

Table 1: Column Test and Bottle Roll Results, Liberty Gold Bulk Samples and Historical Data

KCA Sample No.	Type	Deposit Area	Coarse Bottle Roll			Fine Bottle Roll				Column Test		
			Feed Target P ₈₀ 1,700µm*			Feed Target P ₈₀ 75µm*				Actual Feed P ₈₀ (mm)	Calculated Head Grade (ppm Au)	Gold Extracted (%)
			Actual P ₈₀ (µm)	Calculated Head Grade (ppm Au)	Direct Leach Gold Extracted (%)	Actual P ₈₀ (µm)	Calculated Head Grade (ppm Au)	Direct Leach Gold Extracted (%)	Carbon in Leach Gold Extracted (%)			
Liberty Gold 2019 Bulk Samples												
87201B	Bulk Sample	A Pit	1,960	1.17	74.6	97	1.08	76.0	79.6	58.6	1.16	79.8
87202B	Bulk Sample	Tallman Pit	1,640	2.25	79.5	88	2.15	78.9	86.0	74.4	2.00	79.7
87203B	Bulk Sample	B Extension Pit	1,520	3.74	90.1	104	3.73	91.3	93.3	55.9	3.38	92.8
87204B	Bulk Sample	F Zone Target	1,480	0.78	79.3	102	0.79	80.7	82.5	51.3	0.80	78.2
87205B	Bulk Sample	CD Pit	1,580	0.25	64.5	114	0.22	64.6	76.6	71.9	0.23	76.8
87206B	Bulk Sample	I Pit	1,740	2.66	66.7	107	2.67	74.8	79.3	56.1	2.68	60.9
Noranda 1988 Bulk Samples & Core Samples						Target P ₈₀ (µm)						
8593	Bulk Sample	Tallman Pit	N/A	N/A	N/A	75	4.59	83.6	N/A	53.4	4.18	80.3
8593	Bulk Sample	Tallman Pit								20.9	4.56	82.0
8594	Bulk Sample	B Pit	N/A	N/A	N/A	75	10.9	86.6	N/A	58.8	10.08	86.4
8594	Bulk Sample	B Pit								22.7	10.35	87.7
8648	Bulk Sample	B Pit	N/A	N/A	N/A	75	1.18	78.3	N/A	67.7	1.17	67.6
8648	Bulk Sample	B Pit								22.9	1.10	75.0
8814	Core BP-87-58C	B Pit	N/A	N/A	N/A	75	1.68	85.7	N/A	32.3	1.75	82.4
8814	Core BP-87-58C	B Pit								10.8	1.68	87.8
8840	Core BP-87-73C	B Pit	N/A	N/A	N/A	75	4.66	87.5	N/A	31.6	4.73	71.0
8840	Core BP-87-73C	B Pit								9.8	4.70	75.9
9208	Core BP-87-6/7	Tallman Pit	N/A	N/A	N/A	75	2.01	88.9	N/A	26.6	2.02	84.7
9208	Core BP-87-6/7	Tallman Pit								8.6	2.02	91.5
9210	Core BP-87-93C	A Pit	N/A	N/A	N/A	75	1.58	78.3	N/A	31.6	1.54	75.6
9210	Core BP-87-93C	A Pit								10.1	1.41	73.2
9210	Core BP-87-93C	A Pit								10.1	1.54	77.8
9211	Core BP-87-102C	A Pit	N/A	N/A	N/A	75	1.10	50.0**	N/A	32.7	1.03	50.0**
9211	Core BP-87-102C	A Pit								9.4	1.03	53.3**

*Target P₈₀ is achieved when 80% of the feed passes through a mesh with the given opening size. Actual laboratory conditions may vary, and the actual feed size is shown in the table.

**The low gold extraction in this Noranda sample is believed to be due to the presence of organic carbon.