAVENGER COLUMN
LEAD 2nd CLEANER
ZINC THICKENER
TO TAILINGS
LEAD 3rd CLEANER
ZINC DRYER
LEAD 4th CLEANER
LEAD 5th CLEANER
ZINC CONCENTRATE
LEAD THICKENER
NEW EQUIPMENT
LEAD DRYER
LEAD CONCENTRATE
① LIME
② NaCN
③ SD200
④ SIX
⑤ MIBC
⑥ CuSO4
⑦ Dow 250
⑧ R-242
CURRAGH RESOURCES INC.
FARO MINE FLOWSHEET