

DCF MODEL - KEY INPUTS		UNIT	Total	(2)	(1)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24						
<b>Material Moved</b>																																			
Resources Mined - Gunnison Pit	Mtons	600.4	-	2.6	27.2	23.2	28.2	36.0	34.3	33.3	32.7	36.3	40.0	36.0	22.2	16.4	18.4	37.8	34.0	39.5	38.6	40.0	23.7	-	-	-	-	-	-	-	-	-	-		
Resources Mined - Strong & Harris Pit	Mtons	41.0	-	-	-	-	-	-	-	-	-	-	-	-	13.3	14.1	13.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Resources Mined - Total	Mtons	641.5	-	2.6	27.2	23.2	28.2	36.0	34.3	33.3	32.7	36.3	40.0	36.0	35.5	30.5	32.0	37.8	34.0	39.5	38.6	40.0	23.7	-	-	-	-	-	-	-	-	-	-	-	
Waste Mined - Alluvial/Gravel	Mtons	1,007.1	95.0	96.3	71.1	64.1	65.9	60.3	68.9	55.3	54.9	47.3	0.1	72.4	76.4	52.7	24.7	0.6	59.9	38.0	3.2	-	-	-	-	-	-	-	-	-	-	-	-	-	
Waste Mined - Limestone	Mtons	132.8	-	-	0.3	0.1	0.5	1.3	2.2	11.5	7.3	2.5	0.1	0.1	3.3	14.5	24.7	28.9	4.7	6.0	16.1	8.6	0.0	-	-	-	-	-	-	-	-	-	-	-	
Waste Mined - Other	Mtons	500.9	-	1.1	1.4	12.6	5.5	7.4	4.5	19.8	25.1	33.9	79.8	11.5	4.8	22.3	38.6	52.8	21.5	36.5	62.0	58.1	1.9	-	-	-	-	-	-	-	-	-	-	-	
Total Material Moved	Mtons	2,282.2	95.0	100.0	100.0	100.0	105.0	110.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	106.6	25.6	-	-	-	-	-	-	-	-	-	-		
Resources - Grade Mined - Total Cu	%	0.37	-	0.30	0.44	0.52	0.45	0.36	0.37	0.38	0.38	0.35	0.34	0.36	0.37	0.43	0.43	0.33	0.37	0.32	0.28	0.27	0.31	-	-	-	-	-	-	-	-	-	-	-	
<b>Strip Ratio</b>																																			
Strip Ratio - Gunnison Pit	X:X	2.47	-	37.28	2.67	3.32	2.55	1.92	2.20	2.60	2.67	2.31	2.00	2.33	0.53	1.09	4.35	2.06	2.53	2.04	2.11	1.67	0.08	-	-	-	-	-	-	-	-	-	-	-	
Strip Ratio - Strong & Harris Pit	X:X	3.81	-	-	-	-	-	-	-	-	-	-	-	-	5.44	5.07	0.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Strip Ratio - Total	X:X	2.56	-	37.28	2.67	3.32	2.55	1.92	2.20	2.60	2.67	2.31	2.00	2.33	2.38	2.93	2.75	2.18	2.53	2.04	2.11	1.67	0.08	-	-	-	-	-	-	-	-	-	-	-	
<b>Copper Plant - Oxide Material</b>																																			
Gunnison Pit - Material Stacked	Mtons	418.7	-	1.8	19.2	17.8	24.2	27.6	26.6	25.1	24.4	29.8	37.5	28.2	15.1	8.8	10.9	17.3	17.6	18.4	16.1	37.0	15.4	-	-	-	-	-	-	-	-	-	-	-	
Gunnison Pit - Grade - Acid Sol Cu	%	0.32	-	-	0.33	0.47	0.55	0.40	0.35	0.36	0.38	0.39	0.33	0.26	0.25	0.26	0.26	0.22	0.30	0.39	0.25	0.16	0.19	0.22	-	-	-	-	-	-	-	-	-	-	
Gunnison Pit - Grade - Cyanide Sol Cu	%	0.00	-	-	-	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	
Gunnison Pit - Grade - Sulfide Cu	%	0.00	-	-	-	0.00	0.00	0.01	0.01	0.00	0.01	0.01	0.01	0.00	0.00	0.00	0.00	-	0.00	0.00	0.00	0.00	0.00	-	0.00	-	-	-	-	-	-	-	-	-	
Gunnison Pit - Grade - Total Cu	%	0.42	-	-	0.44	0.60	0.68	0.52	0.46	0.47	0.50	0.51	0.43	0.36	0.35	0.35	0.36	0.29	0.40	0.51	0.34	0.22	0.27	0.30	-	-	-	-	-	-	-	-	-	-	
Strong & H Pit - Material Stacked	Mtons	22.2	-	-	-	-	-	-	-	-	-	-	-	-	8.0	7.7	6.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Strong & H Pit - Grade - Acid Sol Cu	%	0.57	-	-	-	-	-	-	-	-	-	-	-	-	0.42	0.58	0.74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Strong & H Pit - Grade - Cyanide Sol Cu	%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Strong & H Pit - Grade - Sulfide Cu	%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Strong & H Pit - Grade - Total Cu	%	0.85	-	-	-	-	-	-	-	-	-	-	-	-	0.62	0.83	1.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total - Material Stacked	Mtons	440.9	-	1.8	19.2	17.8	24.2	27.6	26.6	25.1	24.4	29.8	37.5	28.2	23.1	16.4	17.4	17.3	17.6	18.4	16.1	37.0	15.4	-	-	-	-	-	-	-	-	-	-	-	-
Total - Grade - Acid Soluble Cu	%	0.33	-	0.33	0.47	0.55	0.40	0.35	0.36	0.38	0.39	0.33	0.26	0.25	0.32	0.41	0.41	0.30	0.39	0.25	0.16	0.19	0.22	-	-	-	-	-	-	-	-	-	-	-	-
Total - Grade - Cyanide Soluble Cu	%	0.00	-	-	-	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	
Total - Grade - Sulfide Cu	%	0.00	-	-	0.00	0.00	0.01	0.01	0.00	0.01	0.01	0.01	0.00	0.00	0.00	0.00	-	0.00	0.00	0.00	0.00	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	
Total - Grade - Total Cu	%	0.44	-	0.44	0.60	0.68	0.52	0.46	0.47	0.50	0.51	0.43	0.36	0.35	0.45	0.58	0.61	0.40	0.51	0.34	0.22	0.27	0.30	-	-	-	-	-	-	-	-	-	-	-	
Recovery - Acid Soluble Cu	%	90.2	-	-	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	91.1	91.5	91.5	90.0	90.0	90.0	90.0	90.0	-	-	-	-	-	-	-	-	-	-	-	
Recovery - Cyanide Soluble Cu	%	90.0	-	-	-	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	-	-	-	-	-	-	-	-	-	-	-	
Recovery - Sulfide Cu	%	10.0	-	-	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	-	10.0	10.0	10.0	10.0	10.0	-	-	-	-	-	-	-	-	-	-	-	
Recovery - Total Cu	%	67.2	-	-	66.1	68.7	68.8	67.7	69.1	70.1	70.4	68.6	65.0	67.4	65.9	65.0	60.9	69.6	67.8	68.2	72.4	59.1	68.9	-	-	-	-	-	-	-	-	-	-	-	-
Cathode Produced - Acid Soluble Cu	Mlbs	2,617.7	-	-	158.9	166.8	175.0	174.8	174.5	172.0	172.0	174.5	172.6	131.8	136.1	124.4	131.8	96.8	122.9	86.2	52.2	117.6	64.5	9.3	3.1	-	-	-	-	-	-	-	-	-	
Cathode Produced - Cyanide Soluble Cu	Mlbs	13.7	-	-	-	0.1	0.1	0.5	0.6	3.3	3.0	0.5	1.6	0.4	0.7	0.2	0.3	1.1	0.1	0.3	0.3	0.6	0.0	-	-	-	-	-	-	-	-	-	-	-	
Cathode Produced - Sulfide Cu	Mlbs	3.3	-	-	0.0	0.1	0.2	0.3	0.2	0.5	0.6	0.6	0.4	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	
Cathode Produced - Total	Mlbs	2,634.6	-	-	158.9	167.0	175.3	175.6	175.3	175.8	175.6	175.6	174.5	132.3	136.9	124.6	132.1	98.0	123.0	86.5	52.5	118.2	64.5	9.3	3.1	-	-	-	-	-	-	-	-	-	
Acid Consumption	Mtons	12.7	-	0.1	0.6	0.6	0.7	0.9	0.8	0.8	0.8	0.9	0.9	0.6	0.7	0.5	0.6	0.6	0.6	0.5	0.3	0.8	0.4	0.1	0.0	-	-	-	-	-	-	-	-	-	
Acid Consumption	lb/ton	60.8	-	67.3	66.0	63.3	55.0	62.3	63.8	67.6	68.2	59.0	48.0	43.3	86.4	115.3	107.5	69.8	70.3	52.9	43.0	42.0	47.8	-	-	-	-	-	-	-	-	-	-	-	
Material Sorter - Tons Sorted to Waste	Mtons	97.7	-	0.9	8.0	5.4	4.0	8.4	7.8	8.2	8.3	6.5	2.5	0.1	5.3	5.1	7.2	7.6	7.3	2.5	0.6	1.4	0.6	-	-	-	-	-	-	-	-	-	-	-	

<sup>1</sup>Total recovery calculated as copper cathode produced divided by copper contained in ore stacked in period (i.e. includes impact of 36 month copper recovery curve)

<sup>2</sup>Total copper grade is the sum of acid soluble copper + cyanide soluble copper plus sulfide copper plus unrecoverable copper (not shown)