Phase I Input Evaluation for Mine Site GoldSim Model

Description	Workplan Table 1-1		GoldSim Internal Check (lookup tables, model values, cpfs)		GoldSim Output Table		Comments
	Value	Units	Value	Units	Value	Units	
TimeConst_Stream2		cfs				gpm	Units don't match
SW_Conc_PMP(Tl)	0.0006				0.000286		Values don't match
Pump_limit_EP	1700	gpm			5000	gpm	Values don't match
Pump_limit_CP	500	gpm			5000	gpm	Values don't match
Pump_limit_WP	3000	gpm			5000	gpm	Values don't match
Figure 1-1 West Pit max volume vs elevation	3600 @ 1575		3800 @ 1600				Figure 1-1 does not show max values found in model lookup table. Better described as pit water volume versus water-level elevation.
Mean_Bare_Infiltration	not listed		13.52	in/yr	not listed		Need to be added to Table 1-1 and Output Table
Mean_Reclaim_Infilt	not listed		6.07	in/yr	not listed		Need to be added to Table 1-1 and Output Table
Streamflow_SW006_(month)	Table 1-19				not listed		Need to be added to Output Table
WP_Max_Area		ft^2				acres	Output table should be ft^2
Natural_RO_Annual			Not in model				Input not used in model. Should be removed from Table 1-1.
GW_Conc_Surf	pending						Need input values
GW_Conc_Bed	pending						Need input values
GW_Conc_RO	pending						Need input values
EP_Elev_to_Volume		acre-ft					Table 1-1 should show units as ft^3
EP_Elev_to_PlanArea		acre					Table 1-1 should show units as ft^2
Hardness_Coefficients		[--]		mg/L			Model incorrectly reads in values as mg/L; should be dimensionless
CP_Elev_to_Volume		acre-ft					Table 1-1 should show units as ft^3
CP_Elev_to_PlanArea		acre					Table 1-1 should show units as ft^2
EPCP_Elev_to_Volume		acre-ft					Table 1-1 should show units as ft^3
EPCP_Elev_to_PlanArea		acre					Table 1-1 should show units as ft^2
EPCP_Elev_to_Sulfur		ft^2					Table 1-1 should show units as %
WP_Elev_to_Volume		acre-ft					Table 1-1 should show units as ft^3
WP_Elev_to_PlanArea		acre					Table 1-1 should show units as ft^2
WP_Max_Area		ft^2				acres	Output table should have units of ft^2
WP_Elev_to_Sulfur		ft^2					Table 1-1 should show units as %
K							Better described as *K_Flowpaths*
Kd_Surficial		[--]		L/Kg			Table 1-1 should show units as L/Kg
General		ton		tonm			Nomenclature is equivalent; "tonm" in GoldSim stands for "ton mass"
RO_Conc_Random							GoldSim container incorrectly labeled
Figure 1-2; all curves			Lookup table				Lookup table has fluctating values at large elevations (near 1600 ft); need to edit lookup table
Table 1-9b; East Pit and Central Pit	Constant values		Constant values		Constant values		Time-series values in Table 1-9b are inconsistent with Table 1-1 and GoldSim output table.