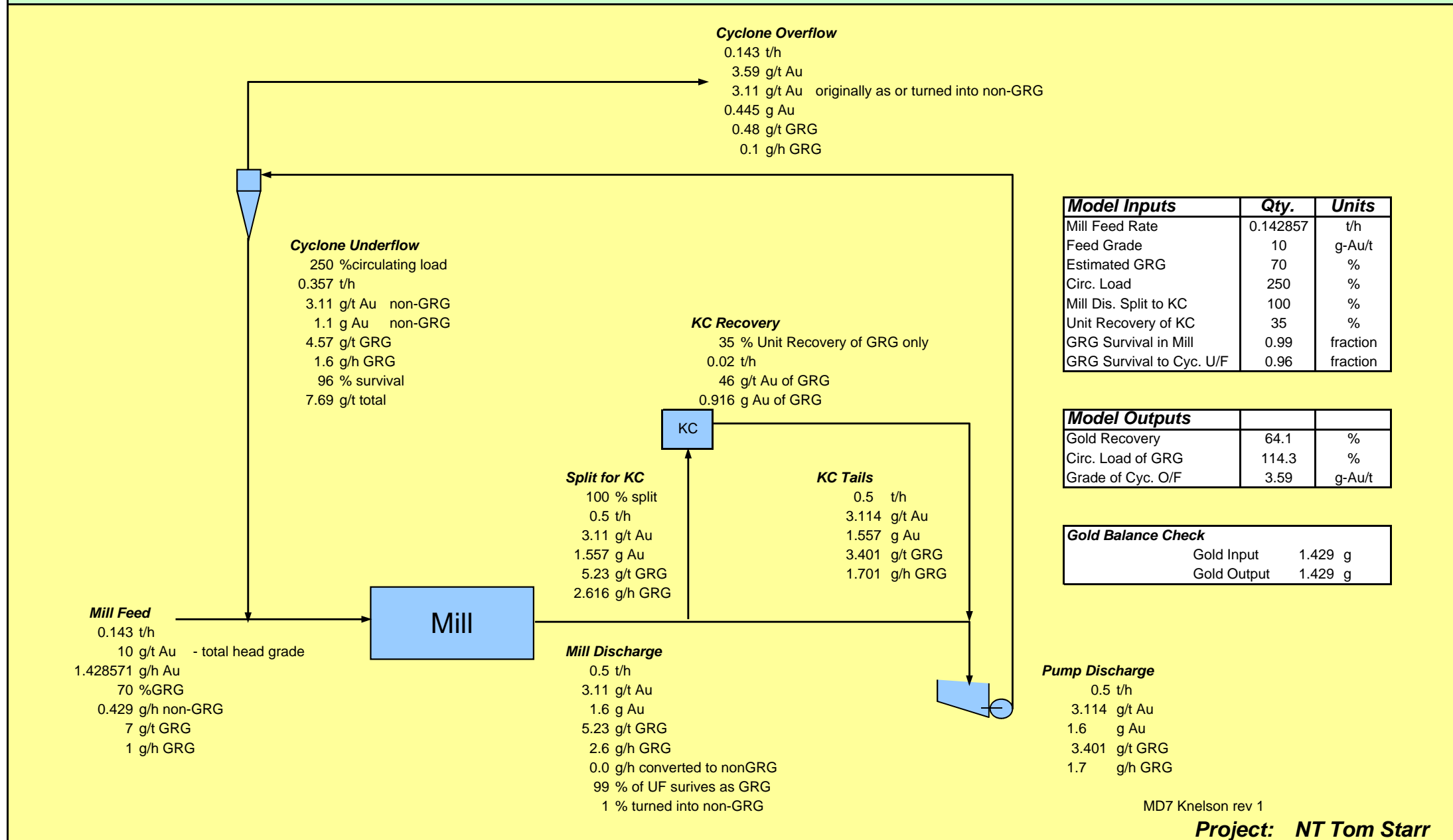


Mathematical Modelling - Mill Circuit Balance for Gold Recoveries & GRG Circulating Loads



Model Inputs	Qty.	Units
Mill Feed Rate	0.142857	t/h
Feed Grade	10	g-Au/t
Estimated GRG	70	%
Circ. Load	250	%
Mill Dis. Split to KC	100	%
Unit Recovery of KC	35	%
GRG Survival in Mill	0.99	fraction
GRG Survival to Cyc. U/F	0.96	fraction

Model Outputs	Qty.	Units
Gold Recovery	64.1	%
Circ. Load of GRG	114.3	%
Grade of Cyc. O/F	3.59	g-Au/t

Gold Balance Check		
Gold Input	1.429	g
Gold Output	1.429	g

MD7 Knelson rev 1

Project: NT Tom Starr