

**Cordex Project
Report of Metallurgical Test Work
June 2014**

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1.0 Sample Receipt and Preparation

On 23 April 2014, Mr. Andy Wallace delivered to the laboratory facility of Kappes, Cassidy & Associates (KCA) in Reno, Nevada two (2) rice bags containing fourteen (14) separate samples from the Cordex Project. The received material was described as reverse circulation drill samples. Gold and silver assays for each sample were provided by the client.

Upon receipt, each sample was assigned a unique sample number, weighed and briefly described. Sample preparation was then conducted to provide material for head analyses and bottle roll leach test work.

A description of the received material is presented in Table 1-1.

**Table 1-1.
Cordex Project
Sample Receipt**

KCA Sample No.	Drill Hole	Interval	Au Assay, ppm	Ag Assay, ppm	Received Weight, kilograms
70901	ES-13	125-130	2.275	8.8	3.05
70902	ES-13	230-235	1.042	4.8	5.99
70903	ES-14	360-365	3.686	22.9	2.21
70904	ES-14	465-470	0.601	1.2	5.65
70905	ES-19	740-745	3.795	68	5.00
70906	ES-20	480-485	6.722	61	5.21
70907	ES-21	560-565	1.780	2.1	2.99
70908	ES-25	165-170	0.342	2.4	5.65
70909	ES-26	285-290	11.300	17	2.86
70910	ES-27	70-75	1.299	4.0	5.09
70911	ES-27	550-555	1.440	8	2.76
70912	ES-32	965-970	3.260	99.3	2.89
70913	ES-33	600-605	1.600	14	3.11
70914	ES-36	735-740	0.993	34	2.89

Note - Assays provided by the client.

A brief description of each separate sample is presented as follows:

ES-13, 125-130 (KCA Sample No. 70901); Rec'd Wt.: 3.05 kg

The sample identified as ES-13, 125-130 (KCA Sample No. 70901), consisted of one small cloth bag of material. The material ranged in size from 12.5 millimeters to fines less than 1.70 millimeters. The fines made up approximately 80% of the sample. Overall, the sample was pink in color. The rocks were hard to break. No sulfide or organic material was visible.

ES-13, 230-235 (KCA Sample No. 70902); Rec'd Wt.: 5.99 kg

The sample identified as ES-13, 230-235 (KCA Sample No. 70902), consisted of one small cloth bag of material. The material ranged in size from 19 millimeters to fines less than 1.70 millimeters. The fines made up approximately 50% of the sample. Overall, the sample was pinkish brown in color. The rocks were hard to break. No sulfide or organic material was visible.

ES-14, 360-365 (KCA Sample No. 70903); Rec'd Wt.: 2.21 kg

The sample identified as ES-14, 360-365 (KCA Sample No. 70903), consisted of one small cloth bag of material. The material ranged in size from 19 millimeters to fines less than 1.70 millimeters with clumps of fines up to 50 millimeters in size that broke apart easily. The fines made up approximately 60% of the sample. Overall, the sample was pinkish brown in color. The rocks were hard to break. No sulfide or organic material was visible.

ES-14, 465-470 (KCA Sample No. 70904); Rec'd Wt.: 5.65 kg

The sample identified as ES-14, 465-470 (KCA Sample No. 70904), consisted of one small cloth bag of material. The material ranged in size from 12.5 millimeters to fines less than 1.70 millimeters with clumps of fines up to 100 millimeters in size that broke apart easily. The fines made up approximately 60% of the sample. Overall, the sample was brown in color. The rocks were hard to break. No sulfide or organic material was visible.

ES-19, 740-745 (KCA Sample No. 70905); Rec'd Wt.: 5.00 kg

The sample identified as ES-19, 740-745 (KCA Sample No. 70905), consisted of one small cloth bag of material. The material ranged in size from 19 millimeters to fines less than 1.70 millimeters with clumps of fines up to 12.5 millimeters in size that broke apart easily. The fines made up approximately 85% of the sample. Overall, the sample was pink in color. The rocks were hard to break. No sulfide or organic material was visible.

ES-20, 480-485 (KCA Sample No. 70906); Rec'd Wt.: 5.21 kg

The sample identified as ES-20, 480-485 (KCA Sample No. 70906), consisted of one small cloth bag of material. The material ranged in size from 19 millimeters to fines less than 1.70 millimeters with clumps of fines up to 75 millimeters in size that broke apart easily. The fines made up approximately 40% of the sample. Overall, the sample was dark brown in color. The rocks were hard to break. No sulfide or organic material was visible.

ES-21, 560-565 (KCA Sample No. 70907); Rec'd Wt.: 2.99 kg

The sample identified as ES-21, 560-565 (KCA Sample No. 70907), consisted of one small cloth bag of material. The material ranged in size from 12.5 millimeters to fines less than 1.70 millimeters with clumps of fines up to 75 millimeters in size that broke apart easily. The fines made up approximately 70% of the sample. Overall, the sample was pinkish tan in color. The rocks were hard to break. No sulfide or organic material was visible.

ES-25, 165-170 (KCA Sample No. 70908); Rec'd Wt.: 5.65 kg

The sample identified as ES-25, 165-170 (KCA Sample No. 70908), consisted of one small cloth bag of material. The material ranged in size from 12.5 millimeters to fines less than 1.70 millimeters. The fines made up approximately 40% of the sample. Overall, the sample was pink in color. The rocks were hard to break. No sulfide or organic material was visible.

ES-26, 285-290 (KCA Sample No. 70909); Rec'd Wt.: 2.86 kg

The sample identified as ES-26, 285-290 (KCA Sample No. 70909), consisted of one small cloth bag of material. The material ranged in size from 12.5 millimeters to fines less than 1.70 millimeters with clumps of fines up to 25 millimeters in size that broke apart easily. The fines made up approximately 80% of the sample. Overall, the sample was pinkish red in color. The rocks were hard to break. No sulfide or organic material was visible.

ES-27, 70-75 (KCA Sample No. 70910); Rec'd Wt.: 5.09 kg

The sample identified as ES-27, 70-75 (KCA Sample No. 70910), consisted of one small cloth bag of material. The material ranged in size from 19 millimeters to fines less than 1.70 millimeters. The fines made up approximately 20% of the sample. Overall, the sample was red and grey in color. The rocks were hard to break. No sulfide or organic material was visible.

ES-27, 550-555 (KCA Sample No. 70911); Rec'd Wt.: 2.76 kg

The sample identified as ES-27, 550-555 (KCA Sample No. 70911), consisted of one small cloth bag of material. The material ranged in size from 9.5 millimeters to fines less than 1.70 millimeters with clumps of fines up to 37.5 millimeters in size that broke apart easily. The fines made up approximately 80% of the sample. Overall, the sample was pinkish orange in color. The rocks were hard to break. No sulfide or organic material was visible.

ES-32, 965-970 (KCA Sample No. 70912); Rec'd Wt.: 2.89 kg

The sample identified as ES-32, 965-970 (KCA Sample No. 70912), consisted of one small cloth bag of material. The material ranged in size from 9.5 millimeters to fines less than 1.70 millimeters. The fines made up approximately 80% of the sample. Overall, the sample was red and grey in color. The rocks were hard to break. No sulfide or organic material was visible.

ES-33, 600-605 (KCA Sample No. 70913); Rec'd Wt.: 3.11 kg

The sample identified as ES-33, 600-605 (KCA Sample No. 70913), consisted of one small cloth bag of material. The material ranged in size from 9.5 millimeters to fines less than 1.70 millimeters. The fines made up approximately 80% of the sample. Overall, the sample was pinkish brown in color. The rocks were hard to break. No sulfide or organic material was visible.

ES-36, 735-740 (KCA Sample No. 70914); Rec'd Wt.: 2.89 kg

The sample identified as ES-36, 735-740 (KCA Sample No. 70914), consisted of one small cloth bag of material. The material ranged in size from 9.5 millimeters to fines less than 1.70 millimeters with clumps of fines up to 75 millimeters in size that broke apart easily. The fines made up approximately 90% of the sample. Overall, the sample was orange brown in color. The rocks were hard to break. No sulfide or organic material was visible.

Each separate sample was prepared individually but identically as follows:

1. A 1,500 gram portion of as-received material was split out and utilized for a bottle roll leach test. Note that for the sample identified as ES-14, 360-365, (KCA Sample No. 70903) a 1,000 gram portion of as-received material was split out and utilized for a bottle roll leach test.
2. A 1,000 gram portion of material was split out and ring and puck pulverized to a target size of 80% passing 200 mesh Tyler. The pulverized material was utilized for a bottle roll leach test.

3. Depending upon the received weight of each individual sample, two (2) 100 gram portions or two (2) 200 gram portions of material were split out and individually ring and puck pulverized to a target size of 80% passing 200 mesh Tyler. The pulverized portions were then utilized for head analyses.
4. The remaining material was stored.

The weights of the sample portions utilized for the test program are presented in Table 1-2.

Table 1-2.
Cordex Project
Test Program Weights

KCA Sample No.	Drill Hole	Interval	Weight Received, kilograms	As-Rec'd BRT, grams	Pulverized BRT, grams	Head Assay X2, grams
70901	ES-13	125-130	3.05	1500	1000	100
70902	ES-13	230-235	5.99	1500	1000	200
70903	ES-14	360-365	2.21	1000	1000	100
70904	ES-14	465-470	5.65	1500	1000	200
70905	ES-19	740-745	5.00	1500	1000	200
70906	ES-20	480-485	5.21	1500	1000	200
70907	ES-21	560-565	2.99	1500	1000	100
70908	ES-25	165-170	5.65	1500	1000	200
70909	ES-26	285-290	2.86	1500	1000	100
70910	ES-27	70-75	5.09	1500	1000	200
70911	ES-27	550-555	2.76	1500	1000	100
70912	ES-32	965-970	2.89	1500	1000	100
70913	ES-33	600-605	3.11	1500	1000	100
70914	ES-36	735-740	2.89	1500	1000	100

2.0 Head Analyses for Gold and Silver

Head analyses for gold and silver were conducted on the sample material.

Depending upon the received weight of each individual sample, duplicate 100 gram or duplicate 200 gram splits were made. Each portion was then ring and puck pulverized, individually, to a target size of 80% passing 200 mesh Tyler.

Gold content was determined using standard fire assay methods with flame atomic absorption spectrophotometric (FAAS) finish. Silver content was determined using wet chemistry methods (4-acid digestion) with FAAS finish.

The results of the head analyses for gold and silver are presented in Tables 2-1.

Table 2-1.
Cordex Project
Head Analyses – Gold and Silver

KCA Sample No.	Drill Hole	Interval	Assay 1, oz Au/st	Assay 2, oz Au/st	Average Assay, oz Au/st
70901	ES-13	125-130	0.0542	0.0531	0.0536
70902	ES-13	230-235	0.0201	0.0207	0.0204
70903	ES-14	360-365	0.0962	0.0980	0.0971
70904	ES-14	465-470	0.0176	0.0178	0.0177
70905	ES-19	740-745	0.0590	0.0977	0.0783
70906	ES-20	480-485	0.1850	0.1880	0.1865
70907	ES-21	560-565	0.0286	0.0297	0.0292
70908	ES-25	165-170	0.0209	0.0206	0.0208
70909	ES-26	285-290	0.4035	0.4075	0.4055
70910	ES-27	70-75	0.0440	0.0459	0.0449
70911	ES-27	550-555	0.0533	0.0519	0.0526
70912	ES-32	965-970	0.0958	0.0937	0.0948
70913	ES-33	600-605	0.0419	0.0426	0.0423
70914	ES-36	735-740	0.0368	0.0365	0.0367

KCA Sample No.	Drill Hole	Interval	Assay 1, oz Ag/st	Assay 2, oz Ag/st	Average Assay, oz Ag/st
70901	ES-13	125-130	0.254	0.263	0.259
70902	ES-13	230-235	0.105	0.111	0.108
70903	ES-14	360-365	1.733	1.715	1.724
70904	ES-14	465-470	0.093	0.088	0.091
70905	ES-19	740-745	1.762	1.785	1.774
70906	ES-20	480-485	1.272	1.289	1.281
70907	ES-21	560-565	0.029	0.029	0.029
70908	ES-25	165-170	0.193	0.204	0.199
70909	ES-26	285-290	0.327	0.315	0.321
70910	ES-27	70-75	0.187	0.193	0.190
70911	ES-27	550-555	0.373	0.356	0.365
70912	ES-32	965-970	0.105	0.099	0.102
70913	ES-33	600-605	0.222	0.228	0.225
70914	ES-36	735-740	0.968	0.951	0.960

3.0 Bottle Roll Leach Test Work

Bottle roll leach testing was conducted on portions of each separate sample utilizing both as-received material as well as material ring and puck pulverized to a target size of 80% passing 200 mesh Tyler.

The as-received bottle roll leach tests were conducted as follows:

1. One 1,500 gram split of as-received material was placed into a 4 liter carboy and slurried with 2,250 milliliters of tap water. Note that for ES-14, 360-365 a 1,000 gram portion of the as-received material was placed into a 4 liter carboy out and slurried with 1,500 milliliters of tap water.
2. The slurry was mixed thoroughly and the pH of the slurry checked. The pH of the slurry was adjusted, as required, to 10.5 to 11.0 with hydrated lime.
3. Sodium cyanide was added to the slurry to a target amount of 1.0 grams per liter sodium cyanide. The bottle was then placed onto a set of laboratory rolls. Rolling throughout the duration of the test mixed the slurry.
4. The slurry was checked at 2, 4, 8, 24, 48, 72 and 96 hours for pH, dissolved oxygen (DO), NaCN, Au, Ag and Cu.
5. Additional hydrated lime and sodium cyanide were added after each sample period, if required, to adjust the slurry to the target levels.
6. After completion of the leach period, the slurry was filtered, washed and dried.

The dried tailings material was screened at ¼ inch, 10, 28 and 65 mesh Tyler. Each size fraction was weighed and the weights reported. The material was then recombined, and duplicate portions were split out and individually ring and puck pulverized to a target size of 80% passing 200 mesh Tyler. The pulverized portions were then assayed for residual gold and silver content. The reject material was stored.

The bottle roll test procedure for the pulverized material is outlined in the following:

1. One 1,000 gram split of pulverized material was placed into a 2.5 liter bottle and slurried with 1,500 milliliters of tap water.
2. The slurry was mixed thoroughly and the pH of the slurry checked. The pH of the slurry was adjusted, as required, to 10.5 to 11.0 with hydrated lime.
3. Sodium cyanide was added to the slurry to a target amount of 1.0 grams per liter sodium cyanide. The bottle was then placed onto a set of laboratory rolls. Rolling throughout the duration of the test mixed the slurry.

4. The slurry was checked at 2, 4, 8, 24, 48, 72 and 96 hours for pH, dissolved oxygen (DO), NaCN, Au, Ag and Cu.
5. Additional hydrated lime and sodium cyanide were added after each sample period, if required, to adjust the slurry to the target levels.
6. After completion of the leach period, the slurry was filtered, washed and dried.

From the dry tailings, duplicate portions were split out and assayed for residual gold and silver content. The reject material was stored.

These laboratory tests were conducted with hydrated lime for pH control. A discussion regarding the available lime index for the hydrated lime ($\text{Ca}(\text{OH})_2$) and lime (CaO) utilized by KCA is presented in Section 4 of this report.

The gold and silver head grades throughout the test program as well as the received assays from the client were analyzed in order to determine continuity.

The gold extraction results of the bottle roll leach tests are summarized in Tables 3-1 and 3-2.

The silver extraction results of the bottle roll leach tests are summarized in Tables 3-3 and 3-4.

The detailed results of the individual bottle roll leach tests and subsequent tail screen analyses are presented in Tables 3-5 through 3-46.

The comparison of the gold and silver head grades are presented in Tables 3-47 and 3-48, respectively.

Table 3-1.
Cordex Project
Cyanide Bottle Roll Leach Test
Gold Extraction Summary

KCA Sample No.	KCA Test No.	Description	Calculated p80 Size, inches	Target p80 Size, mesh Tyler	Head Average, oz Au/st	Calculated Head, oz Au/st	Extracted, oz Au/st	Avg. Tails, oz Au/st	Au Extracted, %	Leach Time, hours	Consumption NaCN, lbs/st	Addition Ca(OH) ₂ , lbs/st
70901	70918 A	ES-13, 125-130	0.13	--	0.0536	0.0452	0.0359	0.0094	79%	96	0.21	1.67
70901	70922 A	ES-13, 125-130	--	200	0.0536	0.0479	0.0449	0.0030	94%	96	1.42	2.50
70902	70918 B	ES-13, 230-235	0.31	--	0.0204	0.0306	0.0117	0.0189	38%	96	0.24	1.00
70902	70922 B	ES-13, 230-235	--	200	0.0204	0.0310	0.0283	0.0028	91%	96	0.94	1.50
70903	70918 C	ES-14, 360-365	0.24	--	0.0971	0.0997	0.0483	0.0514	48%	96	0.07	2.00
70903	70922 C	ES-14, 360-365	--	200	0.0971	0.0930	0.0879	0.0051	95%	96	<0.02	2.50
70904	70918 D	ES-14, 465-470	0.21	--	0.0177	0.0210	0.0136	0.0074	65%	96	0.23	1.67
70904	70922 D	ES-14, 465-470	--	200	0.0177	0.0298	0.0290	0.0008	97%	96	<0.02	3.00
70905	70919 A	ES-19, 740-745	0.14	--	0.0783	0.0736	0.0495	0.0241	67%	96	0.05	1.00
70905	70923 A	ES-19, 740-745	--	200	0.0783	0.0754	0.0749	0.0006	99%	96	0.04	1.00
70906	70919 B	ES-20, 480-485	0.24	--	0.1865	0.1648	0.0473	0.1175	29%	96	0.25	1.00
70906	70923 B	ES-20, 480-485	--	200	0.1865	0.1413	0.1385	0.0028	98%	96	0.10	2.00
70907	70919 C	ES-21, 560-565	0.14	--	0.0292	0.0386	0.0297	0.0089	77%	96	0.11	1.00
70907	70923 C	ES-21, 560-565	--	200	0.0292	0.0420	0.0413	0.0007	98%	96	0.04	1.00
70908	70919 D	ES-25, 165-170	0.25	--	0.0208	0.0164	0.0033	0.0131	20%	96	0.15	1.00
70908	70923 D	ES-25, 165-170	--	200	0.0208	0.0128	0.0113	0.0015	89%	96	0.43	2.00
70909	70920 A	ES-26, 285-290	0.15	--	0.4055	0.3279	0.2385	0.0894	73%	96	0.24	1.33
70909	70924 A	ES-26, 285-290	--	200	0.4055	0.3310	0.3169	0.0142	96%	96	1.00	2.00
70910	70920 B	ES-27, 70-75	0.16	--	0.0449	0.0507	0.0273	0.0234	54%	96	0.11	1.00
70910	70924 B	ES-27, 70-75	--	200	0.0449	0.0270	0.0230	0.0040	85%	96	1.20	2.50

Table 3-2.
Cordex Project
Cyanide Bottle Roll Leach Test
Gold Extraction Summary

KCA Sample No.	KCA Test No.	Description	Calculated p80 Size, inches	Target p80 Size, mesh Tyler	Head Average, oz Au/st	Calculated Head, oz Au/st	Extracted, oz Au/st	Avg. Tails, oz Au/st	Au Extracted, %	Leach Time, hours	Consumption NaCN, lbs/st	Addition Ca(OH) ₂ , lbs/st
70911	70920 C	ES-27, 550-555	0.29	--	0.0526	0.0360	0.0071	0.0289	20%	96	0.17	1.33
70911	70924 C	ES-27, 550-555	--	200	0.0526	0.0432	0.0421	0.0011	97%	96	0.26	1.50
70912	70920 D	ES-32, 965-970	0.15	--	0.0948	0.0643	0.0412	0.0231	64%	96	0.54	1.00
70912	70924 D	ES-32, 965-970	--	200	0.0948	0.0704	0.0670	0.0035	95%	96	0.15	2.00
70913	70921 A	ES-33, 600-605	0.16	--	0.0423	0.0440	0.0352	0.0088	80%	96	0.26	1.00
70913	70925 A	ES-33, 600-605	--	200	0.0423	0.0576	0.0559	0.0018	97%	96	0.17	1.50
70914	70921 B	ES-36, 735-740	0.10	--	0.0367	0.0344	0.0292	0.0053	85%	96	0.24	2.33
70914	70925 B	ES-36, 735-740	--	200	0.0367	0.0370	0.0355	0.0014	96%	96	0.03	4.00

Table 3-3.
Cordex Project
Cyanide Bottle Roll Leach Test
Silver Extraction Summary

KCA Sample No.	KCA Test No.	Description	Calculated p80 Size, inches	Crush p100 Size, mesh Tyler	Head Average, oz Ag/st	Calculated Head, oz Ag/st	Extracted, oz Ag/st	Avg. Tails, oz Ag/st	Ag Extracted, %	Leach Time, hours	Consumption NaCN, lbs/st	Addition Ca(OH) ₂ , lbs/st
70901	70918 A	ES-13, 125-130	0.13	--	0.259	0.246	0.070	0.177	28%	96	0.21	1.67
70901	70922 A	ES-13, 125-130	--	200	0.259	0.297	0.181	0.116	61%	96	1.42	2.50
70902	70918 B	ES-13, 230-235	0.31	--	0.108	0.106	0.024	0.082	23%	96	0.24	1.00
70902	70922 B	ES-13, 230-235	--	200	0.108	0.165	0.115	0.050	70%	96	0.94	1.50
70903	70918 C	ES-14, 360-365	0.24	--	1.724	1.532	0.088	1.444	6%	96	0.07	2.00
70903	70922 C	ES-14, 360-365	--	200	1.724	1.393	0.439	0.954	32%	96	<0.02	2.50
70904	70918 D	ES-14, 465-470	0.21	--	0.091	0.079	0.012	0.067	15%	96	0.23	1.67
70904	70922 D	ES-14, 465-470	--	200	0.091	0.077	0.033	0.044	43%	96	<0.02	3.00
70905	70919 A	ES-19, 740-745	0.14	--	1.774	1.587	0.105	1.482	7%	96	0.05	1.00
70905	70923 A	ES-19, 740-745	--	200	1.774	1.496	0.569	0.928	38%	96	0.04	1.00
70906	70919 B	ES-20, 480-485	0.24	--	1.281	1.173	0.076	1.097	6%	96	0.25	1.00
70906	70923 B	ES-20, 480-485	--	200	1.281	1.297	0.664	0.633	51%	96	0.10	2.00
70907	70919 C	ES-21, 560-565	0.14	--	0.029	0.040	0.017	0.023	42%	96	0.11	1.00
70907	70923 C	ES-21, 560-565	--	200	0.029	0.062	0.044	0.018	71%	96	0.04	1.00
70908	70919 D	ES-25, 165-170	0.25	--	0.199	0.168	0.007	0.161	4%	96	0.15	1.00
70908	70923 D	ES-25, 165-170	--	200	0.199	0.174	0.072	0.102	42%	96	0.43	2.00
70909	70920 A	ES-26, 285-290	0.15	--	0.321	0.291	0.055	0.236	19%	96	0.24	1.33
70909	70924 A	ES-26, 285-290	--	200	0.321	0.352	0.186	0.166	53%	96	1.00	2.00
70910	70920 B	ES-27, 70-75	0.16	--	0.190	0.175	0.041	0.134	23%	96	0.11	1.00
70910	70924 B	ES-27, 70-75	--	200	0.190	0.197	0.112	0.085	57%	96	1.20	2.50

Table 3-4.
Cordex Project
Cyanide Bottle Roll Leach Test
Silver Extraction Summary

KCA Sample No.	KCA Test No.	Description	Calculated p80 Size, inches	Crush p100 Size, mesh Tyler	Head Average, oz Ag/st	Calculated Head, oz Ag/st	Extracted, oz Ag/st	Avg. Tails, oz Ag/st	Ag Extracted, %	Leach Time, hours	Consumption NaCN, lbs/st	Addition Ca(OH) ₂ , lbs/st
70911	70920 C	ES-27, 550-555	0.29	--	0.365	0.298	0.018	0.280	6%	96	0.17	1.33
70911	70924 C	ES-27, 550-555	--	200	0.365	0.343	0.183	0.161	53%	96	0.26	1.50
70912	70920 D	ES-32, 965-970	0.15	--	0.102	0.151	0.078	0.073	52%	96	0.54	1.00
70912	70924 D	ES-32, 965-970	--	200	0.102	0.193	0.152	0.041	79%	96	0.15	2.00
70913	70921 A	ES-33, 600-605	0.16	--	0.225	0.219	0.041	0.178	19%	96	0.26	1.00
70913	70925 A	ES-33, 600-605	--	200	0.225	0.242	0.128	0.114	53%	96	0.17	1.50
70914	70921 B	ES-36, 735-740	0.10	--	0.960	0.838	0.059	0.779	7%	96	0.24	2.33
70914	70925 B	ES-36, 735-740	--	200	0.960	0.692	0.184	0.508	27%	96	0.03	4.00

**Table 3-5.
Cordex Project
ES-13, 125-130
KCA Sample No. 70901
KCA Test No. 70918 A
Cyanide Bottle Roll Leach Test, Target 1.0 grams per liter NaCN
As-received Material, Calculated 80% passing 0.13 inches
(1,500 grams solids + 2,250 milliliters solution)**

KCA Sample No.	KCA Test No.	Period, hours	pH*	Dissolved Oxygen, mg/L**	Free NaCN, gpL*	Total NaCN, gpL*	Added NaCN, grams	Added Ca(OH) ₂ , grams	Volume Out, mLs***	Volume In, mLs***	Feed Ore Wt., grams	Total Solution Volume, mLs	Solution AAS, mg Au/L	Solution AAS, mg Cu/L	Extracted, oz Au/st	Cumulative Au Extraction, %
70901	70918 A	0	8.1	--	--	--	2.25	0.75	--	--	1,500	2,250	--	--	--	0%
		2	10.7	6.4	0.98	0.98	0.00	0.00	20	20	1,500	2,250	0.31	1.92	0.0136	30%
		4	10.6	6.6	0.97	0.97	0.00	0.00	20	20	1,500	2,250	0.46	1.87	0.0202	45%
		8	10.5	6.5	0.95	0.97	0.00	0.00	20	20	1,500	2,250	0.60	1.92	0.0265	59%
		24	10.4	6.5	0.92	0.92	0.00	0.50	20	20	1,500	2,250	0.81	1.94	0.0360	80%
		48	10.7	6.7	0.92	0.92	0.00	0.00	20	20	1,500	2,250	0.85	1.94	0.0380	84%
		72	10.6	6.5	0.90	0.90	0.00	0.00	20	20	1,500	2,250	0.87	2.02	0.0392	87%
		96	10.3	6.7	0.88	0.88	--	--	20	20	1,500	2,250	0.86	2.00	0.0391	87%
Filtrate + Wash:											1,500	3,430	0.51	--	0.0359	79%
													Tail Assay, oz/st:		0.0093	
Chemical Consumptions															0.0095	
Sodium Cyanide, pounds NaCN per dry ton of ore:													0.21	Avg. Tails, oz/st:		0.0094
Hydrated lime, pounds Ca(OH) ₂ per dry ton of ore:													1.67	Calc. Head, oz/st:		0.0452
															Extracted, %:	79%

Notes: (*) - Before chemical additions. (**) - Sparged with oxygen when below 4. (***) - 20 mLs removed at each sampling interval and replaced with fresh water.

KCA Sample No.	KCA Test No.	Period, hours	pH*	Dissolved Oxygen, mg/L**	Free NaCN, gpL*	Total NaCN, gpL*	Added NaCN, grams	Added Ca(OH) ₂ , grams	Volume Out, mLs***	Volume In, mLs***	Feed Ore Wt., grams	Total Solution Volume, mLs	Solution AAS, mg Ag/L	Solution AAS, mg Cu/L	Extracted, oz Ag/st	Cumulative Ag Extraction, %
70901	70918 A	0	8.1	--	--	--	2.25	0.75	--	--	1,500	2,250	--	--	--	0%
		2	10.7	6.4	0.98	0.98	0.00	0.00	20	20	1,500	2,250	1.51	1.92	0.066	27%
		4	10.6	6.6	0.97	0.97	0.00	0.00	20	20	1,500	2,250	1.21	1.87	0.054	22%
		8	10.5	6.5	0.95	0.97	0.00	0.00	20	20	1,500	2,250	1.07	1.92	0.048	19%
		24	10.4	6.5	0.92	0.92	0.00	0.50	20	20	1,500	2,250	1.28	1.94	0.057	23%
		48	10.7	6.7	0.92	0.92	0.00	0.00	20	20	1,500	2,250	1.59	1.94	0.072	29%
		72	10.6	6.5	0.90	0.90	0.00	0.00	20	20	1,500	2,250	1.48	2.02	0.067	27%
		96	10.3	6.7	0.88	0.88	--	--	20	20	1,500	2,250	1.64	2.00	0.075	30%
Filtrate + Wash:											1,500	3,430	0.99	--	0.070	28%
													Tail Assay, oz/st:		0.172	
Chemical Consumptions															0.181	
Sodium Cyanide, pounds NaCN per dry ton of ore:													0.21	Avg. Tails, oz/st:		0.177
Hydrated lime, pounds Ca(OH) ₂ per dry ton of ore:													1.67	Calc. Head, oz/st:		0.246
															Extracted, %:	28%

Notes: (*) - Before chemical additions. (**) - Sparged with oxygen when below 4. (***) - 20 mLs removed at each sampling interval and replaced with fresh water.

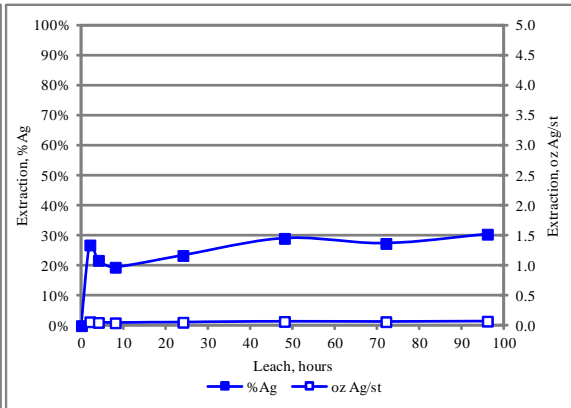
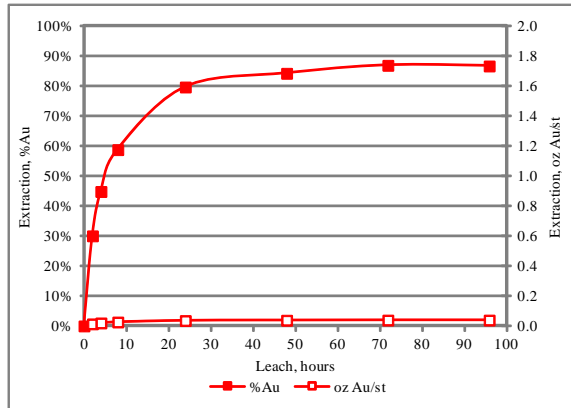


Table 3-6.
Cordex Project
ES-13, 125-130
KCA Sample No. 70901
KCA Test No. 70918 A
As-received Material, Calculated 80% passing 0.13 inches
Tail Screen Analysis

KCA Sample No.	KCA Test No.	Passing, inches/ mesh Tyler	Retained, inches/ mesh Tyler	Dry Screen Analysis			
				Sample Weight, grams	Weight Distribution, %	Cumulative Weight Retained, %	Cumulative Weight Passing, %
70901	70918 A		0.25 inch	9.22	0.6%	0.6%	
		0.25 inch	10 mesh	270.48	18.2%	18.8%	99.4%
		10 mesh	28 mesh	358.98	24.1%	42.9%	81.2%
		28 mesh	65 mesh	362.05	24.3%	67.2%	57.1%
		65 mesh	Pan	489.25	32.8%	100.0%	32.8%
Total -				1489.98	100.0%		

**Table 3-7.
Cordex Project
ES-13, 125-130
KCA Sample No. 70901
KCA Test No. 70922 A
Cyanide Bottle Roll Leach Test, Target 1.0 grams per liter NaCN
Pulverized Material, Target 80% passing 200 mesh Tyler
(1,000 grams solids + 1,500 milliliters solution)**

KCA Sample No.	KCA Test No.	Period, hours	pH*	Dissolved Oxygen, mg/L**	Free NaCN, gpL*	Total NaCN, gpL*	Added NaCN, grams	Added Ca(OH) ₂ , grams	Volume Out, mLs***	Volume In, mLs***	Feed Ore Wt., grams	Total Solution Volume, mLs	Solution AAS, mg Au/L	Solution AAS, mg Cu/L	Extracted, oz Au/st	Cumulative Au Extraction, %
70901	70922 A	0	7.7	--	--	--	1.50	0.50	--	--	1,000	1,500	--	--	--	0%
		2	10.2	4.7	0.56	0.56	0.66	0.25	20	20	1,000	1,500	0.13	2.89	0.0057	12%
		4	10.6	5.2	0.98	0.98	0.00	0.00	20	20	1,000	1,500	0.46	3.07	0.0202	42%
		8	10.4	5.4	0.95	0.95	0.00	0.25	20	20	1,000	1,500	0.81	3.06	0.0358	75%
		24	10.6	6.7	0.92	0.92	0.00	0.00	20	20	1,000	1,500	0.94	3.08	0.0419	88%
		48	10.5	6.4	0.90	0.90	0.00	0.00	20	20	1,000	1,500	0.96	3.06	0.0434	91%
		72	10.3	6.7	0.87	0.87	0.20	0.25	20	20	1,000	1,500	0.95	3.08	0.0435	91%
		96	10.5	6.9	1.03	1.03	--	--	20	20	1,000	1,500	0.91	2.96	0.0423	88%
Filtrate + Wash:											1,000	2,210	0.65	--	0.0449	94%
													Tail Assay, oz/st:		0.0030	
Chemical Consumptions															0.0030	
Sodium Cyanide, pounds NaCN per dry ton of ore:													1.42	Avg. Tails, oz/st:		0.0030
Hydrated lime, pounds Ca(OH) ₂ per dry ton of ore:													2.50	Calc. Head, oz/st:		0.0479
													Extracted, %:		94%	

Notes: (*) - Before chemical additions. (**) - Sparged with oxygen when below 4. (***) - 20 mLs removed at each sampling interval and replaced with fresh water.

KCA Sample No.	KCA Test No.	Period, hours	pH*	Dissolved Oxygen, mg/L**	Free NaCN, gpL*	Total NaCN, gpL*	Added NaCN, grams	Added Ca(OH) ₂ , grams	Volume Out, mLs***	Volume In, mLs***	Feed Ore Wt., grams	Total Solution Volume, mLs	Solution AAS, mg Ag/L	Solution AAS, mg Cu/L	Extracted, oz Ag/st	Cumulative Ag Extraction, %
70901	70922 A	0	7.7	--	--	--	1.50	0.50	--	--	1,000	1,500	--	--	--	0%
		2	10.2	4.7	0.56	0.56	0.66	0.25	20	20	1,000	1,500	2.92	2.89	0.128	43%
		4	10.6	5.2	0.98	0.98	0.00	0.00	20	20	1,000	1,500	3.05	3.07	0.135	46%
		8	10.4	5.4	0.95	0.95	0.00	0.25	20	20	1,000	1,500	3.25	3.06	0.146	49%
		24	10.6	6.7	0.92	0.92	0.00	0.00	20	20	1,000	1,500	3.70	3.08	0.167	56%
		48	10.5	6.4	0.90	0.90	0.00	0.00	20	20	1,000	1,500	3.77	3.06	0.172	58%
		72	10.3	6.7	0.87	0.87	0.20	0.25	20	20	1,000	1,500	3.80	3.08	0.176	59%
		96	10.5	6.9	1.03	1.03	--	--	20	20	1,000	1,500	3.74	2.96	0.176	59%
Filtrate + Wash:											1,000	2,210	2.59	--	0.181	61%
													Tail Assay, oz/st:		0.114	
Chemical Consumptions															0.117	
Sodium Cyanide, pounds NaCN per dry ton of ore:													1.42	Avg. Tails, oz/st:		0.116
Hydrated lime, pounds Ca(OH) ₂ per dry ton of ore:													2.50	Calc. Head, oz/st:		0.297
													Extracted, %:		61%	

Notes: (*) - Before chemical additions. (**) - Sparged with oxygen when below 4. (***) - 20 mLs removed at each sampling interval and replaced with fresh water.

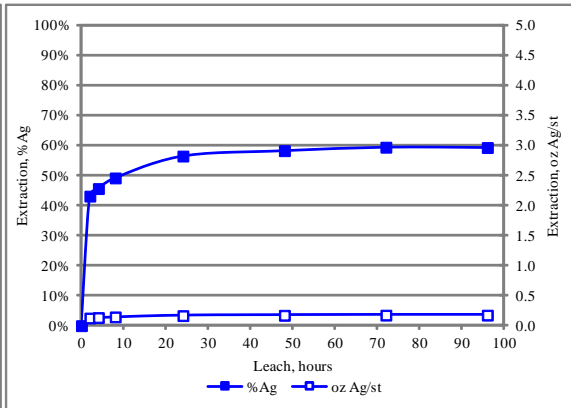
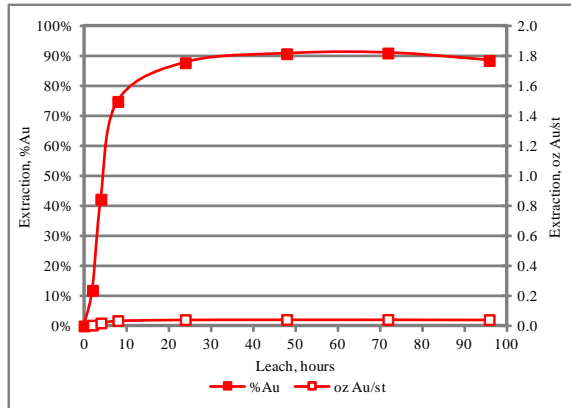


Table 3-8.
Cordex Project
ES-13, 230-235
KCA Sample No. 70902
KCA Test No. 70918 B
Cyanide Bottle Roll Leach Test, Target 1.0 grams per liter NaCN
As-received Material, Calculated 80% passing 0.31 inches
(1,500 grams solids + 2,250 milliliters solution)

KCA Sample No.	KCA Test No.	Period, hours	pH*	Dissolved Oxygen, mg/L**	Free NaCN, gpL*	Total NaCN, gpL*	Added NaCN, grams	Added Ca(OH) ₂ , grams	Volume Out, mLs***	Volume In, mLs***	Feed Ore Wt., grams	Total Solution Volume, mLs	Solution AAS, mg Au/L	Solution AAS, mg Cu/L	Extracted, oz Au/st	Cumulative Au Extraction, %	
70902	70918 B	0	8.1	--	--	--	2.25	0.75	--	--	1,500	2,250	--	--	--	0%	
		2	11.2	6.4	1.02	1.02	0.00	0.00	20	20	1,500	2,250	0.11	2.92	0.0048	16%	
		4	11.2	6.6	1.01	1.01	0.00	0.00	20	20	1,500	2,250	0.15	2.96	0.0066	22%	
		8	11.1	6.5	0.99	0.99	0.00	0.00	20	20	1,500	2,250	0.17	3.08	0.0075	25%	
		24	10.8	6.4	0.96	0.96	0.00	0.00	20	20	1,500	2,250	0.23	3.12	0.0102	33%	
		48	10.6	6.6	0.94	0.94	0.00	0.00	20	20	1,500	2,250	0.26	3.09	0.0116	38%	
		72	10.6	6.6	0.89	0.93	0.25	0.00	20	20	1,500	2,250	0.28	3.22	0.0126	41%	
		96	10.3	6.6	0.98	1.02	--	--	20	20	1,500	2,250	0.28	3.14	0.0127	42%	
Filtrate + Wash:											1,500	3,560	0.16	--	0.0117	38%	
													Tail Assay, oz/st:		0.0191		
Chemical Consumptions															0.0187		
Sodium Cyanide, pounds NaCN per dry ton of ore:													0.24	Avg. Tails, oz/st:		0.0189	
Hydrated lime, pounds Ca(OH) ₂ per dry ton of ore:													1.00	Calc. Head, oz/st:		0.0306	
															Extracted, %:	38%	

Notes: (*) - Before chemical additions. (**) - Sparged with oxygen when below 4. (***) - 20 mLs removed at each sampling interval and replaced with fresh water.

KCA Sample No.	KCA Test No.	Period, hours	pH*	Dissolved Oxygen, mg/L**	Free NaCN, gpL*	Total NaCN, gpL*	Added NaCN, grams	Added Ca(OH) ₂ , grams	Volume Out, mLs***	Volume In, mLs***	Feed Ore Wt., grams	Total Solution Volume, mLs	Solution AAS, mg Ag/L	Solution AAS, mg Cu/L	Extracted, oz Ag/st	Cumulative Ag Extraction, %	
70902	70918 B	0	8.1	--	--	--	2.25	0.75	--	--	1,500	2,250	--	--	--	0%	
		2	11.2	6.4	1.02	1.02	0.00	0.00	20	20	1,500	2,250	0.40	2.92	0.018	17%	
		4	11.2	6.6	1.01	1.01	0.00	0.00	20	20	1,500	2,250	0.39	2.96	0.017	16%	
		8	11.1	6.5	0.99	0.99	0.00	0.00	20	20	1,500	2,250	0.33	3.08	0.015	14%	
		24	10.8	6.4	0.96	0.96	0.00	0.00	20	20	1,500	2,250	0.41	3.12	0.018	17%	
		48	10.6	6.6	0.94	0.94	0.00	0.00	20	20	1,500	2,250	0.51	3.09	0.023	22%	
		72	10.6	6.6	0.89	0.93	0.25	0.00	20	20	1,500	2,250	0.53	3.22	0.024	23%	
		96	10.3	6.6	0.98	1.02	--	--	20	20	1,500	2,250	0.48	3.14	0.022	21%	
Filtrate + Wash:											1,500	3,560	0.33	--	0.024	23%	
													Tail Assay, oz/st:		0.082		
Chemical Consumptions															0.082		
Sodium Cyanide, pounds NaCN per dry ton of ore:													0.24	Avg. Tails, oz/st:		0.082	
Hydrated lime, pounds Ca(OH) ₂ per dry ton of ore:													1.00	Calc. Head, oz/st:		0.106	
															Extracted, %:	23%	

Notes: (*) - Before chemical additions. (**) - Sparged with oxygen when below 4. (***) - 20 mLs removed at each sampling interval and replaced with fresh water.

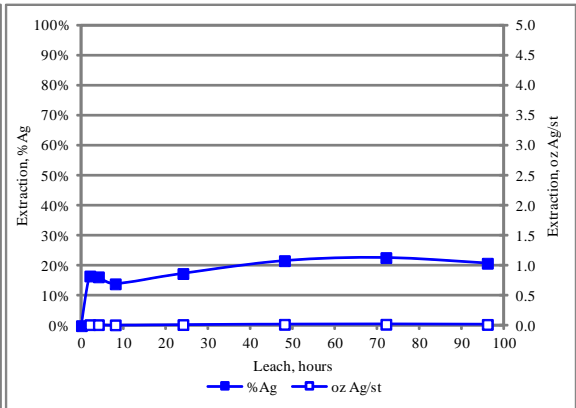
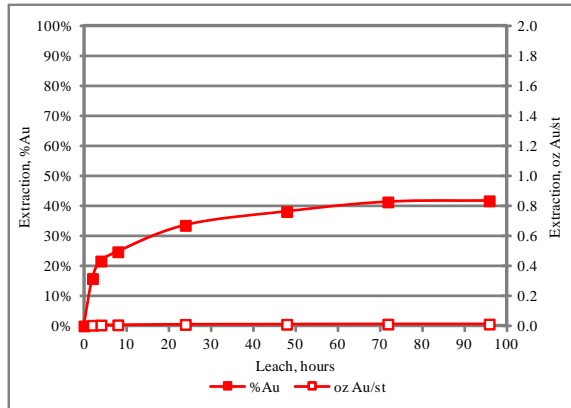


Table 3-9.
Cordex Project
ES-13, 230-235
KCA Sample No. 70902
KCA Test No. 70918 B
As-received Material, Calculated 80% passing 0.31 inches
Tail Screen Analysis

KCA Sample No.	KCA Test No.	Passing, inches/ mesh Tyler	Retained, inches/ mesh Tyler	Dry Screen Analysis			
				Sample Weight, grams	Weight Distribution, %	Cumulative Weight Retained, %	Cumulative Weight Passing, %
70902	70918 B		0.25 inch	538.27	36.0%	36.0%	
		0.25 inch	10 mesh	490.61	32.8%	68.8%	64.0%
		10 mesh	28 mesh	230.09	15.4%	84.1%	31.2%
		28 mesh	65 mesh	119.20	8.0%	92.1%	15.9%
		65 mesh	Pan	118.32	7.9%	100.0%	7.9%
Total -				1496.49	100.0%		

Table 3-10.
Cordex Project
ES-13, 230-235
KCA Sample No. 70902
KCA Test No. 70922 B
Cyanide Bottle Roll Leach Test, Target 1.0 grams per liter NaCN
Pulverized Material, Target 80% passing 200 mesh Tyler
(1,000 grams solids + 1,500 milliliters solution)

KCA Sample No.	KCA Test No.	Period, hours	pH*	Dissolved Oxygen, mg/L**	Free NaCN, gpL*	Total NaCN, gpL*	Added NaCN, grams	Added Ca(OH) ₂ , grams	Volume Out, mLs***	Volume In, mLs***	Feed Ore Wt., grams	Total Solution Volume, mLs	Solution AAS, mg Au/L	Solution AAS, mg Cu/L	Extracted, oz Au/st	Cumulative Au Extraction, %
70902	70922 B	0	8.2	--	--	--	1.50	0.50	--	--	1,000	1,500	--	--	--	0%
		2	10.5	4.6	0.77	0.77	0.35	0.00	20	20	1,000	1,500	0.31	3.60	0.0136	44%
		4	10.6	5.6	0.98	0.98	0.00	0.00	20	20	1,000	1,500	0.48	3.78	0.0212	68%
		8	10.5	5.7	0.92	0.95	0.00	0.00	20	20	1,000	1,500	0.56	3.91	0.0250	81%
		24	10.4	6.3	0.92	0.92	0.00	0.25	20	20	1,000	1,500	0.61	3.97	0.0275	89%
		48	10.7	6.5	0.90	0.90	0.00	0.00	20	20	1,000	1,500	0.60	3.89	0.0274	88%
		72	10.5	6.5	0.88	0.88	0.18	0.00	20	20	1,000	1,500	0.60	3.90	0.0277	89%
		96	10.4	6.8	0.97	0.97	--	--	20	20	1,000	1,500	0.59	3.77	0.0277	89%
Filtrate + Wash:											1,000	2,180	0.41	--	0.0283	91%
													Tail Assay, oz/st:		0.0027	
Chemical Consumptions															0.0028	
Sodium Cyanide, pounds NaCN per dry ton of ore:													0.94	Avg. Tails, oz/st:		0.0028
Hydrated lime, pounds Ca(OH) ₂ per dry ton of ore:													1.50	Calc. Head, oz/st:		0.0310
															Extracted, %:	91%

Notes: (*) - Before chemical additions. (**) - Sparged with oxygen when below 4. (***) - 20 mLs removed at each sampling interval and replaced with fresh water.

KCA Sample No.	KCA Test No.	Period, hours	pH*	Dissolved Oxygen, mg/L**	Free NaCN, gpL*	Total NaCN, gpL*	Added NaCN, grams	Added Ca(OH) ₂ , grams	Volume Out, mLs***	Volume In, mLs***	Feed Ore Wt., grams	Total Solution Volume, mLs	Solution AAS, mg Ag/L	Solution AAS, mg Cu/L	Extracted, oz Ag/st	Cumulative Ag Extraction, %
70902	70922 B	0	8.2	--	--	--	1.50	0.50	--	--	1,000	1,500	--	--	--	0%
		2	10.5	4.6	0.77	0.77	0.35	0.00	20	20	1,000	1,500	2.23	3.60	0.098	59%
		4	10.6	5.6	0.98	0.98	0.00	0.00	20	20	1,000	1,500	2.32	3.78	0.103	62%
		8	10.5	5.7	0.92	0.95	0.00	0.00	20	20	1,000	1,500	2.26	3.91	0.102	62%
		24	10.4	6.3	0.92	0.92	0.00	0.25	20	20	1,000	1,500	2.44	3.97	0.111	67%
		48	10.7	6.5	0.90	0.90	0.00	0.00	20	20	1,000	1,500	2.43	3.89	0.112	68%
		72	10.5	6.5	0.88	0.88	0.18	0.00	20	20	1,000	1,500	2.44	3.90	0.114	69%
		96	10.4	6.8	0.97	0.97	--	--	20	20	1,000	1,500	2.40	3.77	0.113	69%
Filtrate + Wash:											1,000	2,180	1.65	--	0.115	70%
													Tail Assay, oz/st:		0.053	
Chemical Consumptions															0.047	
Sodium Cyanide, pounds NaCN per dry ton of ore:													0.94	Avg. Tails, oz/st:		0.050
Hydrated lime, pounds Ca(OH) ₂ per dry ton of ore:													1.50	Calc. Head, oz/st:		0.165
															Extracted, %:	70%

Notes: (*) - Before chemical additions. (**) - Sparged with oxygen when below 4. (***) - 20 mLs removed at each sampling interval and replaced with fresh water.

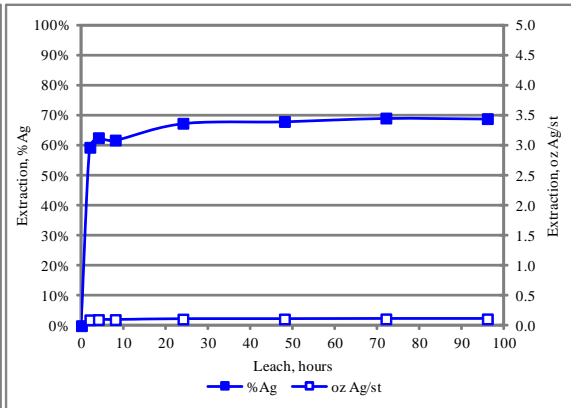
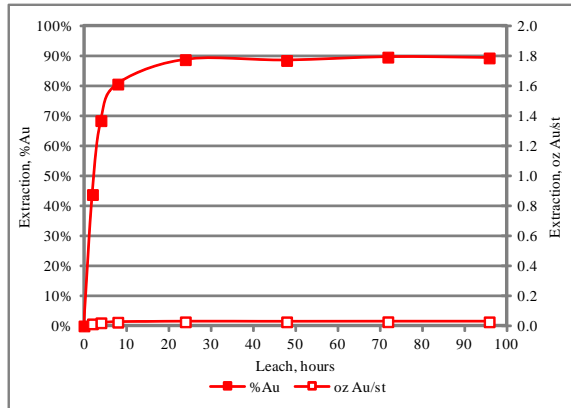


Table 3-11.
Cordex Project
ES-14, 360-365
KCA Sample No. 70903
KCA Test No. 70918 C
Cyanide Bottle Roll Leach Test, Target 1.0 grams per liter NaCN
As-received Material, Calculated 80% passing 0.24 inches
(1,000 grams solids + 1,500 milliliters solution)

KCA Sample No.	KCA Test No.	Period, hours	pH*	Dissolved Oxygen, mg/L**	Free NaCN, gpL*	Total NaCN, gpL*	Added NaCN, grams	Added Ca(OH) ₂ , grams	Volume Out, mLs***	Volume In, mLs***	Feed Ore Wt., grams	Total Solution Volume, mLs	Solution AAS, mg Au/L	Solution AAS, mg Cu/L	Extracted, oz Au/st	Cumulative Au Extraction, %
70903	70918 C	0	8.7	--	--	--	1.50	0.50	--	--	1,000	1,500	--	--	--	0%
		2	10.8	6.3	1.03	1.03	0.00	0.00	20	20	1,000	1,500	0.31	1.25	0.0136	14%
		4	10.7	6.5	1.00	1.00	0.00	0.00	20	20	1,000	1,500	0.39	1.37	0.0172	17%
		8	10.6	6.5	0.98	0.98	0.00	0.00	20	20	1,000	1,500	0.47	1.47	0.0210	21%
		24	10.4	6.5	0.91	0.91	0.00	0.50	20	20	1,000	1,500	0.72	1.54	0.0322	32%
		48	11.2	6.6	0.91	0.91	0.00	0.00	20	20	1,000	1,500	1.00	1.41	0.0449	45%
		72	11.0	6.5	0.90	0.90	0.00	0.00	20	20	1,000	1,500	1.08	1.53	0.0489	49%
		96	10.6	6.7	0.90	0.90	--	--	20	20	1,000	1,500	1.07	1.56	0.0491	49%
Filtrate + Wash:											1,000	2,470	0.63	--	0.0483	48%
													Tail Assay, oz/st:		0.0506	
Chemical Consumptions															0.0522	
Sodium Cyanide, pounds NaCN per dry ton of ore:													0.07	Avg. Tails, oz/st:		0.0514
Hydrated lime, pounds Ca(OH) ₂ per dry ton of ore:													2.00	Calc. Head, oz/st:		0.0997
															Extracted, %:	48%

Notes: (*) - Before chemical additions. (**) - Sparged with oxygen when below 4. (***) - 20 mLs removed at each sampling interval and replaced with fresh water.

KCA Sample No.	KCA Test No.	Period, hours	pH*	Dissolved Oxygen, mg/L**	Free NaCN, gpL*	Total NaCN, gpL*	Added NaCN, grams	Added Ca(OH) ₂ , grams	Volume Out, mLs***	Volume In, mLs***	Feed Ore Wt., grams	Total Solution Volume, mLs	Solution AAS, mg Ag/L	Solution AAS, mg Cu/L	Extracted, oz Ag/st	Cumulative Ag Extraction, %
70903	70918 C	0	8.7	--	--	--	1.50	0.50	--	--	1,000	1,500	--	--	--	0%
		2	10.8	6.3	1.03	1.03	0.00	0.00	20	20	1,000	1,500	0.84	1.25	0.037	2%
		4	10.7	6.5	1.00	1.00	0.00	0.00	20	20	1,000	1,500	0.87	1.37	0.039	3%
		8	10.6	6.5	0.98	0.98	0.00	0.00	20	20	1,000	1,500	0.90	1.47	0.040	3%
		24	10.4	6.5	0.91	0.91	0.00	0.50	20	20	1,000	1,500	1.10	1.54	0.050	3%
		48	11.2	6.6	0.91	0.91	0.00	0.00	20	20	1,000	1,500	1.46	1.41	0.066	4%
		72	11.0	6.5	0.90	0.90	0.00	0.00	20	20	1,000	1,500	1.81	1.53	0.082	5%
		96	10.6	6.7	0.90	0.90	--	--	20	20	1,000	1,500	2.01	1.56	0.092	6%
Filtrate + Wash:											1,000	2,470	1.15	--	0.088	6%
													Tail Assay, oz/st:		1.435	
Chemical Consumptions															1.453	
Sodium Cyanide, pounds NaCN per dry ton of ore:													0.07	Avg. Tails, oz/st:		1.444
Hydrated lime, pounds Ca(OH) ₂ per dry ton of ore:													2.00	Calc. Head, oz/st:		1.532
															Extracted, %:	6%

Notes: (*) - Before chemical additions. (**) - Sparged with oxygen when below 4. (***) - 20 mLs removed at each sampling interval and replaced with fresh water.

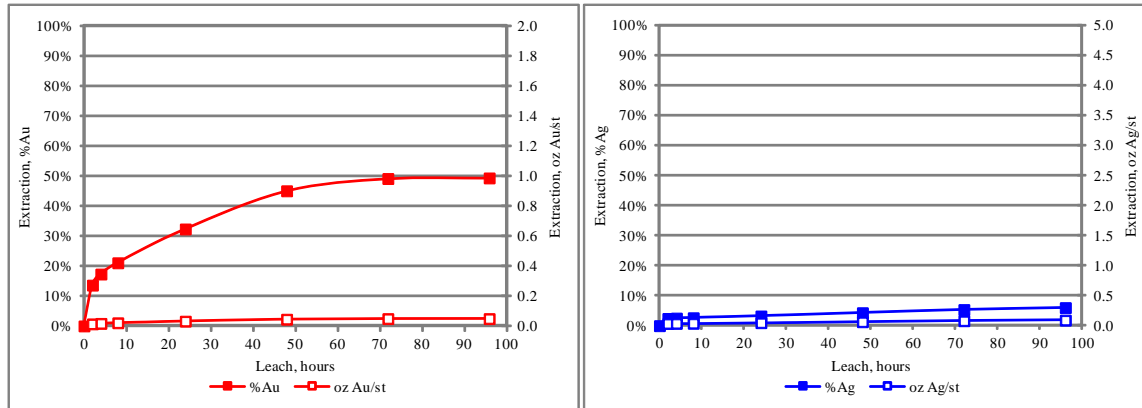


Table 3-12.
Cordex Project
ES-14, 360-365
KCA Sample No. 70903
KCA Test No. 70918 C
As-received Material, Calculated 80% passing 0.24 inches
Tail Screen Analysis

KCA Sample No.	KCA Test No.	Passing, inches/ mesh Tyler	Retained, inches/ mesh Tyler	Dry Screen Analysis			
				Sample Weight, grams	Weight Distribution, %	Cumulative Weight Retained, %	Cumulative Weight Passing, %
70903	70918 C		0.25 inch	200.56	20.2%	20.2%	
		0.25 inch	10 mesh	435.66	44.0%	64.2%	79.8%
		10 mesh	28 mesh	205.51	20.7%	84.9%	35.8%
		28 mesh	65 mesh	81.57	8.2%	93.2%	15.1%
		65 mesh	Pan	67.60	6.8%	100.0%	6.8%
Total -				990.90	100.0%		

Table 3-13.
Cordex Project
ES-14, 360-365
KCA Sample No. 70903
KCA Test No. 70922 C
Cyanide Bottle Roll Leach Test, Target 1.0 grams per liter NaCN
Pulverized Material, Target 80% passing 200 mesh Tyler
(1,000 grams solids + 1,500 milliliters solution)

KCA Sample No.	KCA Test No.	Period, hours	pH*	Dissolved Oxygen, mg/L**	Free NaCN, gpL*	Total NaCN, gpL*	Added NaCN, grams	Added Ca(OH) ₂ , grams	Volume Out, mLs***	Volume In, mLs***	Feed Ore Wt., grams	Total Solution Volume, mLs	Solution AAS, mg Au/L	Solution AAS, mg Cu/L	Extracted, oz Au/st	Cumulative Au Extraction, %
70903	70922 C	0	8.7	--	--	--	1.50	0.50	--	--	1,000	1,500	--	--	--	0%
		2	10.2	5.3	0.96	1.05	0.00	0.25	20	20	1,000	1,500	0.91	1.28	0.0398	43%
		4	10.6	5.8	0.98	1.03	0.00	0.00	20	20	1,000	1,500	1.58	1.43	0.0697	75%
		8	10.5	5.8	0.94	0.97	0.00	0.00	20	20	1,000	1,500	1.78	1.51	0.0793	85%
		24	10.4	6.2	0.93	0.96	0.00	0.25	20	20	1,000	1,500	1.76	1.60	0.0795	85%
		48	10.7	6.4	0.94	0.96	0.00	0.00	20	20	1,000	1,500	1.71	1.66	0.0783	84%
		72	10.4	6.6	0.94	0.94	0.00	0.25	20	20	1,000	1,500	1.70	1.64	0.0789	85%
		96	10.7	6.9	0.94	0.94	--	--	20	20	1,000	1,500	1.70	1.59	0.0799	86%
Filtrate + Wash:											1,000	2,180	1.28	--	0.0879	95%
													Tail Assay, oz/st:		0.0052	
Chemical Consumptions															0.0050	
Sodium Cyanide, pounds NaCN per dry ton of ore:													<0.02	Avg. Tails, oz/st:		0.0051
Hydrated lime, pounds Ca(OH) ₂ per dry ton of ore:													2.50	Calc. Head, oz/st:		0.0930
															Extracted, %:	95%

Notes: (*) - Before chemical additions. (**) - Sparged with oxygen when below 4. (***) - 20 mLs removed at each sampling interval and replaced with fresh water.

KCA Sample No.	KCA Test No.	Period, hours	pH*	Dissolved Oxygen, mg/L**	Free NaCN, gpL*	Total NaCN, gpL*	Added NaCN, grams	Added Ca(OH) ₂ , grams	Volume Out, mLs***	Volume In, mLs***	Feed Ore Wt., grams	Total Solution Volume, mLs	Solution AAS, mg Ag/L	Solution AAS, mg Cu/L	Extracted, oz Ag/st	Cumulative Ag Extraction, %
70903	70922 C	0	8.7	--	--	--	1.50	0.50	--	--	1,000	1,500	--	--	--	0%
		2	10.2	5.3	0.96	1.05	0.00	0.25	20	20	1,000	1,500	8.9	1.28	0.389	28%
		4	10.6	5.8	0.98	1.03	0.00	0.00	20	20	1,000	1,500	9.4	1.43	0.416	30%
		8	10.5	5.8	0.94	0.97	0.00	0.00	20	20	1,000	1,500	9.6	1.51	0.431	31%
		24	10.4	6.2	0.93	0.96	0.00	0.25	20	20	1,000	1,500	9.8	1.60	0.445	32%
		48	10.7	6.4	0.94	0.96	0.00	0.00	20	20	1,000	1,500	9.9	1.66	0.455	33%
		72	10.4	6.6	0.94	0.94	0.00	0.25	20	20	1,000	1,500	9.3	1.64	0.435	31%
		96	10.7	6.9	0.94	0.94	--	--	20	20	1,000	1,500	9.3	1.59	0.440	32%
Filtrate + Wash:											1,000	2,180	6.3	--	0.439	32%
													Tail Assay, oz/st:		0.945	
Chemical Consumptions															0.963	
Sodium Cyanide, pounds NaCN per dry ton of ore:													<0.02	Avg. Tails, oz/st:		0.954
Hydrated lime, pounds Ca(OH) ₂ per dry ton of ore:													2.50	Calc. Head, oz/st:		1.393
															Extracted, %:	32%

Notes: (*) - Before chemical additions. (**) - Sparged with oxygen when below 4. (***) - 20 mLs removed at each sampling interval and replaced with fresh water.

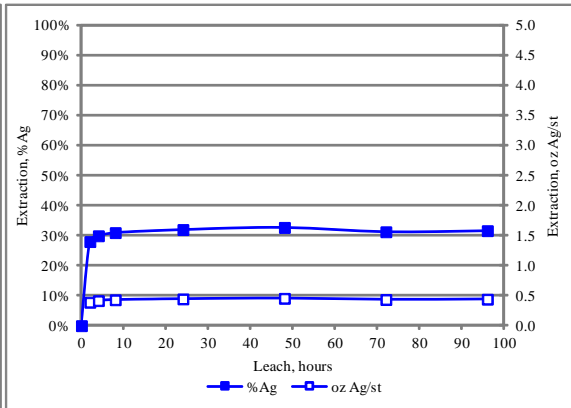
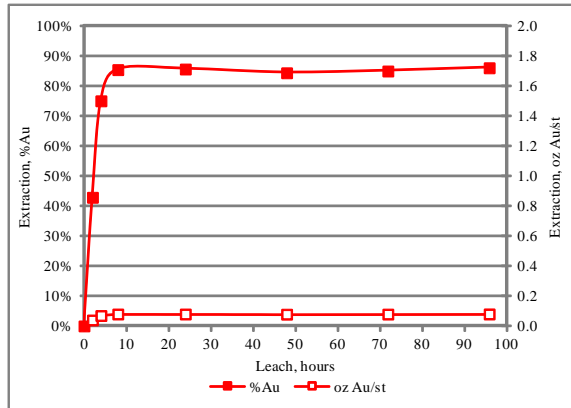


Table 3-14.
Cordex Project
ES-14, 465-470
KCA Sample No. 70904
KCA Test No. 70918 D
Cyanide Bottle Roll Leach Test, Target 1.0 grams per liter NaCN
As-received Material, Calculated 80% passing 0.21 inches
(1,500 grams solids + 2,250 milliliters solution)

KCA Sample No.	KCA Test No.	Period, hours	pH*	Dissolved Oxygen, mg/L**	Free NaCN, gpL*	Total NaCN, gpL*	Added NaCN, grams	Added Ca(OH) ₂ , grams	Volume Out, mLs***	Volume In, mLs***	Feed Ore Wt., grams	Total Solution Volume, mLs	Solution AAS, mg Au/L	Solution AAS, mg Cu/L	Extracted, oz Au/st	Cumulative Au Extraction, %
70904	70918 D	0	8.3	--	--	--	2.25	0.75	--	--	1,500	2,250	--	--	--	0%
		2	10.8	6.4	1.02	1.02	0.00	0.00	20	20	1,500	2,250	0.09	1.05	0.0039	19%
		4	10.5	6.6	1.01	1.01	0.00	0.00	20	20	1,500	2,250	0.12	1.09	0.0053	25%
		8	10.6	6.5	0.98	0.98	0.00	0.00	20	20	1,500	2,250	0.17	1.15	0.0075	36%
		24	10.4	6.6	0.93	0.93	0.00	0.50	20	20	1,500	2,250	0.23	1.18	0.0102	49%
		48	10.8	6.4	0.93	0.93	0.00	0.00	20	20	1,500	2,250	0.28	1.19	0.0125	59%
		72	10.6	6.4	0.87	0.92	0.29	0.00	20	20	1,500	2,250	0.30	1.28	0.0135	64%
		96	10.4	6.6	1.00	1.02	--	--	20	20	1,500	2,250	0.30	1.14	0.0136	65%
Filtrate + Wash:											1,500	3,200	0.21	--	0.0136	65%
													Tail Assay, oz/st:		0.0071	
Chemical Consumptions															0.0077	
Sodium Cyanide, pounds NaCN per dry ton of ore:													0.23	Avg. Tails, oz/st:		0.0074
Hydrated lime, pounds Ca(OH) ₂ per dry ton of ore:													1.67	Calc. Head, oz/st:		0.0210
															Extracted, %:	65%

Notes: (*) - Before chemical additions. (**) - Sparged with oxygen when below 4. (***) - 20 mLs removed at each sampling interval and replaced with fresh water.

KCA Sample No.	KCA Test No.	Period, hours	pH*	Dissolved Oxygen, mg/L**	Free NaCN, gpL*	Total NaCN, gpL*	Added NaCN, grams	Added Ca(OH) ₂ , grams	Volume Out, mLs***	Volume In, mLs***	Feed Ore Wt., grams	Total Solution Volume, mLs	Solution AAS, mg Ag/L	Solution AAS, mg Cu/L	Extracted, oz Ag/st	Cumulative Ag Extraction, %
70904	70918 D	0	8.3	--	--	--	2.25	0.75	--	--	1,500	2,250	--	--	--	0%
		2	10.8	6.4	1.02	1.02	0.00	0.00	20	20	1,500	2,250	0.19	1.05	0.008	11%
		4	10.5	6.6	1.01	1.01	0.00	0.00	20	20	1,500	2,250	0.13	1.09	0.006	7%
		8	10.6	6.5	0.98	0.98	0.00	0.00	20	20	1,500	2,250	0.12	1.15	0.005	7%
		24	10.4	6.6	0.93	0.93	0.00	0.50	20	20	1,500	2,250	0.16	1.18	0.007	9%
		48	10.8	6.4	0.93	0.93	0.00	0.00	20	20	1,500	2,250	0.22	1.19	0.010	13%
		72	10.6	6.4	0.87	0.92	0.29	0.00	20	20	1,500	2,250	0.24	1.28	0.011	14%
		96	10.4	6.6	1.00	1.02	--	--	20	20	1,500	2,250	0.26	1.14	0.012	15%
Filtrate + Wash:											1,500	3,200	0.18	--	0.012	15%
													Tail Assay, oz/st:		0.070	
Chemical Consumptions															0.064	
Sodium Cyanide, pounds NaCN per dry ton of ore:													0.23	Avg. Tails, oz/st:		0.067
Hydrated lime, pounds Ca(OH) ₂ per dry ton of ore:													1.67	Calc. Head, oz/st:		0.079
															Extracted, %:	15%

Notes: (*) - Before chemical additions. (**) - Sparged with oxygen when below 4. (***) - 20 mLs removed at each sampling interval and replaced with fresh water.

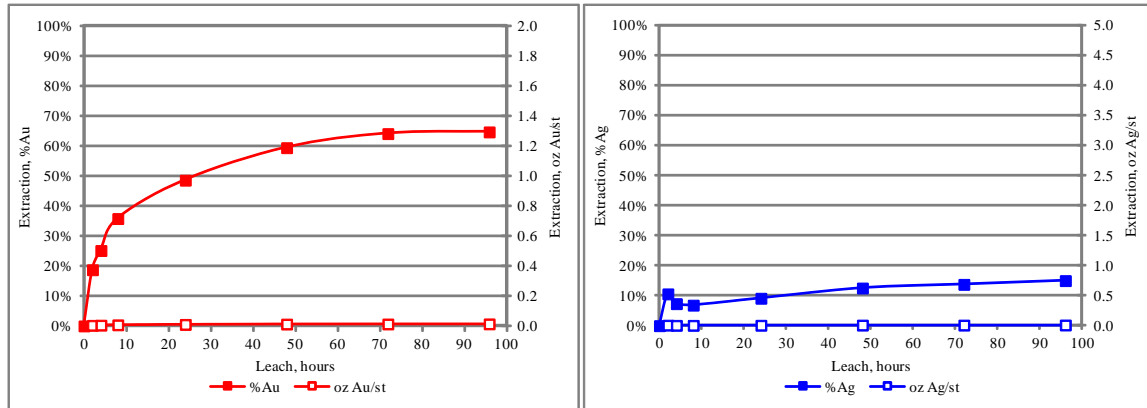


Table 3-15.
Cordex Project
ES-14, 465-470
KCA Sample No. 70904
KCA Test No. 70918 D
As-received Material, Calculated 80% passing 0.21 inches
Tail Screen Analysis

KCA Sample No.	KCA Test No.	Passing, inches/ mesh Tyler	Retained, inches/ mesh Tyler	Dry Screen Analysis			
				Sample Weight, grams	Weight Distribution, %	Cumulative Weight Retained, %	Cumulative Weight Passing, %
70904	70918 D		0.25 inch	166.79	11.3%	11.3%	
		0.25 inch	10 mesh	694.44	46.9%	58.1%	88.7%
		10 mesh	28 mesh	381.44	25.7%	83.8%	41.9%
		28 mesh	65 mesh	143.22	9.7%	93.5%	16.2%
		65 mesh	Pan	96.17	6.5%	100.0%	6.5%
Total -				1482.06	100.0%		

Table 3-16.
Cordex Project
ES-14, 465-470
KCA Sample No. 70904
KCA Test No. 70922 D
Cyanide Bottle Roll Leach Test, Target 1.0 grams per liter NaCN
Pulverized Material, Target 80% passing 200 mesh Tyler
(1,000 grams solids + 1,500 milliliters solution)

KCA Sample No.	KCA Test No.	Period, hours	pH*	Dissolved Oxygen, mg/L**	Free NaCN, gpL*	Total NaCN, gpL*	Added NaCN, grams	Added Ca(OH) ₂ , grams	Volume Out, mLs***	Volume In, mLs***	Feed Ore Wt., grams	Total Solution Volume, mLs	Solution AAS, mg Au/L	Solution AAS, mg Cu/L	Extracted, oz Au/st	Cumulative Au Extraction, %
70904	70922 D	0	8.8	--	--	--	1.50	0.50	--	--	1,000	1,500	--	--	--	0%
		2	10.0	5.9	0.91	1.06	0.00	0.25	20	20	1,000	1,500	0.27	0.67	0.0118	40%
		4	10.3	5.9	0.94	1.02	0.00	0.25	20	20	1,000	1,500	0.34	0.76	0.0150	51%
		8	10.6	5.8	0.97	0.98	0.00	0.00	20	20	1,000	1,500	0.40	0.81	0.0179	60%
		24	10.4	6.4	0.95	0.97	0.00	0.25	20	20	1,000	1,500	0.58	0.97	0.0260	87%
		48	10.6	6.6	0.95	0.97	0.00	0.00	20	20	1,000	1,500	0.61	1.00	0.0276	93%
		72	10.4	6.5	0.93	0.93	0.00	0.25	20	20	1,000	1,500	0.62	1.02	0.0284	95%
		96	10.6	6.9	0.93	0.93	--	--	20	20	1,000	1,500	0.61	1.00	0.0283	95%
Filtrate + Wash:											1,000	2,100	0.44	--	0.0290	97%
														Tail Assay, oz/st:	0.0008	
Chemical Consumptions															0.0008	
Sodium Cyanide, pounds NaCN per dry ton of ore:													<0.02	Avg. Tails, oz/st:	0.0008	
Hydrated lime, pounds Ca(OH) ₂ per dry ton of ore:													3.00	Calc. Head, oz/st:	0.0298	
															Extracted, %:	97%

Notes: (*) - Before chemical additions. (**) - Sparged with oxygen when below 4. (***) - 20 mLs removed at each sampling interval and replaced with fresh water.

KCA Sample No.	KCA Test No.	Period, hours	pH*	Dissolved Oxygen, mg/L**	Free NaCN, gpL*	Total NaCN, gpL*	Added NaCN, grams	Added Ca(OH) ₂ , grams	Volume Out, mLs***	Volume In, mLs***	Feed Ore Wt., grams	Total Solution Volume, mLs	Solution AAS, mg Ag/L	Solution AAS, mg Cu/L	Extracted, oz Ag/st	Cumulative Ag Extraction, %
70904	70922 D	0	8.8	--	--	--	1.50	0.50	--	--	1,000	1,500	--	--	--	0%
		2	10.0	5.9	0.91	1.06	0.00	0.25	20	20	1,000	1,500	0.59	0.67	0.026	34%
		4	10.3	5.9	0.94	1.02	0.00	0.25	20	20	1,000	1,500	0.50	0.76	0.022	29%
		8	10.6	5.8	0.97	0.98	0.00	0.00	20	20	1,000	1,500	0.54	0.81	0.024	32%
		24	10.4	6.4	0.95	0.97	0.00	0.25	20	20	1,000	1,500	0.66	0.97	0.030	39%
		48	10.6	6.6	0.95	0.97	0.00	0.00	20	20	1,000	1,500	0.70	1.00	0.032	42%
		72	10.4	6.5	0.93	0.93	0.00	0.25	20	20	1,000	1,500	0.70	1.02	0.032	42%
		96	10.6	6.9	0.93	0.93	--	--	20	20	1,000	1,500	0.70	1.00	0.033	43%
Filtrate + Wash:											1,000	2,100	0.49	--	0.033	43%
														Tail Assay, oz/st:	0.047	
Chemical Consumptions															0.041	
Sodium Cyanide, pounds NaCN per dry ton of ore:													<0.02	Avg. Tails, oz/st:	0.044	
Hydrated lime, pounds Ca(OH) ₂ per dry ton of ore:													3.00	Calc. Head, oz/st:	0.077	
															Extracted, %:	43%

Notes: (*) - Before chemical additions. (**) - Sparged with oxygen when below 4. (***) - 20 mLs removed at each sampling interval and replaced with fresh water.

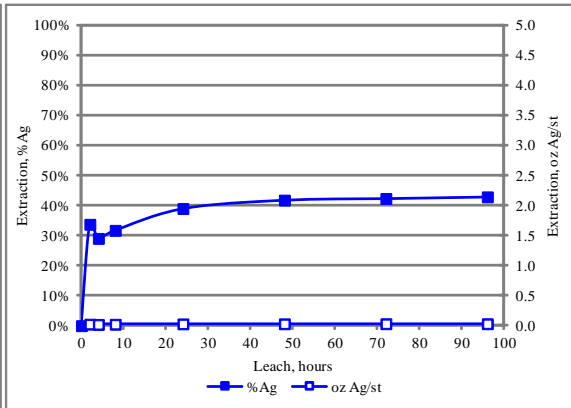
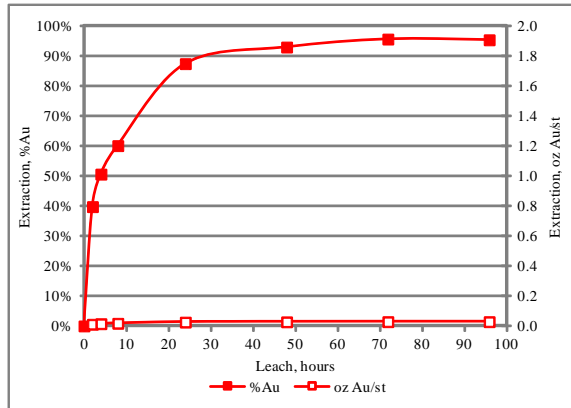


Table 3-17.
Cordex Project
ES-19, 740-745
KCA Sample No. 70905
KCA Test No. 70919 A
Cyanide Bottle Roll Leach Test, Target 1.0 grams per liter NaCN
As-received Material, Calculated 80% passing 0.14 inches
(1,500 grams solids + 2,250 milliliters solution)

KCA Sample No.	KCA Test No.	Period, hours	pH*	Dissolved Oxygen, mg/L**	Free NaCN, gpL*	Total NaCN, gpL*	Added NaCN, grams	Added Ca(OH) ₂ , grams	Volume Out, mLs***	Volume In, mLs***	Feed Ore Wt., grams	Total Solution Volume, mLs	Solution AAS, mg Au/L	Solution AAS, mg Cu/L	Extracted, oz Au/st	Cumulative Au Extraction, %
70905	70919 A	0	8.4	--	--	--	2.25	0.75	--	--	1,500	2,250	--	--	--	0%
		2	11.2	6.3	1.04	1.04	0.00	0.00	20	20	1,500	2,250	0.17	0.91	0.0074	10%
		4	11.3	6.4	1.03	1.03	0.00	0.00	20	20	1,500	2,250	0.26	1.02	0.0114	16%
		8	11.2	6.4	1.00	1.00	0.00	0.00	20	20	1,500	2,250	0.36	1.03	0.0159	22%
		24	11.0	6.4	0.98	0.98	0.00	0.00	20	20	1,500	2,250	0.80	1.10	0.0353	48%
		48	10.8	6.4	0.93	0.93	0.00	0.00	20	20	1,500	2,250	1.10	1.19	0.0487	66%
		72	10.7	6.4	0.93	0.93	0.00	0.00	20	20	1,500	2,250	1.23	1.35	0.0549	75%
		96	10.5	6.4	0.93	0.93	--	--	20	20	1,500	2,250	1.24	1.37	0.0558	76%
Filtrate + Wash:											1,500	3,540	0.69	--	0.0495	67%
													Tail Assay, oz/st:		0.0234	
Chemical Consumptions															0.0247	
Sodium Cyanide, pounds NaCN per dry ton of ore:													0.05	Avg. Tails, oz/st:		0.0241
Hydrated lime, pounds Ca(OH) ₂ per dry ton of ore:													1.00	Calc. Head, oz/st:		0.0736
															Extracted, %:	67%

Notes: (*) - Before chemical additions. (**) - Sparged with oxygen when below 4. (***) - 20 mLs removed at each sampling interval and replaced with fresh water.

KCA Sample No.	KCA Test No.	Period, hours	pH*	Dissolved Oxygen, mg/L**	Free NaCN, gpL*	Total NaCN, gpL*	Added NaCN, grams	Added Ca(OH) ₂ , grams	Volume Out, mLs***	Volume In, mLs***	Feed Ore Wt., grams	Total Solution Volume, mLs	Solution AAS, mg Ag/L	Solution AAS, mg Cu/L	Extracted, oz Ag/st	Cumulative Ag Extraction, %
70905	70919 A	0	8.4	--	--	--	2.25	0.75	--	--	1,500	2,250	--	--	--	0%
		2	11.2	6.3	1.04	1.04	0.00	0.00	20	20	1,500	2,250	1.18	0.91	0.052	3%
		4	11.3	6.4	1.03	1.03	0.00	0.00	20	20	1,500	2,250	1.31	1.02	0.058	4%
		8	11.2	6.4	1.00	1.00	0.00	0.00	20	20	1,500	2,250	1.47	1.03	0.065	4%
		24	11.0	6.4	0.98	0.98	0.00	0.00	20	20	1,500	2,250	1.93	1.10	0.086	5%
		48	10.8	6.4	0.93	0.93	0.00	0.00	20	20	1,500	2,250	2.40	1.19	0.107	7%
		72	10.7	6.4	0.93	0.93	0.00	0.00	20	20	1,500	2,250	2.61	1.35	0.117	7%
		96	10.5	6.4	0.93	0.93	--	--	20	20	1,500	2,250	2.76	1.37	0.125	8%
Filtrate + Wash:											1,500	3,540	1.45	--	0.105	7%
													Tail Assay, oz/st:		1.494	
Chemical Consumptions															1.470	
Sodium Cyanide, pounds NaCN per dry ton of ore:													0.05	Avg. Tails, oz/st:		1.482
Hydrated lime, pounds Ca(OH) ₂ per dry ton of ore:													1.00	Calc. Head, oz/st:		1.587
															Extracted, %:	7%

Notes: (*) - Before chemical additions. (**) - Sparged with oxygen when below 4. (***) - 20 mLs removed at each sampling interval and replaced with fresh water.

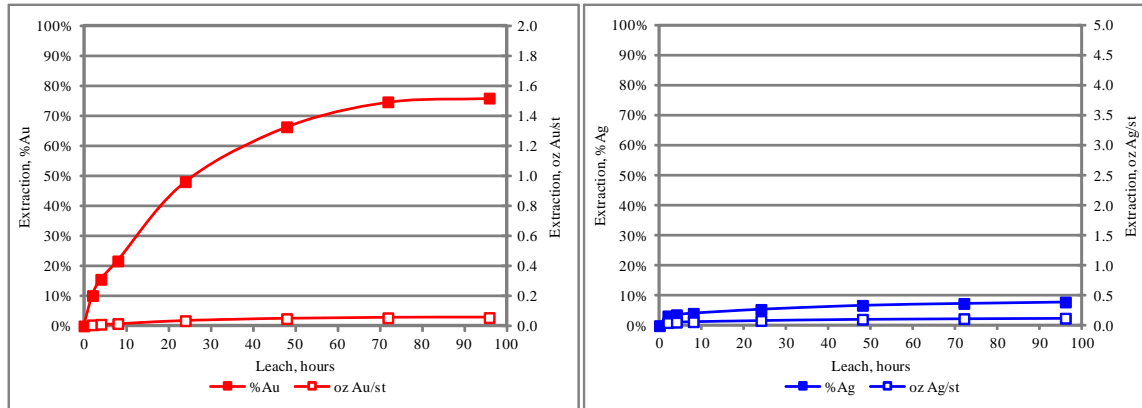


Table 3-18.
Cordex Project
ES-19, 740-745
KCA Sample No. 70905
KCA Test No. 70919 A
As-received Material, Calculated 80% passing 0.14 inches
Tail Screen Analysis

KCA Sample No.	KCA Test No.	Passing, inches/ mesh Tyler	Retained, inches/ mesh Tyler	Dry Screen Analysis			
				Sample Weight, grams	Weight Distribution, %	Cumulative Weight Retained, %	Cumulative Weight Passing, %
70905	70919 A		0.25 inch	4.69	0.3%	0.3%	
		0.25 inch	10 mesh	357.18	23.9%	24.3%	99.7%
		10 mesh	28 mesh	400.02	26.8%	51.1%	75.7%
		28 mesh	65 mesh	341.22	22.9%	74.0%	48.9%
		65 mesh	Pan	388.40	26.0%	100.0%	26.0%
Total -				1491.51	100.0%		

Table 3-19.
Cordex Project
ES-19, 740-745
KCA Sample No. 70905
KCA Test No. 70923 A
Cyanide Bottle Roll Leach Test, Target 1.0 grams per liter NaCN
Pulverized Material, Target 80% passing 200 mesh Tyler
(1,000 grams solids + 1,500 milliliters solution)

KCA Sample No.	KCA Test No.	Period, hours	pH*	Dissolved Oxygen, mg/L**	Free NaCN, gpL*	Total NaCN, gpL*	Added NaCN, grams	Added Ca(OH) ₂ , grams	Volume Out, mLs***	Volume In, mLs***	Feed Ore Wt., grams	Total Solution Volume, mLs	Solution AAS, mg Au/L	Solution AAS, mg Cu/L	Extracted, oz Au/st	Cumulative Au Extraction, %
70905	70923 A	0	9.4	--	--	--	1.50	0.50	--	--	1,000	1,500	--	--	--	0%
		2	10.9	6.4	1.05	1.05	0.00	0.00	20	20	1,000	1,500	0.16	0.94	0.0070	9%
		4	10.9	6.5	1.01	1.01	0.00	0.00	20	20	1,000	1,500	0.23	1.03	0.0102	13%
		8	10.9	6.7	0.97	0.97	0.00	0.00	20	20	1,000	1,500	0.33	1.06	0.0147	19%
		24	10.8	6.7	0.93	0.93	0.00	0.00	20	20	1,000	1,500	1.11	1.19	0.0490	65%
		48	10.8	6.5	0.93	0.93	0.00	0.00	20	20	1,000	1,500	1.45	1.23	0.0645	86%
		72	10.6	6.7	0.91	0.91	0.00	0.00	20	20	1,000	1,500	1.50	1.28	0.0675	90%
		96	10.5	6.7	0.91	0.91	--	--	20	20	1,000	1,500	1.46	1.25	0.0667	88%
Filtrate + Wash:											1,000	2,220	1.10	--	0.0749	99%
														Tail Assay, oz/st:		0.0006
Chemical Consumptions																0.0005
Sodium Cyanide, pounds NaCN per dry ton of ore:												0.04	Avg. Tails, oz/st:		0.0006	
Hydrated lime, pounds Ca(OH) ₂ per dry ton of ore:												1.00	Calc. Head, oz/st:		0.0754	
														Extracted, %:		99%

Notes: (*) - Before chemical additions. (**) - Sparged with oxygen when below 4. (***) - 20 mLs removed at each sampling interval and replaced with fresh water.

KCA Sample No.	KCA Test No.	Period, hours	pH*	Dissolved Oxygen, mg/L**	Free NaCN, gpL*	Total NaCN, gpL*	Added NaCN, grams	Added Ca(OH) ₂ , grams	Volume Out, mLs***	Volume In, mLs***	Feed Ore Wt., grams	Total Solution Volume, mLs	Solution AAS, mg Ag/L	Solution AAS, mg Cu/L	Extracted, oz Ag/st	Cumulative Ag Extraction, %
70905	70923 A	0	9.4	--	--	--	1.50	0.50	--	--	1,000	1,500	--	--	--	0%
		2	10.9	6.4	1.05	1.05	0.00	0.00	20	20	1,000	1,500	8.8	0.94	0.385	26%
		4	10.9	6.5	1.01	1.01	0.00	0.00	20	20	1,000	1,500	9.6	1.03	0.425	28%
		8	10.9	6.7	0.97	0.97	0.00	0.00	20	20	1,000	1,500	9.9	1.06	0.444	30%
		24	10.8	6.7	0.93	0.93	0.00	0.00	20	20	1,000	1,500	11.8	1.19	0.533	36%
		48	10.8	6.5	0.93	0.93	0.00	0.00	20	20	1,000	1,500	12.0	1.23	0.548	37%
		72	10.6	6.7	0.91	0.91	0.00	0.00	20	20	1,000	1,500	11.9	1.28	0.551	37%
		96	10.5	6.7	0.91	0.91	--	--	20	20	1,000	1,500	11.9	1.25	0.558	37%
Filtrate + Wash:											1,000	2,220	8.1	--	0.569	38%
														Tail Assay, oz/st:		0.939
Chemical Consumptions																0.916
Sodium Cyanide, pounds NaCN per dry ton of ore:												0.04	Avg. Tails, oz/st:		0.928	
Hydrated lime, pounds Ca(OH) ₂ per dry ton of ore:												1.00	Calc. Head, oz/st:		1.496	
														Extracted, %:		38%

Notes: (*) - Before chemical additions. (**) - Sparged with oxygen when below 4. (***) - 20 mLs removed at each sampling interval and replaced with fresh water.

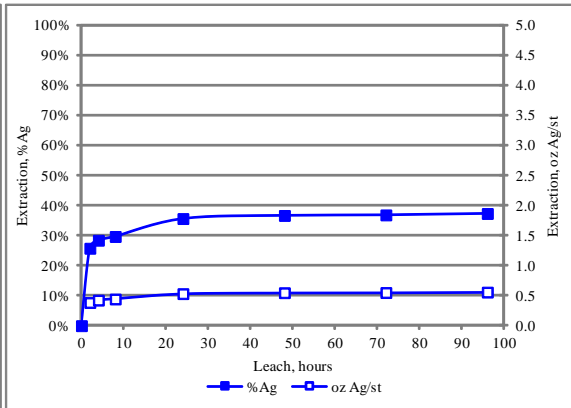
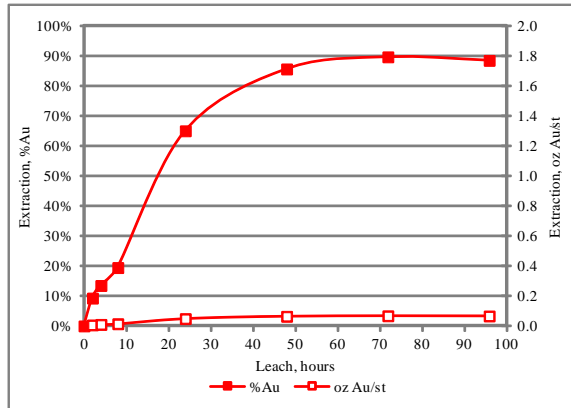


Table 3-20.
Cordex Project
ES-20, 480-485
KCA Sample No. 70906
KCA Test No. 70919 B
Cyanide Bottle Roll Leach Test, Target 1.0 grams per liter NaCN
As-received Material, Calculated 80% passing 0.24 inches
(1,500 grams solids + 2,250 milliliters solution)

KCA Sample No.	KCA Test No.	Period, hours	pH*	Dissolved Oxygen, mg/L**	Free NaCN, gpL*	Total NaCN, gpL*	Added NaCN, grams	Added Ca(OH) ₂ , grams	Volume Out, mLs***	Volume In, mLs***	Feed Ore Wt., grams	Total Solution Volume, mLs	Solution AAS, mg Au/L	Solution AAS, mg Cu/L	Extracted, oz Au/st	Cumulative Au Extraction, %
70906	70919 B	0	8.4	--	--	--	2.25	0.75	--	--	1,500	2,250	--	--	--	0%
		2	11.3	6.4	0.98	0.98	0.00	0.00	20	20	1,500	2,250	0.16	0.94	0.0070	4%
		4	11.1	6.5	0.97	0.97	0.00	0.00	20	20	1,500	2,250	0.28	1.05	0.0123	7%
		8	11.0	6.5	0.95	0.95	0.00	0.00	20	20	1,500	2,250	0.40	1.13	0.0177	11%
		24	10.8	6.5	0.94	0.94	0.00	0.00	20	20	1,500	2,250	0.70	1.23	0.0310	19%
		48	10.6	6.5	0.90	0.90	0.00	0.00	20	20	1,500	2,250	0.89	1.36	0.0395	24%
		72	10.5	6.5	0.86	0.90	0.32	0.00	20	20	1,500	2,250	1.00	1.42	0.0447	27%
		96	10.3	6.5	1.01	1.04	--	--	20	20	1,500	2,250	0.99	1.43	0.0446	27%
Filtrate + Wash:											1,500	3,400	0.69	--	0.0473	29%
													Tail Assay, oz/st:		0.1180	
Chemical Consumptions															0.1170	
Sodium Cyanide, pounds NaCN per dry ton of ore:													0.25	Avg. Tails, oz/st:		0.1175
Hydrated lime, pounds Ca(OH) ₂ per dry ton of ore:													1.00	Calc. Head, oz/st:		0.1648
															29%	

Notes: (*) - Before chemical additions. (**) - Sparged with oxygen when below 4. (***) - 20 mLs removed at each sampling interval and replaced with fresh water.

KCA Sample No.	KCA Test No.	Period, hours	pH*	Dissolved Oxygen, mg/L**	Free NaCN, gpL*	Total NaCN, gpL*	Added NaCN, grams	Added Ca(OH) ₂ , grams	Volume Out, mLs***	Volume In, mLs***	Feed Ore Wt., grams	Total Solution Volume, mLs	Solution AAS, mg Ag/L	Solution AAS, mg Cu/L	Extracted, oz Ag/st	Cumulative Ag Extraction, %
70906	70919 B	0	8.4	--	--	--	2.25	0.75	--	--	1,500	2,250	--	--	--	0%
		2	11.3	6.4	0.98	0.98	0.00	0.00	20	20	1,500	2,250	0.66	0.94	0.029	2%
		4	11.1	6.5	0.97	0.97	0.00	0.00	20	20	1,500	2,250	0.73	1.05	0.032	3%
		8	11.0	6.5	0.95	0.95	0.00	0.00	20	20	1,500	2,250	0.82	1.13	0.036	3%
		24	10.8	6.5	0.94	0.94	0.00	0.00	20	20	1,500	2,250	1.05	1.23	0.047	4%
		48	10.6	6.5	0.90	0.90	0.00	0.00	20	20	1,500	2,250	1.31	1.36	0.059	5%
		72	10.5	6.5	0.86	0.90	0.32	0.00	20	20	1,500	2,250	1.54	1.42	0.069	6%
		96	10.3	6.5	1.01	1.04	--	--	20	20	1,500	2,250	1.68	1.43	0.076	6%
Filtrate + Wash:											1,500	3,400	1.10	--	0.076	6%
													Tail Assay, oz/st:		1.103	
Chemical Consumptions															1.091	
Sodium Cyanide, pounds NaCN per dry ton of ore:													0.25	Avg. Tails, oz/st:		1.097
Hydrated lime, pounds Ca(OH) ₂ per dry ton of ore:													1.00	Calc. Head, oz/st:		1.173
															6%	

Notes: (*) - Before chemical additions. (**) - Sparged with oxygen when below 4. (***) - 20 mLs removed at each sampling interval and replaced with fresh water.

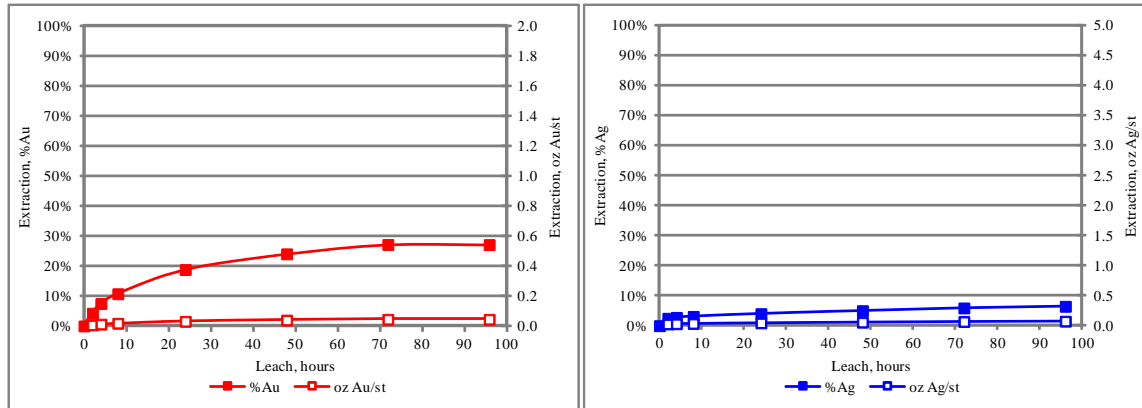


Table 3-21.
Cordex Project
ES-20, 480-485
KCA Sample No. 70906
KCA Test No. 70919 B
As-received Material, Calculated 80% passing 0.24 inches
Tail Screen Analysis

KCA Sample No.	KCA Test No.	Passing, inches/ mesh Tyler	Retained, inches/ mesh Tyler	Dry Screen Analysis			
				Sample Weight, grams	Weight Distribution, %	Cumulative Weight Retained, %	Cumulative Weight Passing, %
70906	70919 B		0.25 inch	274.22	18.4%	18.4%	
		0.25 inch	10 mesh	765.69	51.4%	69.8%	81.6%
		10 mesh	28 mesh	251.29	16.9%	86.6%	30.2%
		28 mesh	65 mesh	107.21	7.2%	93.8%	13.4%
		65 mesh	Pan	92.50	6.2%	100.0%	6.2%
Total -				1490.91	100.0%		

Table 3-22.
Cordex Project
ES-20, 480-485
KCA Sample No. 70906
KCA Test No. 70923 B
Cyanide Bottle Roll Leach Test, Target 1.0 grams per liter NaCN
Pulverized Material, Target 80% passing 200 mesh Tyler
(1,000 grams solids + 1,500 milliliters solution)

KCA Sample No.	KCA Test No.	Period, hours	pH*	Dissolved Oxygen, mg/L**	Free NaCN, gpL*	Total NaCN, gpL*	Added NaCN, grams	Added Ca(OH) ₂ , grams	Volume Out, mLs***	Volume In, mLs***	Feed Ore Wt., grams	Total Solution Volume, mLs	Solution AAS, mg Au/L	Solution AAS, mg Cu/L	Extracted, oz Au/st	Cumulative Au Extraction, %
70906	70923 B	0	9.1	--	--	--	1.50	0.50	--	--	1,000	1,500	--	--	--	0%
		2	10.4	6.5	0.98	1.04	0.00	0.25	20	20	1,000	1,500	0.53	1.43	0.0232	16%
		4	10.8	6.4	0.98	0.98	0.00	0.00	20	20	1,000	1,500	0.99	1.58	0.0436	31%
		8	10.7	6.5	0.96	0.96	0.00	0.00	20	20	1,000	1,500	1.34	1.68	0.0595	42%
		24	10.6	6.6	0.94	0.94	0.00	0.00	20	20	1,000	1,500	2.17	2.01	0.0966	68%
		48	10.5	6.5	0.92	0.94	0.00	0.00	20	20	1,000	1,500	2.64	2.26	0.1184	84%
		72	10.4	6.6	0.88	0.88	0.18	0.25	20	20	1,000	1,500	2.49	2.45	0.1134	80%
		96	10.6	6.8	1.01	1.01	--	--	20	20	1,000	1,500	2.67	2.46	0.1227	87%
Filtrate + Wash:											1,000	2,160	2.08	--	0.1385	98%
													Tail Assay, oz/st:		0.0028	
Chemical Consumptions															0.0028	
Sodium Cyanide, pounds NaCN per dry ton of ore:													0.10	Avg. Tails, oz/st:		0.0028
Hydrated lime, pounds Ca(OH) ₂ per dry ton of ore:													2.00	Calc. Head, oz/st:		0.1413
															Extracted, %:	98%

Notes: (*) - Before chemical additions. (**) - Sparged with oxygen when below 4. (***) - 20 mLs removed at each sampling interval and replaced with fresh water.

KCA Sample No.	KCA Test No.	Period, hours	pH*	Dissolved Oxygen, mg/L**	Free NaCN, gpL*	Total NaCN, gpL*	Added NaCN, grams	Added Ca(OH) ₂ , grams	Volume Out, mLs***	Volume In, mLs***	Feed Ore Wt., grams	Total Solution Volume, mLs	Solution AAS, mg Ag/L	Solution AAS, mg Cu/L	Extracted, oz Ag/st	Cumulative Ag Extraction, %
70906	70923 B	0	9.1	--	--	--	1.50	0.50	--	--	1,000	1,500	--	--	--	0%
		2	10.4	6.5	0.98	1.04	0.00	0.25	20	20	1,000	1,500	9.1	1.43	0.398	31%
		4	10.8	6.4	0.98	0.98	0.00	0.00	20	20	1,000	1,500	9.6	1.58	0.425	33%
		8	10.7	6.5	0.96	0.96	0.00	0.00	20	20	1,000	1,500	10.5	1.68	0.470	36%
		24	10.6	6.6	0.94	0.94	0.00	0.00	20	20	1,000	1,500	12.7	2.01	0.573	44%
		48	10.5	6.5	0.92	0.94	0.00	0.00	20	20	1,000	1,500	13.1	2.26	0.598	46%
		72	10.4	6.6	0.88	0.88	0.18	0.25	20	20	1,000	1,500	12.9	2.45	0.596	46%
		96	10.6	6.8	1.01	1.01	--	--	20	20	1,000	1,500	12.8	2.46	0.600	46%
Filtrate + Wash:											1,000	2,160	9.8	--	0.664	51%
													Tail Assay, oz/st:		0.624	
Chemical Consumptions															0.642	
Sodium Cyanide, pounds NaCN per dry ton of ore:													0.10	Avg. Tails, oz/st:		0.633
Hydrated lime, pounds Ca(OH) ₂ per dry ton of ore:													2.00	Calc. Head, oz/st:		1.297
															Extracted, %:	51%

Notes: (*) - Before chemical additions. (**) - Sparged with oxygen when below 4. (***) - 20 mLs removed at each sampling interval and replaced with fresh water.

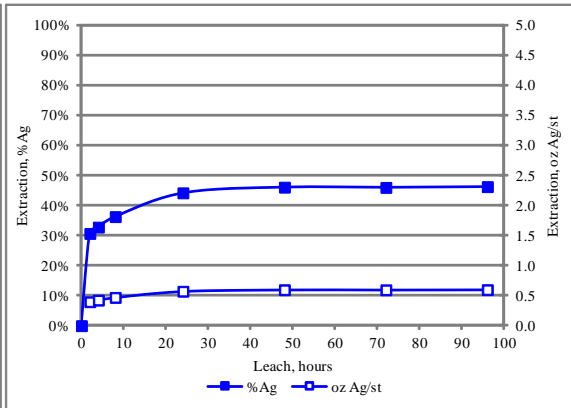
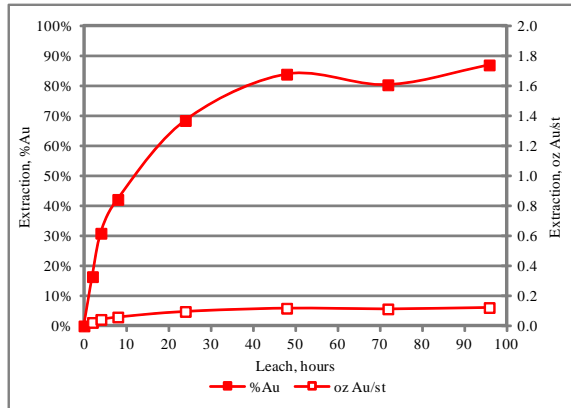


Table 3-23.
Cordex Project
ES-21, 560-565
KCA Sample No. 70907
KCA Test No. 70919 C
Cyanide Bottle Roll Leach Test, Target 1.0 grams per liter NaCN
As-received Material, Calculated 80% passing 0.14 inches
(1,500 grams solids + 2,250 milliliters solution)

KCA Sample No.	KCA Test No.	Period, hours	pH*	Dissolved Oxygen, mg/L**	Free NaCN, gpL*	Total NaCN, gpL*	Added NaCN, grams	Added Ca(OH) ₂ , grams	Volume Out, mLs***	Volume In, mLs***	Feed Ore Wt., grams	Total Solution Volume, mLs	Solution AAS, mg Au/L	Solution AAS, mg Cu/L	Extracted, oz Au/st	Cumulative Au Extraction, %	
70907	70919 C	0	8.5	--	--	--	2.25	0.75	--	--	1,500	2,250	--	--	--	0%	
		2	11.3	6.5	1.04	1.04	0.00	0.00	20	20	1,500	2,250	0.21	0.64	0.0092	24%	
		4	11.2	6.6	1.02	1.02	0.00	0.00	20	20	1,500	2,250	0.32	0.71	0.0141	37%	
		8	11.2	6.5	1.01	1.01	0.00	0.00	20	20	1,500	2,250	0.38	0.71	0.0168	44%	
		24	10.9	6.5	0.95	0.95	0.00	0.00	20	20	1,500	2,250	0.52	0.77	0.0231	60%	
		48	10.8	6.6	0.95	0.95	0.00	0.00	20	20	1,500	2,250	0.59	0.84	0.0264	68%	
		72	10.7	6.6	0.90	0.95	0.00	0.00	20	20	1,500	2,250	0.62	0.88	0.0279	72%	
		96	10.4	6.7	0.91	0.91	--	--	20	20	1,500	2,250	0.59	0.83	0.0268	70%	
Filtrate + Wash:												1,500	3,480	0.42	--	0.0297	77%
												Tail Assay, oz/st:		0.0086			
												Chemical Consumptions		0.0092			
												Sodium Cyanide, pounds NaCN per dry ton of ore:		0.11	Avg. Tails, oz/st:	0.0089	
												Hydrated lime, pounds Ca(OH) ₂ per dry ton of ore:		1.00	Calc. Head, oz/st:	0.0386	
														Extracted, %:	77%		

Notes: (*) - Before chemical additions. (**) - Sparged with oxygen when below 4. (***) - 20 mLs removed at each sampling interval and replaced with fresh water.

KCA Sample No.	KCA Test No.	Period, hours	pH*	Dissolved Oxygen, mg/L**	Free NaCN, gpL*	Total NaCN, gpL*	Added NaCN, grams	Added Ca(OH) ₂ , grams	Volume Out, mLs***	Volume In, mLs***	Feed Ore Wt., grams	Total Solution Volume, mLs	Solution AAS, mg Ag/L	Solution AAS, mg Cu/L	Extracted, oz Ag/st	Cumulative Ag Extraction, %	
70907	70919 C	0	8.5	--	--	--	2.25	0.75	--	--	1,500	2,250	--	--	--	0%	
		2	11.3	6.5	1.04	1.04	0.00	0.00	20	20	1,500	2,250	0.18	0.64	0.008	20%	
		4	11.2	6.6	1.02	1.02	0.00	0.00	20	20	1,500	2,250	0.18	0.71	0.008	20%	
		8	11.2	6.5	1.01	1.01	0.00	0.00	20	20	1,500	2,250	0.21	0.71	0.009	23%	
		24	10.9	6.5	0.95	0.95	0.00	0.00	20	20	1,500	2,250	0.27	0.77	0.012	30%	
		48	10.8	6.6	0.95	0.95	0.00	0.00	20	20	1,500	2,250	0.30	0.84	0.013	34%	
		72	10.7	6.6	0.90	0.95	0.00	0.00	20	20	1,500	2,250	0.32	0.88	0.014	36%	
		96	10.4	6.7	0.91	0.91	--	--	20	20	1,500	2,250	0.34	0.83	0.015	39%	
Filtrate + Wash:												1,500	3,480	0.24	--	0.017	42%
												Tail Assay, oz/st:		0.023			
												Chemical Consumptions		0.023			
												Sodium Cyanide, pounds NaCN per dry ton of ore:		0.11	Avg. Tails, oz/st:	0.023	
												Hydrated lime, pounds Ca(OH) ₂ per dry ton of ore:		1.00	Calc. Head, oz/st:	0.040	
														Extracted, %:	42%		

Notes: (*) - Before chemical additions. (**) - Sparged with oxygen when below 4. (***) - 20 mLs removed at each sampling interval and replaced with fresh water.

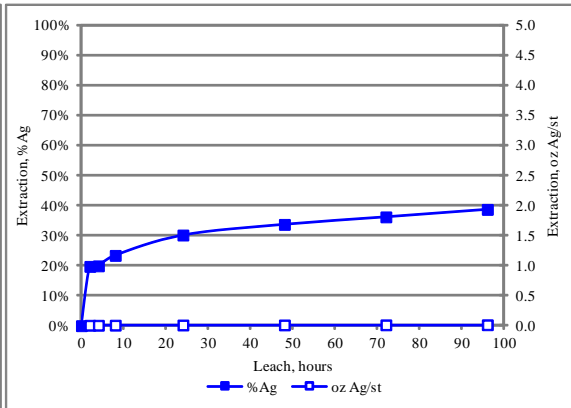
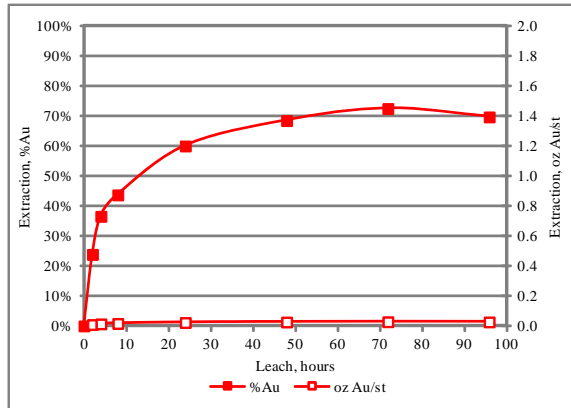


Table 3-24.
Cordex Project
ES-21, 560-565
KCA Sample No. 70907
KCA Test No. 70919 C
As-received Material, Calculated 80% passing 0.14 inches
Tail Screen Analysis

KCA Sample No.	KCA Test No.	Passing, inches/ mesh Tyler	Retained, inches/ mesh Tyler	Dry Screen Analysis			
				Sample Weight, grams	Weight Distribution, %	Cumulative Weight Retained, %	Cumulative Weight Passing, %
70907	70919 C		0.25 inch	21.06	1.4%	1.4%	
		0.25 inch	10 mesh	349.07	23.5%	25.0%	98.6%
		10 mesh	28 mesh	367.23	24.8%	49.7%	75.0%
		28 mesh	65 mesh	346.84	23.4%	73.1%	50.3%
		65 mesh	Pan	398.96	26.9%	100.0%	26.9%
Total -				1483.16	100.0%		

Table 3-25.
Cordex Project
ES-21, 560-565
KCA Sample No. 70907
KCA Test No. 70923 C
Cyanide Bottle Roll Leach Test, Target 1.0 grams per liter NaCN
Pulverized Material, Target 80% passing 200 mesh Tyler
(1,000 grams solids + 1,500 milliliters solution)

KCA Sample No.	KCA Test No.	Period, hours	pH*	Dissolved Oxygen, mg/L**	Free NaCN, gpL*	Total NaCN, gpL*	Added NaCN, grams	Added Ca(OH) ₂ , grams	Volume Out, mLs***	Volume In, mLs***	Feed Ore Wt., grams	Total Solution Volume, mLs	Solution AAS, mg Au/L	Solution AAS, mg Cu/L	Extracted, oz Au/st	Cumulative Au Extraction, %	
70907	70923 C	0	9.3	--	--	--	1.50	0.50	--	--	1,000	1,500	--	--	--	0%	
		2	10.8	6.6	1.03	1.03	0.00	0.00	20	20	1,000	1,500	0.37	0.71	0.0162	39%	
		4	10.8	6.6	0.99	0.99	0.00	0.00	20	20	1,000	1,500	0.60	0.76	0.0265	63%	
		8	10.8	6.6	0.98	0.98	0.00	0.00	20	20	1,000	1,500	0.72	0.77	0.0321	76%	
		24	10.7	6.6	0.94	0.94	0.00	0.00	20	20	1,000	1,500	0.90	0.85	0.0404	96%	
		48	10.7	6.4	0.94	0.94	0.00	0.00	20	20	1,000	1,500	0.89	0.85	0.0404	96%	
		72	10.5	6.5	0.91	0.94	0.00	0.00	20	20	1,000	1,500	0.88	0.86	0.0405	97%	
		96	10.5	6.7	0.91	0.91	--	--	20	20	1,000	1,500	0.85	0.86	0.0397	95%	
Filtrate + Wash:												1,000	2,260	0.58	--	0.0413	98%
												Tail Assay, oz/st:		0.0007			
Chemical Consumptions														0.0007			
Sodium Cyanide, pounds NaCN per dry ton of ore:												0.04	Avg. Tails, oz/st:		0.0007		
Hydrated lime, pounds Ca(OH) ₂ per dry ton of ore:												1.00	Calc. Head, oz/st:		0.0420		
														Extracted, %:	98%		

Notes: (*) - Before chemical additions. (**) - Sparged with oxygen when below 4. (***) - 20 mLs removed at each sampling interval and replaced with fresh water.

KCA Sample No.	KCA Test No.	Period, hours	pH*	Dissolved Oxygen, mg/L**	Free NaCN, gpL*	Total NaCN, gpL*	Added NaCN, grams	Added Ca(OH) ₂ , grams	Volume Out, mLs***	Volume In, mLs***	Feed Ore Wt., grams	Total Solution Volume, mLs	Solution AAS, mg Ag/L	Solution AAS, mg Cu/L	Extracted, oz Ag/st	Cumulative Ag Extraction, %	
70907	70923 C	0	9.3	--	--	--	1.50	0.50	--	--	1,000	1,500	--	--	--	0%	
		2	10.8	6.6	1.03	1.03	0.00	0.00	20	20	1,000	1,500	0.74	0.71	0.032	52%	
		4	10.8	6.6	0.99	0.99	0.00	0.00	20	20	1,000	1,500	0.78	0.76	0.035	56%	
		8	10.8	6.6	0.98	0.98	0.00	0.00	20	20	1,000	1,500	0.84	0.77	0.038	61%	
		24	10.7	6.6	0.94	0.94	0.00	0.00	20	20	1,000	1,500	0.94	0.85	0.043	69%	
		48	10.7	6.4	0.94	0.94	0.00	0.00	20	20	1,000	1,500	0.93	0.85	0.043	69%	
		72	10.5	6.5	0.91	0.94	0.00	0.00	20	20	1,000	1,500	0.92	0.86	0.043	69%	
		96	10.5	6.7	0.91	0.91	--	--	20	20	1,000	1,500	0.92	0.86	0.043	70%	
Filtrate + Wash:												1,000	2,260	0.61	--	0.044	71%
												Tail Assay, oz/st:		0.018			
Chemical Consumptions														0.018			
Sodium Cyanide, pounds NaCN per dry ton of ore:												0.04	Avg. Tails, oz/st:		0.018		
Hydrated lime, pounds Ca(OH) ₂ per dry ton of ore:												1.00	Calc. Head, oz/st:		0.062		
														Extracted, %:	71%		

Notes: (*) - Before chemical additions. (**) - Sparged with oxygen when below 4. (***) - 20 mLs removed at each sampling interval and replaced with fresh water.

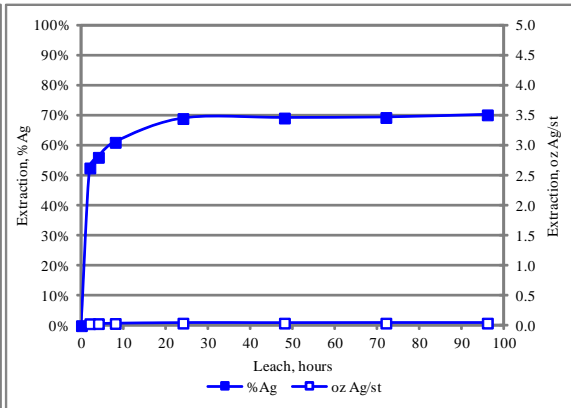
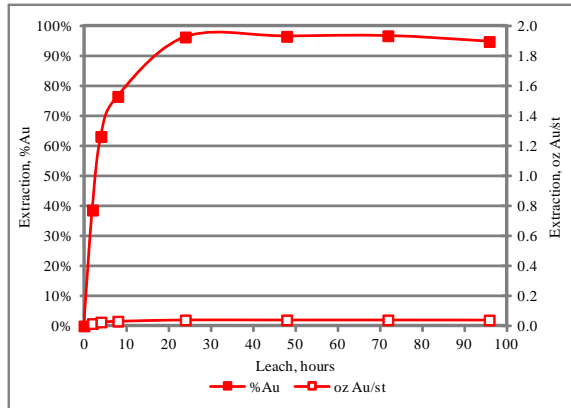


Table 3-26.
Cordex Project
ES-25, 165-170
KCA Sample No. 70908
KCA Test No. 70919 D
Cyanide Bottle Roll Leach Test, Target 1.0 grams per liter NaCN
As-received Material, Calculated 80% passing 0.25 inches
(1,500 grams solids + 2,250 milliliters solution)

KCA Sample No.	KCA Test No.	Period, hours	pH*	Dissolved Oxygen, mg/L**	Free NaCN, gpL*	Total NaCN, gpL*	Added NaCN, grams	Added Ca(OH) ₂ , grams	Volume Out, mLs***	Volume In, mLs***	Feed Ore Wt., grams	Total Solution Volume, mLs	Solution AAS, mg Au/L	Solution AAS, mg Cu/L	Extracted, oz Au/st	Cumulative Au Extraction, %
70908	70919 D	0	8.5	--	--	--	2.25	0.75	--	--	1,500	2,250	--	--	--	0%
		2	11.3	6.5	1.02	1.02	0.00	0.00	20	20	1,500	2,250	0.02	0.80	0.0009	5%
		4	11.2	6.6	1.02	1.02	0.00	0.00	20	20	1,500	2,250	0.03	0.87	0.0013	8%
		8	11.0	6.5	1.01	1.01	0.00	0.00	20	20	1,500	2,250	0.04	0.93	0.0018	11%
		24	10.7	6.6	0.97	0.97	0.00	0.00	20	20	1,500	2,250	0.06	0.96	0.0027	16%
		48	10.6	6.6	0.94	0.94	0.00	0.00	20	20	1,500	2,250	0.08	1.01	0.0036	22%
		72	10.5	6.6	0.89	0.93	0.25	0.00	20	20	1,500	2,250	0.08	1.02	0.0036	22%
		96	10.2	6.6	1.01	1.04	--	--	20	20	1,500	2,250	0.09	1.05	0.0041	25%
Filtrate + Wash:											1,500	3,260	0.05	--	0.0033	20%
													Tail Assay, oz/st:		0.0134	
Chemical Consumptions															0.0128	
Sodium Cyanide, pounds NaCN per dry ton of ore:													0.15	Avg. Tails, oz/st:		0.0131
Hydrated lime, pounds Ca(OH) ₂ per dry ton of ore:													1.00	Calc. Head, oz/st:		0.0164
													Extracted, %:		20%	

Notes: (*) - Before chemical additions. (**) - Sparged with oxygen when below 4. (***) - 20 mLs removed at each sampling interval and replaced with fresh water.

KCA Sample No.	KCA Test No.	Period, hours	pH*	Dissolved Oxygen, mg/L**	Free NaCN, gpL*	Total NaCN, gpL*	Added NaCN, grams	Added Ca(OH) ₂ , grams	Volume Out, mLs***	Volume In, mLs***	Feed Ore Wt., grams	Total Solution Volume, mLs	Solution AAS, mg Ag/L	Solution AAS, mg Cu/L	Extracted, oz Ag/st	Cumulative Ag Extraction, %
70908	70919 D	0	8.5	--	--	--	2.25	0.75	--	--	1,500	2,250	--	--	--	0%
		2	11.3	6.5	1.02	1.02	0.00	0.00	20	20	1,500	2,250	0.09	0.80	0.004	2%
		4	11.2	6.6	1.02	1.02	0.00	0.00	20	20	1,500	2,250	0.11	0.87	0.005	3%
		8	11.0	6.5	1.01	1.01	0.00	0.00	20	20	1,500	2,250	0.09	0.93	0.004	2%
		24	10.7	6.6	0.97	0.97	0.00	0.00	20	20	1,500	2,250	0.12	0.96	0.005	3%
		48	10.6	6.6	0.94	0.94	0.00	0.00	20	20	1,500	2,250	0.14	1.01	0.006	4%
		72	10.5	6.6	0.89	0.93	0.25	0.00	20	20	1,500	2,250	0.16	1.02	0.007	4%
		96	10.2	6.6	1.01	1.04	--	--	20	20	1,500	2,250	0.18	1.05	0.008	5%
Filtrate + Wash:											1,500	3,260	0.11	--	0.007	4%
													Tail Assay, oz/st:		0.163	
Chemical Consumptions															0.158	
Sodium Cyanide, pounds NaCN per dry ton of ore:													0.15	Avg. Tails, oz/st:		0.161
Hydrated lime, pounds Ca(OH) ₂ per dry ton of ore:													1.00	Calc. Head, oz/st:		0.168
													Extracted, %:		4%	

Notes: (*) - Before chemical additions. (**) - Sparged with oxygen when below 4. (***) - 20 mLs removed at each sampling interval and replaced with fresh water.

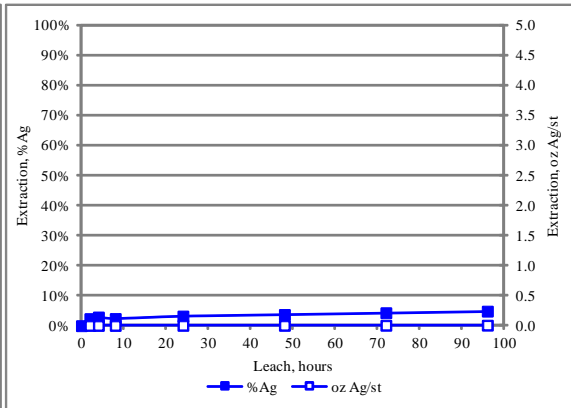
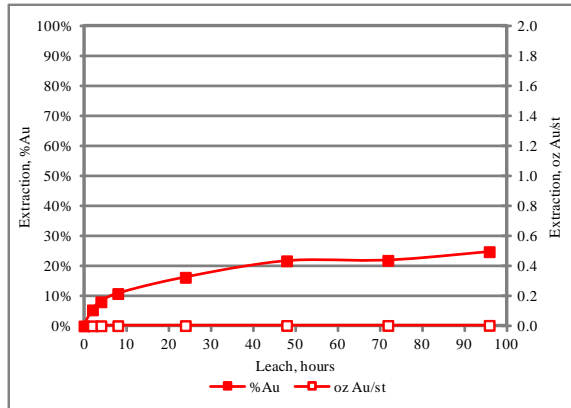


Table 3-27.
Cordex Project
ES-25, 165-170
KCA Sample No. 70908
KCA Test No. 70919 D
As-received Material, Calculated 80% passing 0.25 inches
Tail Screen Analysis

KCA Sample No.	KCA Test No.	Passing, inches/ mesh Tyler	Retained, inches/ mesh Tyler	Dry Screen Analysis			
				Sample Weight, grams	Weight Distribution, %	Cumulative Weight Retained, %	Cumulative Weight Passing, %
70908	70919 D		0.25 inch	352.67	23.6%	23.6%	
		0.25 inch	10 mesh	609.17	40.7%	64.2%	76.4%
		10 mesh	28 mesh	274.00	18.3%	82.5%	35.8%
		28 mesh	65 mesh	153.09	10.2%	92.8%	17.5%
		65 mesh	Pan	108.56	7.2%	100.0%	7.2%
Total -				1497.49	100.0%		

Table 3-28.
Cordex Project
ES-25, 165-170
KCA Sample No. 70908
KCA Test No. 70923 D
Cyanide Bottle Roll Leach Test, Target 1.0 grams per liter NaCN
Pulverized Material, Target 80% passing 200 mesh Tyler
(1,000 grams solids + 1,500 milliliters solution)

KCA Sample No.	KCA Test No.	Period, hours	pH*	Dissolved Oxygen, mg/L**	Free NaCN, gpL*	Total NaCN, gpL*	Added NaCN, grams	Added Ca(OH) ₂ , grams	Volume Out, mLs***	Volume In, mLs***	Feed Ore Wt., grams	Total Solution Volume, mLs	Solution AAS, mg Au/L	Solution AAS, mg Cu/L	Extracted, oz Au/st	Cumulative Au Extraction, %	
70908	70923 D	0	8.4	--	--	--	1.50	0.50	--	--	1,000	1,500	--	--	--	0%	
		2	10.5	6.4	0.86	0.92	0.21	0.00	20	20	1,000	1,500	0.17	1.10	0.0074	58%	
		4	10.5	6.5	0.98	1.05	0.00	0.25	20	20	1,000	1,500	0.22	1.16	0.0097	76%	
		8	10.7	6.6	0.98	0.98	0.00	0.00	20	20	1,000	1,500	0.24	1.21	0.0107	84%	
		24	10.6	6.6	0.95	0.95	0.00	0.00	20	20	1,000	1,500	0.25	1.31	0.0113	88%	
		48	10.5	6.6	0.95	0.95	0.00	0.00	20	20	1,000	1,500	0.24	1.29	0.0110	86%	
		72	10.4	6.6	0.93	0.93	0.00	0.25	20	20	1,000	1,500	0.24	1.28	0.0112	87%	
		96	10.5	6.8	0.92	0.92	--	--	20	20	1,000	1,500	0.23	1.24	0.0109	85%	
Filtrate + Wash:												1,000	2,230	0.16	--	0.0113	89%
														Tail Assay, oz/st:		0.0015	
Chemical Consumptions																0.0014	
Sodium Cyanide, pounds NaCN per dry ton of ore:												0.43	Avg. Tails, oz/st:		0.0015		
Hydrated lime, pounds Ca(OH) ₂ per dry ton of ore:												2.00	Calc. Head, oz/st:		0.0128		
														Extracted, %:		89%	

Notes: (*) - Before chemical additions. (**) - Sparged with oxygen when below 4. (***) - 20 mLs removed at each sampling interval and replaced with fresh water.

KCA Sample No.	KCA Test No.	Period, hours	pH*	Dissolved Oxygen, mg/L**	Free NaCN, gpL*	Total NaCN, gpL*	Added NaCN, grams	Added Ca(OH) ₂ , grams	Volume Out, mLs***	Volume In, mLs***	Feed Ore Wt., grams	Total Solution Volume, mLs	Solution AAS, mg Ag/L	Solution AAS, mg Cu/L	Extracted, oz Ag/st	Cumulative Ag Extraction, %	
70908	70923 D	0	8.4	--	--	--	1.50	0.50	--	--	1,000	1,500	--	--	--	0%	
		2	10.5	6.4	0.86	0.92	0.21	0.00	20	20	1,000	1,500	1.50	1.10	0.066	38%	
		4	10.5	6.5	0.98	1.05	0.00	0.25	20	20	1,000	1,500	1.47	1.16	0.065	37%	
		8	10.7	6.6	0.98	0.98	0.00	0.00	20	20	1,000	1,500	1.49	1.21	0.067	38%	
		24	10.6	6.6	0.95	0.95	0.00	0.00	20	20	1,000	1,500	1.54	1.31	0.070	40%	
		48	10.5	6.6	0.95	0.95	0.00	0.00	20	20	1,000	1,500	1.53	1.29	0.070	40%	
		72	10.4	6.6	0.93	0.93	0.00	0.25	20	20	1,000	1,500	1.53	1.28	0.071	41%	
		96	10.5	6.8	0.92	0.92	--	--	20	20	1,000	1,500	1.49	1.24	0.070	40%	
Filtrate + Wash:												1,000	2,230	1.02	--	0.072	42%
														Tail Assay, oz/st:		0.105	
Chemical Consumptions																0.099	
Sodium Cyanide, pounds NaCN per dry ton of ore:												0.43	Avg. Tails, oz/st:		0.102		
Hydrated lime, pounds Ca(OH) ₂ per dry ton of ore:												2.00	Calc. Head, oz/st:		0.174		
														Extracted, %:		42%	

Notes: (*) - Before chemical additions. (**) - Sparged with oxygen when below 4. (***) - 20 mLs removed at each sampling interval and replaced with fresh water.

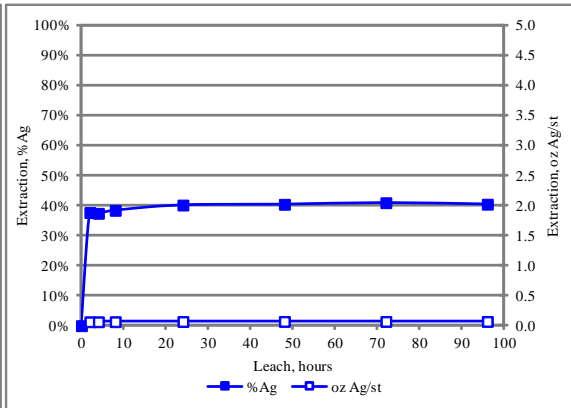
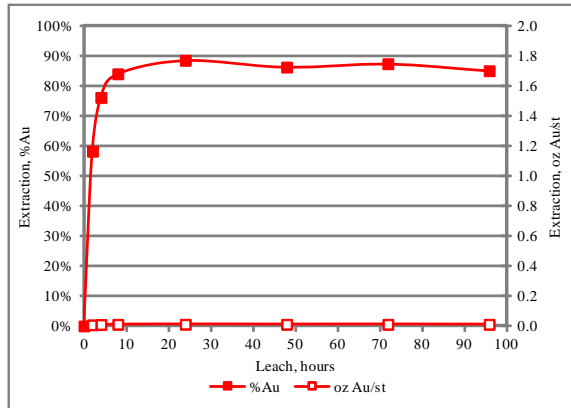


Table 3-29.
Cordex Project
ES-26, 285-290
KCA Sample No. 70909
KCA Test No. 70920 A
Cyanide Bottle Roll Leach Test, Target 1.0 grams per liter NaCN
As-received Material, Calculated 80% passing 0.15 inches
(1,500 grams solids + 2,250 milliliters solution)

KCA Sample No.	KCA Test No.	Period, hours	pH*	Dissolved Oxygen, mg/L**	Free NaCN, gpL*	Total NaCN, gpL*	Added NaCN, grams	Added Ca(OH) ₂ , grams	Volume Out, mLs***	Volume In, mLs***	Feed Ore Wt., grams	Total Solution Volume, mLs	Solution AAS, mg Au/L	Solution AAS, mg Cu/L	Extracted, oz Au/st	Cumulative Au Extraction, %		
70909	70920 A	0	8.2	--	--	--	2.25	0.75	--	--	1,500	2,250	--	--	--	0%		
		2	11.1	6.4	1.02	1.02	0.00	0.00	20	20	1,500	2,250	1.53	2.92	0.0669	20%		
		4	11.0	6.5	0.99	0.99	0.00	0.00	20	20	1,500	2,250	2.44	3.14	0.1073	33%		
		8	10.9	6.5	0.99	0.99	0.00	0.00	20	20	1,500	2,250	3.32	3.28	0.1468	45%		
		24	10.7	6.5	0.94	0.94	0.00	0.00	20	20	1,500	2,250	4.26	3.39	0.1892	58%		
		48	10.5	6.6	0.90	0.93	0.00	0.00	20	20	1,500	2,250	4.42	3.39	0.1979	60%		
		72	10.4	6.6	0.85	0.93	0.00	0.25	20	20	1,500	2,250	4.94	3.61	0.2223	68%		
		96	10.5	6.6	0.87	0.90	--	--	20	20	1,500	2,250	4.28	3.34	0.1954	60%		
Filtrate + Wash:											1,500	3,460	3.40	--	0.2385	73%		
													Tail Assay, oz/st:		0.0901			
													Chemical Consumptions		0.0886			
													Sodium Cyanide, pounds NaCN per dry ton of ore:		0.24	Avg. Tails, oz/st:		0.0894
													Hydrated lime, pounds Ca(OH) ₂ per dry ton of ore:		1.33	Calc. Head, oz/st:		0.3279
															Extracted, %:		73%	

Notes: (*) - Before chemical additions. (**) - Sparged with oxygen when below 4. (***) - 20 mLs removed at each sampling interval and replaced with fresh water.

KCA Sample No.	KCA Test No.	Period, hours	pH*	Dissolved Oxygen, mg/L**	Free NaCN, gpL*	Total NaCN, gpL*	Added NaCN, grams	Added Ca(OH) ₂ , grams	Volume Out, mLs***	Volume In, mLs***	Feed Ore Wt., grams	Total Solution Volume, mLs	Solution AAS, mg Ag/L	Solution AAS, mg Cu/L	Extracted, oz Ag/st	Cumulative Ag Extraction, %		
70909	70920 A	0	8.2	--	--	--	2.25	0.75	--	--	1,500	2,250	--	--	--	0%		
		2	11.1	6.4	1.02	1.02	0.00	0.00	20	20	1,500	2,250	0.36	2.92	0.016	5%		
		4	11.0	6.5	0.99	0.99	0.00	0.00	20	20	1,500	2,250	0.48	3.14	0.021	7%		
		8	10.9	6.5	0.99	0.99	0.00	0.00	20	20	1,500	2,250	0.59	3.28	0.026	9%		
		24	10.7	6.5	0.94	0.94	0.00	0.00	20	20	1,500	2,250	0.84	3.39	0.037	13%		
		48	10.5	6.6	0.90	0.93	0.00	0.00	20	20	1,500	2,250	1.02	3.39	0.046	16%		
		72	10.4	6.6	0.85	0.93	0.00	0.25	20	20	1,500	2,250	1.09	3.61	0.049	17%		
		96	10.5	6.6	0.87	0.90	--	--	20	20	1,500	2,250	1.11	3.34	0.050	17%		
Filtrate + Wash:											1,500	3,460	0.79	--	0.055	19%		
													Tail Assay, oz/st:		0.239			
													Chemical Consumptions		0.233			
													Sodium Cyanide, pounds NaCN per dry ton of ore:		0.24	Avg. Tails, oz/st:		0.236
													Hydrated lime, pounds Ca(OH) ₂ per dry ton of ore:		1.33	Calc. Head, oz/st:		0.291
															Extracted, %:		19%	

Notes: (*) - Before chemical additions. (**) - Sparged with oxygen when below 4. (***) - 20 mLs removed at each sampling interval and replaced with fresh water.

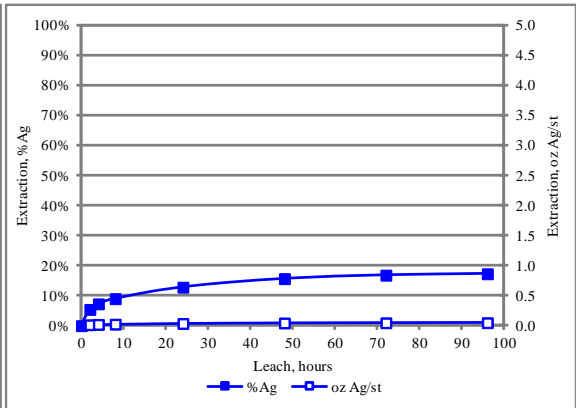
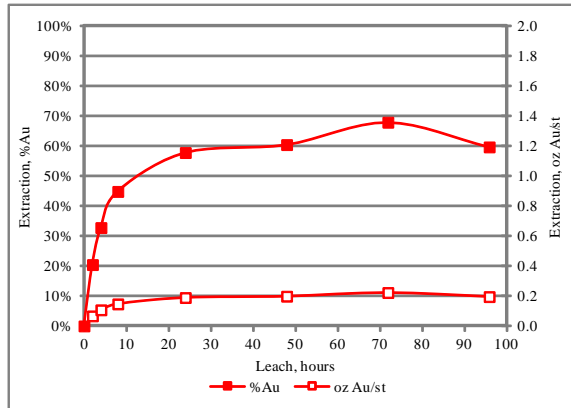


Table 3-30.
Cordex Project
ES-26, 285-290
KCA Sample No. 70909
KCA Test No. 70920 A
As-received Material, Calculated 80% passing 0.15 inches
Tail Screen Analysis

KCA Sample No.	KCA Test No.	Passing, inches/ mesh Tyler	Retained, inches/ mesh Tyler	Dry Screen Analysis			
				Sample Weight, grams	Weight Distribution, %	Cumulative Weight Retained, %	Cumulative Weight Passing, %
70909	70920 A		0.25 inch	115.84	7.8%	7.8%	
		0.25 inch	10 mesh	307.44	20.6%	28.3%	92.2%
		10 mesh	28 mesh	248.92	16.7%	45.0%	71.7%
		28 mesh	65 mesh	478.52	32.0%	77.0%	55.0%
		65 mesh	Pan	343.57	23.0%	100.0%	23.0%
Total -				1494.29	100.0%		

Table 3-31.
Cordex Project
ES-26, 285-290
KCA Sample No. 70909
KCA Test No. 70924 A
Cyanide Bottle Roll Leach Test, Target 1.0 grams per liter NaCN
Pulverized Material, Target 80% passing 200 mesh Tyler
(1,000 grams solids + 1,500 milliliters solution)

KCA Sample No.	KCA Test No.	Period, hours	pH*	Dissolved Oxygen, mg/L**	Free NaCN, gpL*	Total NaCN, gpL*	Added NaCN, grams	Added Ca(OH) ₂ , grams	Volume Out, mLs***	Volume In, mLs***	Feed Ore Wt., grams	Total Solution Volume, mLs	Solution AAS, mg Au/L	Solution AAS, mg Cu/L	Extracted, oz Au/st	Cumulative Au Extraction, %	
70909	70924 A	0	7.6	--	--	--	1.50	0.50	--	--	1,000	1,500	--	--	--	0%	
		2	10.3	6.5	0.70	0.74	0.24	0.25	20	20	1,000	1,500	1.28	4.16	0.0560	17%	
		4	10.7	6.5	0.87	0.87	0.20	0.00	20	20	1,000	1,500	3.09	4.36	0.1359	41%	
		8	10.6	6.5	0.97	0.99	0.00	0.00	20	20	1,000	1,500	5.6	4.42	0.2475	75%	
		24	10.4	6.6	0.92	0.97	0.00	0.25	20	20	1,000	1,500	7.6	4.67	0.3383	102%	
		48	10.7	6.5	0.95	0.95	0.00	0.00	20	20	1,000	1,500	7.3	4.62	0.3296	100%	
		72	10.5	6.6	0.90	0.93	0.00	0.00	20	20	1,000	1,500	7.3	4.61	0.3339	101%	
		96	10.4	6.7	0.89	0.93	--	--	20	20	1,000	1,500	7.1	4.46	0.3294	100%	
Filtrate + Wash:												1,000	2,260	4.46	--	0.3169	96%
												Tail Assay, oz/st:		0.0143			
Chemical Consumptions														0.0140			
Sodium Cyanide, pounds NaCN per dry ton of ore:												1.00	Avg. Tails, oz/st:		0.0142		
Hydrated lime, pounds Ca(OH) ₂ per dry ton of ore:												2.00	Calc. Head, oz/st:		0.3310		
														Extracted, %:	96%		

Notes: (*) - Before chemical additions. (**) - Sparged with oxygen when below 4. (***) - 20 mLs removed at each sampling interval and replaced with fresh water.

KCA Sample No.	KCA Test No.	Period, hours	pH*	Dissolved Oxygen, mg/L**	Free NaCN, gpL*	Total NaCN, gpL*	Added NaCN, grams	Added Ca(OH) ₂ , grams	Volume Out, mLs***	Volume In, mLs***	Feed Ore Wt., grams	Total Solution Volume, mLs	Solution AAS, mg Ag/L	Solution AAS, mg Cu/L	Extracted, oz Ag/st	Cumulative Ag Extraction, %	
70909	70924 A	0	7.6	--	--	--	1.50	0.50	--	--	1,000	1,500	--	--	--	0%	
		2	10.3	6.5	0.70	0.74	0.24	0.25	20	20	1,000	1,500	2.79	4.16	0.122	35%	
		4	10.7	6.5	0.87	0.87	0.20	0.00	20	20	1,000	1,500	3.19	4.36	0.141	40%	
		8	10.6	6.5	0.97	0.99	0.00	0.00	20	20	1,000	1,500	3.50	4.42	0.157	45%	
		24	10.4	6.6	0.92	0.97	0.00	0.25	20	20	1,000	1,500	3.87	4.67	0.175	50%	
		48	10.7	6.5	0.95	0.95	0.00	0.00	20	20	1,000	1,500	3.87	4.62	0.177	50%	
		72	10.5	6.6	0.90	0.93	0.00	0.00	20	20	1,000	1,500	3.88	4.61	0.180	51%	
		96	10.4	6.7	0.89	0.93	--	--	20	20	1,000	1,500	3.73	4.46	0.175	50%	
Filtrate + Wash:												1,000	2,260	2.60	--	0.186	53%
												Tail Assay, oz/st:		0.169			
Chemical Consumptions														0.163			
Sodium Cyanide, pounds NaCN per dry ton of ore:												1.00	Avg. Tails, oz/st:		0.166		
Hydrated lime, pounds Ca(OH) ₂ per dry ton of ore:												2.00	Calc. Head, oz/st:		0.352		
														Extracted, %:	53%		

Notes: (*) - Before chemical additions. (**) - Sparged with oxygen when below 4. (***) - 20 mLs removed at each sampling interval and replaced with fresh water.

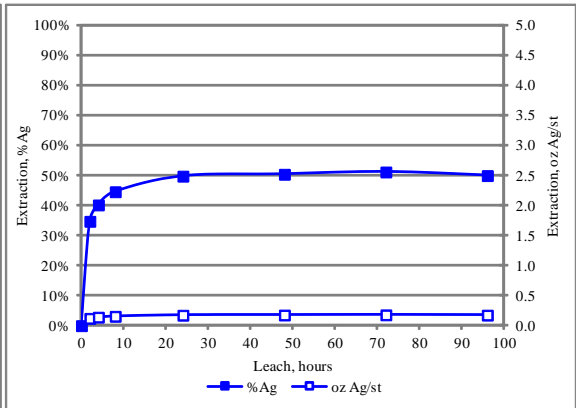
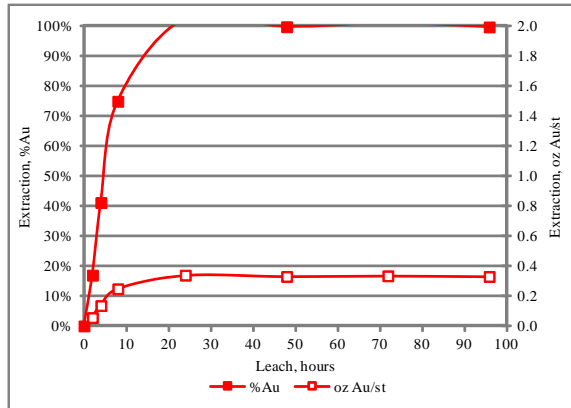


Table 3-32.
Cordex Project
ES-27, 70-75
KCA Sample No. 70910
KCA Test No. 70920 B
Cyanide Bottle Roll Leach Test, Target 1.0 grams per liter NaCN
As-received Material, Calculated 80% passing 0.16 inches
(1,500 grams solids + 2,250 milliliters solution)

KCA Sample No.	KCA Test No.	Period, hours	pH*	Dissolved Oxygen, mg/L**	Free NaCN, gpL*	Total NaCN, gpL*	Added NaCN, grams	Added Ca(OH) ₂ , grams	Volume Out, mLs***	Volume In, mLs***	Feed Ore Wt., grams	Total Solution Volume, mLs	Solution AAS, mg Au/L	Solution AAS, mg Cu/L	Extracted, oz Au/st	Cumulative Au Extraction, %
70910	70920 B	0	8.5	--	--	--	2.25	0.75	--	--	1,500	2,250	--	--	--	0%
		2	11.3	6.5	1.02	1.02	0.00	0.00	20	20	1,500	2,250	0.18	1.40	0.0079	16%
		4	11.3	6.5	1.00	1.00	0.00	0.00	20	20	1,500	2,250	0.26	1.55	0.0114	23%
		8	11.2	6.5	0.99	0.99	0.00	0.00	20	20	1,500	2,250	0.33	1.60	0.0146	29%
		24	10.9	6.5	0.96	0.96	0.00	0.00	20	20	1,500	2,250	0.50	1.76	0.0222	44%
		48	10.8	6.6	0.95	0.95	0.00	0.00	20	20	1,500	2,250	0.58	1.86	0.0259	51%
		72	10.7	6.6	0.93	0.93	0.00	0.00	20	20	1,500	2,250	0.59	1.99	0.0265	52%
		96	10.4	6.6	0.91	0.91	--	--	20	20	1,500	2,250	0.59	1.96	0.0268	53%
Filtrate + Wash:											1,500	3,280	0.41	--	0.0273	54%
													Tail Assay, oz/st:		0.0238	
Chemical Consumptions															0.0229	
Sodium Cyanide, pounds NaCN per dry ton of ore:													0.11	Avg. Tails, oz/st:		0.0234
Hydrated lime, pounds Ca(OH) ₂ per dry ton of ore:													1.00	Calc. Head, oz/st:		0.0507
															Extracted, %:	54%

Notes: (*) - Before chemical additions. (**) - Sparged with oxygen when below 4. (***) - 20 mLs removed at each sampling interval and replaced with fresh water.

KCA Sample No.	KCA Test No.	Period, hours	pH*	Dissolved Oxygen, mg/L**	Free NaCN, gpL*	Total NaCN, gpL*	Added NaCN, grams	Added Ca(OH) ₂ , grams	Volume Out, mLs***	Volume In, mLs***	Feed Ore Wt., grams	Total Solution Volume, mLs	Solution AAS, mg Ag/L	Solution AAS, mg Cu/L	Extracted, oz Ag/st	Cumulative Ag Extraction, %
70910	70920 B	0	8.5	--	--	--	2.25	0.75	--	--	1,500	2,250	--	--	--	0%
		2	11.3	6.5	1.02	1.02	0.00	0.00	20	20	1,500	2,250	0.43	1.40	0.019	11%
		4	11.3	6.5	1.00	1.00	0.00	0.00	20	20	1,500	2,250	0.49	1.55	0.022	12%
		8	11.2	6.5	0.99	0.99	0.00	0.00	20	20	1,500	2,250	0.54	1.60	0.024	14%
		24	10.9	6.5	0.96	0.96	0.00	0.00	20	20	1,500	2,250	0.65	1.76	0.029	17%
		48	10.8	6.6	0.95	0.95	0.00	0.00	20	20	1,500	2,250	0.73	1.86	0.033	19%
		72	10.7	6.6	0.93	0.93	0.00	0.00	20	20	1,500	2,250	0.85	1.99	0.038	22%
		96	10.4	6.6	0.91	0.91	--	--	20	20	1,500	2,250	0.86	1.96	0.039	22%
Filtrate + Wash:											1,500	3,280	0.61	--	0.041	23%
													Tail Assay, oz/st:		0.134	
Chemical Consumptions															0.134	
Sodium Cyanide, pounds NaCN per dry ton of ore:													0.11	Avg. Tails, oz/st:		0.134
Hydrated lime, pounds Ca(OH) ₂ per dry ton of ore:													1.00	Calc. Head, oz/st:		0.175
															Extracted, %:	23%

Notes: (*) - Before chemical additions. (**) - Sparged with oxygen when below 4. (***) - 20 mLs removed at each sampling interval and replaced with fresh water.

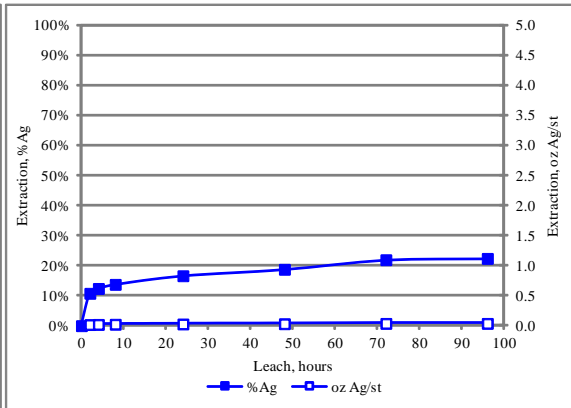
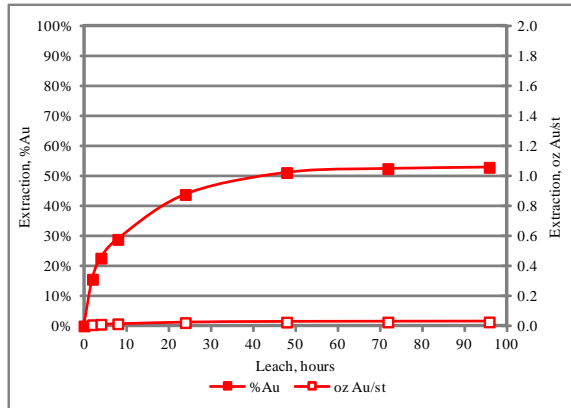


Table 3-33.
Cordex Project
ES-27, 70-75
KCA Sample No. 70910
KCA Test No. 70920 B
As-received Material, Calculated 80% passing 0.16 inches
Tail Screen Analysis

KCA Sample No.	KCA Test No.	Passing, inches/ mesh Tyler	Retained, inches/ mesh Tyler	Dry Screen Analysis			
				Sample Weight, grams	Weight Distribution, %	Cumulative Weight Retained, %	Cumulative Weight Passing, %
70910	70920 B		0.25 inch	6.50	0.4%	0.4%	
		0.25 inch	10 mesh	517.62	35.1%	35.5%	99.6%
		10 mesh	28 mesh	403.94	27.4%	62.9%	64.5%
		28 mesh	65 mesh	318.54	21.6%	84.5%	37.1%
		65 mesh	Pan	228.24	15.5%	100.0%	15.5%
Total -				1474.84	100.0%		

Table 3-34.
Cordex Project
ES-27, 70-75
KCA Sample No. 70910
KCA Test No. 70924 B
Cyanide Bottle Roll Leach Test, Target 1.0 grams per liter NaCN
Pulverized Material, Target 80% passing 200 mesh Tyler
(1,000 grams solids + 1,500 milliliters solution)

KCA Sample No.	KCA Test No.	Period, hours	pH*	Dissolved Oxygen, mg/L**	Free NaCN, gpL*	Total NaCN, gpL*	Added NaCN, grams	Added Ca(OH) ₂ , grams	Volume Out, mLs***	Volume In, mLs***	Feed Ore Wt., grams	Total Solution Volume, mLs	Solution AAS, mg Au/L	Solution AAS, mg Cu/L	Extracted, oz Au/st	Cumulative Au Extraction, %
70910	70924 B	0	7.7	--	--	--	1.50	0.50	--	--	1,000	1,500	--	--	--	0%
		2	10.2	6.4	0.61	0.68	0.48	0.25	20	20	1,000	1,500	0.24	1.86	0.0105	39%
		4	10.5	6.5	0.93	0.96	0.00	0.00	20	20	1,000	1,500	0.38	1.93	0.0168	62%
		8	10.4	6.5	0.90	0.95	0.00	0.25	20	20	1,000	1,500	0.47	1.95	0.0209	77%
		24	10.5	6.7	0.90	0.92	0.00	0.00	20	20	1,000	1,500	0.52	2.03	0.0234	87%
		48	10.5	6.5	0.88	0.90	0.18	0.00	20	20	1,000	1,500	0.51	2.02	0.0233	86%
		72	10.3	6.7	0.96	0.97	0.00	0.25	20	20	1,000	1,500	0.50	2.00	0.0231	86%
		96	10.5	6.9	0.97	0.97	--	--	20	20	1,000	1,500	0.49	1.90	0.0230	85%
Filtrate + Wash:											1,000	2,200	0.33	--	0.0230	85%
														Tail Assay, oz/st:	0.0040	
Chemical Consumptions															0.0041	
Sodium Cyanide, pounds NaCN per dry ton of ore:												1.20	Avg. Tails, oz/st:	0.0040		
Hydrated lime, pounds Ca(OH) ₂ per dry ton of ore:												2.50	Calc. Head, oz/st:	0.0270		
														Extracted, %:	85%	

Notes: (*) - Before chemical additions. (**) - Sparged with oxygen when below 4. (***) - 20 mLs removed at each sampling interval and replaced with fresh water.

KCA Sample No.	KCA Test No.	Period, hours	pH*	Dissolved Oxygen, mg/L**	Free NaCN, gpL*	Total NaCN, gpL*	Added NaCN, grams	Added Ca(OH) ₂ , grams	Volume Out, mLs***	Volume In, mLs***	Feed Ore Wt., grams	Total Solution Volume, mLs	Solution AAS, mg Ag/L	Solution AAS, mg Cu/L	Extracted, oz Ag/st	Cumulative Ag Extraction, %
70910	70924 B	0	7.7	--	--	--	1.50	0.50	--	--	1,000	1,500	--	--	--	0%
		2	10.2	6.4	0.61	0.68	0.48	0.25	20	20	1,000	1,500	1.81	1.86	0.079	40%
		4	10.5	6.5	0.93	0.96	0.00	0.00	20	20	1,000	1,500	2.02	1.93	0.089	45%
		8	10.4	6.5	0.90	0.95	0.00	0.25	20	20	1,000	1,500	2.18	1.95	0.098	50%
		24	10.5	6.7	0.90	0.92	0.00	0.00	20	20	1,000	1,500	2.37	2.03	0.107	55%
		48	10.5	6.5	0.88	0.90	0.18	0.00	20	20	1,000	1,500	2.37	2.02	0.109	55%
		72	10.3	6.7	0.96	0.97	0.00	0.25	20	20	1,000	1,500	2.37	2.00	0.110	56%
		96	10.5	6.9	0.97	0.97	--	--	20	20	1,000	1,500	2.25	1.90	0.106	54%
Filtrate + Wash:											1,000	2,200	1.60	--	0.112	57%
														Tail Assay, oz/st:	0.082	
Chemical Consumptions															0.088	
Sodium Cyanide, pounds NaCN per dry ton of ore:												1.20	Avg. Tails, oz/st:	0.085		
Hydrated lime, pounds Ca(OH) ₂ per dry ton of ore:												2.50	Calc. Head, oz/st:	0.197		
														Extracted, %:	57%	

Notes: (*) - Before chemical additions. (**) - Sparged with oxygen when below 4. (***) - 20 mLs removed at each sampling interval and replaced with fresh water.

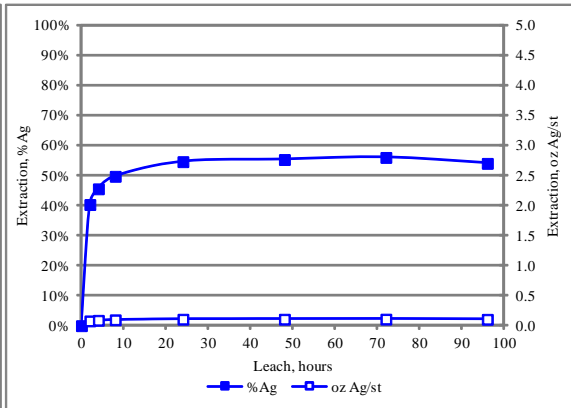
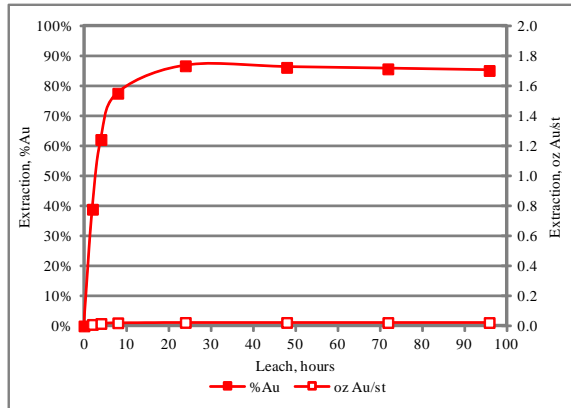


Table 3-35.
Cordex Project
ES-27, 550-555
KCA Sample No. 70911
KCA Test No. 70920 C
Cyanide Bottle Roll Leach Test, Target 1.0 grams per liter NaCN
As-received Material, Calculated 80% passing 0.29 inches
(1,500 grams solids + 2,250 milliliters solution)

KCA Sample No.	KCA Test No.	Period, hours	pH*	Dissolved Oxygen, mg/L**	Free NaCN, gpL*	Total NaCN, gpL*	Added NaCN, grams	Added Ca(OH) ₂ , grams	Volume Out, mLs***	Volume In, mLs***	Feed Ore Wt., grams	Total Solution Volume, mLs	Solution AAS, mg Au/L	Solution AAS, mg Cu/L	Extracted, oz Au/st	Cumulative Au Extraction, %	
70911	70920 C	0	8.3	--	--	--	2.25	0.75	--	--	1,500	2,250	--	--	--	0%	
		2	11.0	6.4	1.03	1.03	0.00	0.00	20	20	1,500	2,250	0.06	1.18	0.0026	7%	
		4	10.8	6.5	1.01	1.01	0.00	0.00	20	20	1,500	2,250	0.08	1.26	0.0035	10%	
		8	10.8	6.5	1.00	1.00	0.00	0.00	20	20	1,500	2,250	0.09	1.30	0.0040	11%	
		24	10.5	6.5	0.96	0.96	0.00	0.00	20	20	1,500	2,250	0.13	1.37	0.0058	16%	
		48	10.4	6.6	0.90	0.95	0.00	0.25	20	20	1,500	2,250	0.14	1.45	0.0063	17%	
		72	10.5	6.6	0.83	0.83	0.38	0.00	20	20	1,500	2,250	0.14	1.42	0.0063	18%	
		96	10.3	6.8	1.06	1.06	--	--	20	20	1,500	2,250	0.16	1.40	0.0072	20%	
Filtrate + Wash:											1,500	3,480	0.10	--	0.0071	20%	
													Tail Assay, oz/st:		0.0293		
													Chemical Consumptions		0.0285		
													Sodium Cyanide, pounds NaCN per dry ton of ore:		0.17	Avg. Tails, oz/st:	0.0289
													Hydrated lime, pounds Ca(OH) ₂ per dry ton of ore:		1.33	Calc. Head, oz/st:	0.0360
															Extracted, %:	20%	

Notes: (*) - Before chemical additions. (**) - Sparged with oxygen when below 4. (***) - 20 mLs removed at each sampling interval and replaced with fresh water.

KCA Sample No.	KCA Test No.	Period, hours	pH*	Dissolved Oxygen, mg/L**	Free NaCN, gpL*	Total NaCN, gpL*	Added NaCN, grams	Added Ca(OH) ₂ , grams	Volume Out, mLs***	Volume In, mLs***	Feed Ore Wt., grams	Total Solution Volume, mLs	Solution AAS, mg Ag/L	Solution AAS, mg Cu/L	Extracted, oz Ag/st	Cumulative Ag Extraction, %	
70911	70920 C	0	8.3	--	--	--	2.25	0.75	--	--	1,500	2,250	--	--	--	0%	
		2	11.0	6.4	1.03	1.03	0.00	0.00	20	20	1,500	2,250	0.21	1.18	0.009	3%	
		4	10.8	6.5	1.01	1.01	0.00	0.00	20	20	1,500	2,250	0.23	1.26	0.010	3%	
		8	10.8	6.5	1.00	1.00	0.00	0.00	20	20	1,500	2,250	0.23	1.30	0.010	3%	
		24	10.5	6.5	0.96	0.96	0.00	0.00	20	20	1,500	2,250	0.30	1.37	0.013	4%	
		48	10.4	6.6	0.90	0.95	0.00	0.25	20	20	1,500	2,250	0.35	1.45	0.016	5%	
		72	10.5	6.6	0.83	0.83	0.38	0.00	20	20	1,500	2,250	0.37	1.42	0.017	6%	
		96	10.3	6.8	1.06	1.06	--	--	20	20	1,500	2,250	0.38	1.40	0.017	6%	
Filtrate + Wash:											1,500	3,480	0.25	--	0.018	6%	
													Tail Assay, oz/st:		0.286		
													Chemical Consumptions		0.274		
													Sodium Cyanide, pounds NaCN per dry ton of ore:		0.17	Avg. Tails, oz/st:	0.280
													Hydrated lime, pounds Ca(OH) ₂ per dry ton of ore:		1.33	Calc. Head, oz/st:	0.298
															Extracted, %:	6%	

Notes: (*) - Before chemical additions. (**) - Sparged with oxygen when below 4. (***) - 20 mLs removed at each sampling interval and replaced with fresh water.

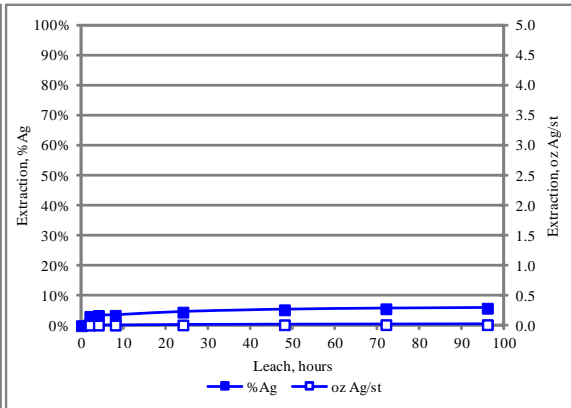
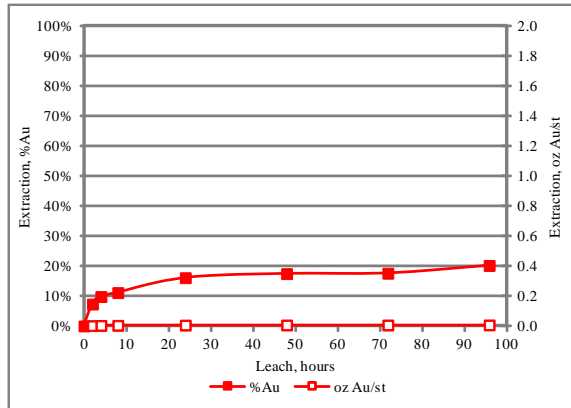


Table 3-36.
Cordex Project
ES-27, 550-555
KCA Sample No. 70911
KCA Test No. 70920 C
As-received Material, Calculated 80% passing 0.29 inches
Tail Screen Analysis

KCA Sample No.	KCA Test No.	Passing, inches/ mesh Tyler	Retained, inches/ mesh Tyler	Dry Screen Analysis			
				Sample Weight, grams	Weight Distribution, %	Cumulative Weight Retained, %	Cumulative Weight Passing, %
70911	70920 C		0.25 inch	456.09	30.5%	30.5%	
		0.25 inch	10 mesh	609.30	40.7%	71.2%	69.5%
		10 mesh	28 mesh	187.20	12.5%	83.7%	28.8%
		28 mesh	65 mesh	127.62	8.5%	92.2%	16.3%
		65 mesh	Pan	116.14	7.8%	100.0%	7.8%
Total -				1496.35	100.0%		

Table 3-37.
Cordex Project
ES-27, 550-555
KCA Sample No. 70911
KCA Test No. 70924 C
Cyanide Bottle Roll Leach Test, Target 1.0 grams per liter NaCN
Pulverized Material, Target 80% passing 200 mesh Tyler
(1,000 grams solids + 1,500 milliliters solution)

KCA Sample No.	KCA Test No.	Period, hours	pH*	Dissolved Oxygen, mg/L**	Free NaCN, gpL*	Total NaCN, gpL*	Added NaCN, grams	Added Ca(OH) ₂ , grams	Volume Out, mLs***	Volume In, mLs***	Feed Ore Wt., grams	Total Solution Volume, mLs	Solution AAS, mg Au/L	Solution AAS, mg Cu/L	Extracted, oz Au/st	Cumulative Au Extraction, %	
70911	70924 C	0	8.7	--	--	--	1.50	0.50	--	--	1,000	1,500	--	--	--	0%	
		2	10.7	6.3	0.90	0.94	0.00	0.00	20	20	1,000	1,500	0.20	2.39	0.0088	20%	
		4	10.7	6.4	0.92	0.92	0.00	0.00	20	20	1,000	1,500	0.34	2.56	0.0150	35%	
		8	10.7	6.5	0.88	0.90	0.18	0.00	20	20	1,000	1,500	0.51	2.64	0.0226	52%	
		24	10.6	6.5	0.98	1.01	0.00	0.00	20	20	1,000	1,500	0.94	2.76	0.0417	97%	
		48	10.5	6.5	0.97	1.00	0.00	0.00	20	20	1,000	1,500	0.93	2.74	0.0418	97%	
		72	10.4	6.5	0.96	0.96	0.00	0.25	20	20	1,000	1,500	0.91	2.76	0.0415	96%	
		96	10.8	6.7	0.96	0.96	--	--	20	20	1,000	1,500	0.87	2.60	0.0403	93%	
Filtrate + Wash:												1,000	2,210	0.61	--	0.0421	97%
												Tail Assay, oz/st:		0.0011			
Chemical Consumptions														0.0011			
Sodium Cyanide, pounds NaCN per dry ton of ore:												0.26	Avg. Tails, oz/st:		0.0011		
Hydrated lime, pounds Ca(OH) ₂ per dry ton of ore:												1.50	Calc. Head, oz/st:		0.0432		
														Extracted, %:	97%		

Notes: (*) - Before chemical additions. (**) - Sparged with oxygen when below 4. (***) - 20 mLs removed at each sampling interval and replaced with fresh water.

KCA Sample No.	KCA Test No.	Period, hours	pH*	Dissolved Oxygen, mg/L**	Free NaCN, gpL*	Total NaCN, gpL*	Added NaCN, grams	Added Ca(OH) ₂ , grams	Volume Out, mLs***	Volume In, mLs***	Feed Ore Wt., grams	Total Solution Volume, mLs	Solution AAS, mg Ag/L	Solution AAS, mg Cu/L	Extracted, oz Ag/st	Cumulative Ag Extraction, %	
70911	70924 C	0	8.7	--	--	--	1.50	0.50	--	--	1,000	1,500	--	--	--	0%	
		2	10.7	6.3	0.90	0.94	0.00	0.00	20	20	1,000	1,500	3.05	2.39	0.133	39%	
		4	10.7	6.4	0.92	0.92	0.00	0.00	20	20	1,000	1,500	3.35	2.56	0.148	43%	
		8	10.7	6.5	0.88	0.90	0.18	0.00	20	20	1,000	1,500	3.52	2.64	0.158	46%	
		24	10.6	6.5	0.98	1.01	0.00	0.00	20	20	1,000	1,500	3.83	2.76	0.173	50%	
		48	10.5	6.5	0.97	1.00	0.00	0.00	20	20	1,000	1,500	3.84	2.74	0.176	51%	
		72	10.4	6.5	0.96	0.96	0.00	0.25	20	20	1,000	1,500	3.85	2.76	0.179	52%	
		96	10.8	6.7	0.96	0.96	--	--	20	20	1,000	1,500	3.70	2.60	0.174	51%	
Filtrate + Wash:												1,000	2,210	2.61	--	0.183	53%
												Tail Assay, oz/st:		0.163			
Chemical Consumptions														0.158			
Sodium Cyanide, pounds NaCN per dry ton of ore:												0.26	Avg. Tails, oz/st:		0.161		
Hydrated lime, pounds Ca(OH) ₂ per dry ton of ore:												1.50	Calc. Head, oz/st:		0.343		
														Extracted, %:	53%		

Notes: (*) - Before chemical additions. (**) - Sparged with oxygen when below 4. (***) - 20 mLs removed at each sampling interval and replaced with fresh water.

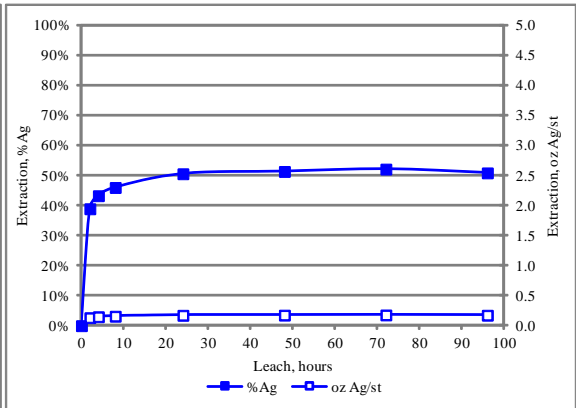
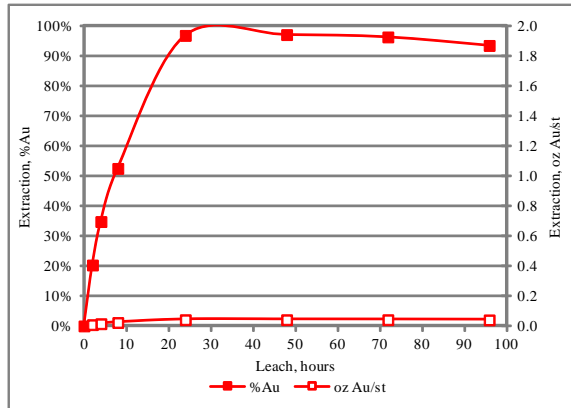


Table 3-38.
Cordex Project
ES-32, 965-970
KCA Sample No. 70912
KCA Test No. 70920 D
Cyanide Bottle Roll Leach Test, Target 1.0 grams per liter NaCN
As-received Material, Calculated 80% passing 0.15 inches
(1,500 grams solids + 2,250 milliliters solution)

KCA Sample No.	KCA Test No.	Period, hours	pH*	Dissolved Oxygen, mg/L**	Free NaCN, gpL*	Total NaCN, gpL*	Added NaCN, grams	Added Ca(OH) ₂ , grams	Volume Out, mLs***	Volume In, mLs***	Feed Ore Wt., grams	Total Solution Volume, mLs	Solution AAS, mg Au/L	Solution AAS, mg Cu/L	Extracted, oz Au/st	Cumulative Au Extraction, %		
70912	70920 D	0	8.2	--	--	--	2.25	0.75	--	--	1,500	2,250	--	--	--	0%		
		2	11.2	6.4	1.01	1.01	0.00	0.00	20	20	1,500	2,250	0.09	1.20	0.0039	6%		
		4	11.1	6.5	1.00	1.00	0.00	0.00	20	20	1,500	2,250	0.16	1.34	0.0070	11%		
		8	11.0	6.5	0.99	0.99	0.00	0.00	20	20	1,500	2,250	0.25	1.39	0.0110	17%		
		24	10.7	6.5	0.95	0.95	0.00	0.00	20	20	1,500	2,250	0.44	1.48	0.0194	30%		
		48	10.6	6.6	0.89	0.89	0.25	0.00	20	20	1,500	2,250	0.82	1.61	0.0362	56%		
		72	10.6	6.6	0.94	0.94	0.00	0.00	20	20	1,500	2,250	0.90	1.74	0.0401	62%		
		96	10.4	6.6	0.88	0.88	--	--	20	20	1,500	2,250	0.93	1.91	0.0417	65%		
Filtrate + Wash:											1,500	3,200	0.64	--	0.0412	64%		
													Tail Assay, oz/st:		0.0313			
													Chemical Consumptions		0.0149			
													Sodium Cyanide, pounds NaCN per dry ton of ore:		0.54	Avg. Tails, oz/st:		0.0231
													Hydrated lime, pounds Ca(OH) ₂ per dry ton of ore:		1.00	Calc. Head, oz/st:		0.0643
															Extracted, %:		64%	

Notes: (*) - Before chemical additions. (**) - Sparged with oxygen when below 4. (***) - 20 mLs removed at each sampling interval and replaced with fresh water.

KCA Sample No.	KCA Test No.	Period, hours	pH*	Dissolved Oxygen, mg/L**	Free NaCN, gpL*	Total NaCN, gpL*	Added NaCN, grams	Added Ca(OH) ₂ , grams	Volume Out, mLs***	Volume In, mLs***	Feed Ore Wt., grams	Total Solution Volume, mLs	Solution AAS, mg Ag/L	Solution AAS, mg Cu/L	Extracted, oz Ag/st	Cumulative Ag Extraction, %		
70912	70920 D	0	8.2	--	--	--	2.25	0.75	--	--	1,500	2,250	--	--	--	0%		
		2	11.2	6.4	1.01	1.01	0.00	0.00	20	20	1,500	2,250	0.39	1.20	0.017	11%		
		4	11.1	6.5	1.00	1.00	0.00	0.00	20	20	1,500	2,250	0.51	1.34	0.022	15%		
		8	11.0	6.5	0.99	0.99	0.00	0.00	20	20	1,500	2,250	0.65	1.39	0.029	19%		
		24	10.7	6.5	0.95	0.95	0.00	0.00	20	20	1,500	2,250	0.95	1.48	0.042	28%		
		48	10.6	6.6	0.89	0.89	0.25	0.00	20	20	1,500	2,250	1.37	1.61	0.061	40%		
		72	10.6	6.6	0.94	0.94	0.00	0.00	20	20	1,500	2,250	1.64	1.74	0.073	48%		
		96	10.4	6.6	0.88	0.88	--	--	20	20	1,500	2,250	1.76	1.91	0.079	52%		
Filtrate + Wash:											1,500	3,200	1.21	--	0.078	52%		
													Tail Assay, oz/st:		0.076			
													Chemical Consumptions		0.070			
													Sodium Cyanide, pounds NaCN per dry ton of ore:		0.54	Avg. Tails, oz/st:		0.073
													Hydrated lime, pounds Ca(OH) ₂ per dry ton of ore:		1.00	Calc. Head, oz/st:		0.151
															Extracted, %:		52%	

Notes: (*) - Before chemical additions. (**) - Sparged with oxygen when below 4. (***) - 20 mLs removed at each sampling interval and replaced with fresh water.

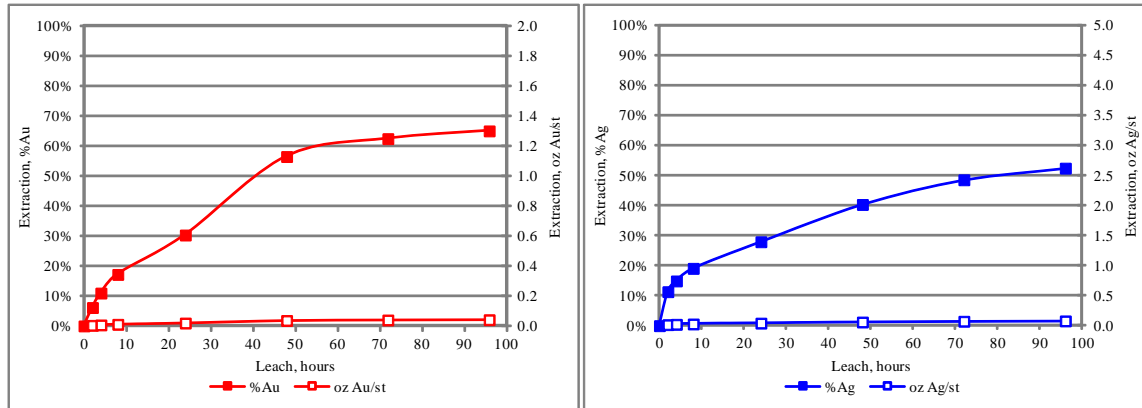


Table 3-39.
Cordex Project
ES-32, 965-970
KCA Sample No. 70912
KCA Test No. 70920 D
As-received Material, Calculated 80% passing 0.15 inches
Tail Screen Analysis

KCA Sample No.	KCA Test No.	Passing, inches/ mesh Tyler	Retained, inches/ mesh Tyler	Dry Screen Analysis			
				Sample Weight, grams	Weight Distribution, %	Cumulative Weight Retained, %	Cumulative Weight Passing, %
70912	70920 D		0.25 inch	8.30	0.6%	0.6%	
		0.25 inch	10 mesh	463.63	31.2%	31.8%	99.4%
		10 mesh	28 mesh	389.47	26.3%	58.1%	68.2%
		28 mesh	65 mesh	385.58	26.0%	84.0%	41.9%
		65 mesh	Pan	236.69	16.0%	100.0%	16.0%
Total -				1483.67	100.0%		

Table 3-40.
Cordex Project
ES-32, 965-970
KCA Sample No. 70912
KCA Test No. 70924 D
Cyanide Bottle Roll Leach Test, Target 1.0 grams per liter NaCN
Pulverized Material, Target 80% passing 200 mesh Tyler
(1,000 grams solids + 1,500 milliliters solution)

KCA Sample No.	KCA Test No.	Period, hours	pH*	Dissolved Oxygen, mg/L**	Free NaCN, gpL*	Total NaCN, gpL*	Added NaCN, grams	Added Ca(OH) ₂ , grams	Volume Out, mLs***	Volume In, mLs***	Feed Ore Wt., grams	Total Solution Volume, mLs	Solution AAS, mg Au/L	Solution AAS, mg Cu/L	Extracted, oz Au/st	Cumulative Au Extraction, %
70912	70924 D	0	8.9	--	--	--	1.50	0.50	--	--	1,000	1,500	--	--	--	0%
		2	10.3	6.6	0.95	1.00	0.00	0.25	20	20	1,000	1,500	0.18	1.03	0.0079	11%
		4	10.7	6.5	0.97	1.00	0.00	0.00	20	20	1,000	1,500	0.28	1.24	0.0124	18%
		8	10.6	6.5	0.96	0.98	0.00	0.00	20	20	1,000	1,500	0.38	1.45	0.0169	24%
		24	10.5	6.6	0.92	0.96	0.00	0.00	20	20	1,000	1,500	0.94	2.20	0.0416	59%
		48	10.4	6.5	0.88	0.92	0.00	0.25	20	20	1,000	1,500	1.27	2.71	0.0566	80%
		72	10.6	6.6	0.83	0.83	0.26	0.00	20	20	1,000	1,500	1.40	3.10	0.0630	90%
		96	10.5	6.7	1.05	1.05	--	--	20	20	1,000	1,500	1.43	3.29	0.0652	93%
Filtrate + Wash:											1,000	2,200	0.99	--	0.0670	95%
													Tail Assay, oz/st:		0.0034	
Chemical Consumptions															0.0035	
Sodium Cyanide, pounds NaCN per dry ton of ore:													0.15	Avg. Tails, oz/st:		0.0035
Hydrated lime, pounds Ca(OH) ₂ per dry ton of ore:													2.00	Calc. Head, oz/st:		0.0704
															Extracted, %:	95%

Notes: (*) - Before chemical additions. (**) - Sparged with oxygen when below 4. (***) - 20 mLs removed at each sampling interval and replaced with fresh water.

KCA Sample No.	KCA Test No.	Period, hours	pH*	Dissolved Oxygen, mg/L**	Free NaCN, gpL*	Total NaCN, gpL*	Added NaCN, grams	Added Ca(OH) ₂ , grams	Volume Out, mLs***	Volume In, mLs***	Feed Ore Wt., grams	Total Solution Volume, mLs	Solution AAS, mg Ag/L	Solution AAS, mg Cu/L	Extracted, oz Ag/st	Cumulative Ag Extraction, %
70912	70924 D	0	8.9	--	--	--	1.50	0.50	--	--	1,000	1,500	--	--	--	0%
		2	10.3	6.6	0.95	1.00	0.00	0.25	20	20	1,000	1,500	1.09	1.03	0.048	25%
		4	10.7	6.5	0.97	1.00	0.00	0.00	20	20	1,000	1,500	1.38	1.24	0.061	32%
		8	10.6	6.5	0.96	0.98	0.00	0.00	20	20	1,000	1,500	1.61	1.45	0.072	37%
		24	10.5	6.6	0.92	0.96	0.00	0.00	20	20	1,000	1,500	2.52	2.20	0.113	58%
		48	10.4	6.5	0.88	0.92	0.00	0.25	20	20	1,000	1,500	2.95	2.71	0.133	69%
		72	10.6	6.6	0.83	0.83	0.26	0.00	20	20	1,000	1,500	3.15	3.10	0.143	74%
		96	10.5	6.7	1.05	1.05	--	--	20	20	1,000	1,500	3.13	3.29	0.144	75%
Filtrate + Wash:											1,000	2,200	2.22	--	0.152	79%
													Tail Assay, oz/st:		0.041	
Chemical Consumptions															0.041	
Sodium Cyanide, pounds NaCN per dry ton of ore:													0.15	Avg. Tails, oz/st:		0.041
Hydrated lime, pounds Ca(OH) ₂ per dry ton of ore:													2.00	Calc. Head, oz/st:		0.193
															Extracted, %:	79%

Notes: (*) - Before chemical additions. (**) - Sparged with oxygen when below 4. (***) - 20 mLs removed at each sampling interval and replaced with fresh water.

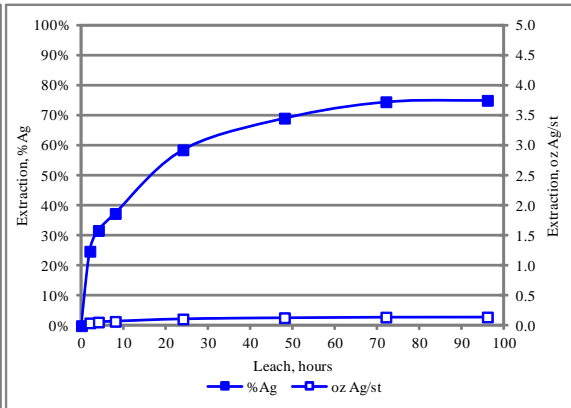
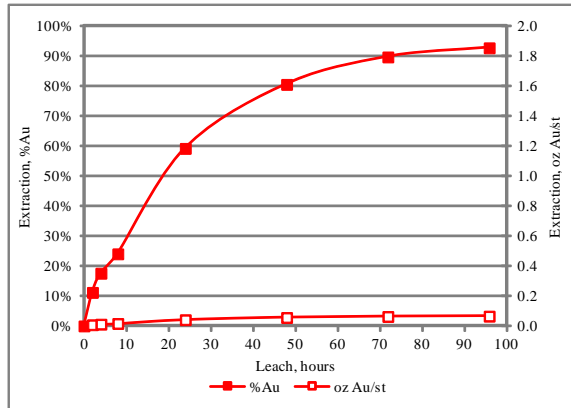


Table 3-41.
Cordex Project
ES-33, 600-605
KCA Sample No. 70913
KCA Test No. 70921 A
Cyanide Bottle Roll Leach Test, Target 1.0 grams per liter NaCN
As-received Material, Calculated 80% passing 0.16 inches
(1,500 grams solids + 2,250 milliliters solution)

KCA Sample No.	KCA Test No.	Period, hours	pH*	Dissolved Oxygen, mg/L**	Free NaCN, gpL*	Total NaCN, gpL*	Added NaCN, grams	Added Ca(OH) ₂ , grams	Volume Out, mLs***	Volume In, mLs***	Feed Ore Wt., grams	Total Solution Volume, mLs	Solution AAS, mg Au/L	Solution AAS, mg Cu/L	Extracted, oz Au/st	Cumulative Au Extraction, %			
70913	70921 A	0	8.2	--	--	--	2.25	0.75	--	--	1,500	2,250	--	--	--	0%			
		2	11.2	6.4	1.04	1.04	0.00	0.00	20	20	1,500	2,250	0.20	2.90	0.0088	20%			
		4	11.1	6.3	1.04	1.04	0.00	0.00	20	20	1,500	2,250	0.33	3.21	0.0145	33%			
		8	11.0	6.4	1.02	1.02	0.00	0.00	20	20	1,500	2,250	0.45	3.44	0.0199	45%			
		24	10.8	6.4	0.96	0.96	0.00	0.00	20	20	1,500	2,250	0.72	3.62	0.0319	72%			
		48	10.7	6.5	0.91	0.94	0.00	0.00	20	20	1,500	2,250	0.81	3.68	0.0361	82%			
		72	10.6	6.5	0.87	0.94	0.29	0.00	20	20	1,500	2,250	0.86	3.83	0.0386	88%			
		96	10.4	6.4	0.99	1.03	--	--	20	20	1,500	2,250	0.82	3.69	0.0372	85%			
Filtrate + Wash:												1,500	3,600	0.48	--	0.0352	80%		
														Tail Assay, oz/st:		0.0084			
														Chemical Consumptions		0.0091			
														Sodium Cyanide, pounds NaCN per dry ton of ore:		0.26	Avg. Tails, oz/st:		0.0088
														Hydrated lime, pounds Ca(OH) ₂ per dry ton of ore:		1.00	Calc. Head, oz/st:		0.0440
																Extracted, %:		80%	

Notes: (*) - Before chemical additions. (**) - Sparged with oxygen when below 4. (***) - 20 mLs removed at each sampling interval and replaced with fresh water.

KCA Sample No.	KCA Test No.	Period, hours	pH*	Dissolved Oxygen, mg/L**	Free NaCN, gpL*	Total NaCN, gpL*	Added NaCN, grams	Added Ca(OH) ₂ , grams	Volume Out, mLs***	Volume In, mLs***	Feed Ore Wt., grams	Total Solution Volume, mLs	Solution AAS, mg Ag/L	Solution AAS, mg Cu/L	Extracted, oz Ag/st	Cumulative Ag Extraction, %			
70913	70921 A	0	8.2	--	--	--	2.25	0.75	--	--	1,500	2,250	--	--	--	0%			
		2	11.2	6.4	1.04	1.04	0.00	0.00	20	20	1,500	2,250	0.46	2.90	0.020	9%			
		4	11.1	6.3	1.04	1.04	0.00	0.00	20	20	1,500	2,250	0.55	3.21	0.024	11%			
		8	11.0	6.4	1.02	1.02	0.00	0.00	20	20	1,500	2,250	0.61	3.44	0.027	12%			
		24	10.8	6.4	0.96	0.96	0.00	0.00	20	20	1,500	2,250	0.81	3.62	0.036	17%			
		48	10.7	6.5	0.91	0.94	0.00	0.00	20	20	1,500	2,250	0.95	3.68	0.043	19%			
		72	10.6	6.5	0.87	0.94	0.29	0.00	20	20	1,500	2,250	0.95	3.83	0.043	20%			
		96	10.4	6.4	0.99	1.03	--	--	20	20	1,500	2,250	0.93	3.69	0.042	19%			
Filtrate + Wash:												1,500	3,600	0.55	--	0.041	19%		
														Tail Assay, oz/st:		0.181			
														Chemical Consumptions		0.175			
														Sodium Cyanide, pounds NaCN per dry ton of ore:		0.26	Avg. Tails, oz/st:		0.178
														Hydrated lime, pounds Ca(OH) ₂ per dry ton of ore:		1.00	Calc. Head, oz/st:		0.219
																Extracted, %:		19%	

Notes: (*) - Before chemical additions. (**) - Sparged with oxygen when below 4. (***) - 20 mLs removed at each sampling interval and replaced with fresh water.

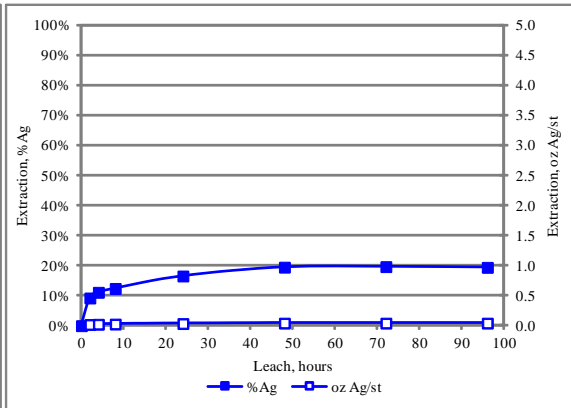
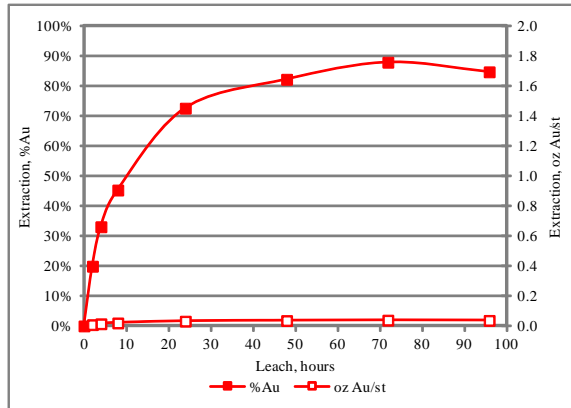


Table 3-42.
Cordex Project
ES-33, 600-605
KCA Sample No. 70913
KCA Test No. 70921 A
As-received Material, Calculated 80% passing 0.16 inches
Tail Screen Analysis

KCA Sample No.	KCA Test No.	Passing, inches/ mesh Tyler	Retained, inches/ mesh Tyler	Dry Screen Analysis			
				Sample Weight, grams	Weight Distribution, %	Cumulative Weight Retained, %	Cumulative Weight Passing, %
70913	70921 A		0.25 inch	8.16	0.5%	0.5%	
		0.25 inch	10 mesh	477.34	32.0%	32.5%	99.5%
		10 mesh	28 mesh	469.82	31.5%	64.0%	67.5%
		28 mesh	65 mesh	388.22	26.0%	90.0%	36.0%
		65 mesh	Pan	148.47	10.0%	100.0%	10.0%
Total -				1492.01	100.0%		

Table 3-43.
Cordex Project
ES-33, 600-605
KCA Sample No. 70913
KCA Test No. 70925 A
Cyanide Bottle Roll Leach Test, Target 1.0 grams per liter NaCN
Pulverized Material, Target 80% passing 200 mesh Tyler
(1,000 grams solids + 1,500 milliliters solution)

KCA Sample No.	KCA Test No.	Period, hours	pH*	Dissolved Oxygen, mg/L**	Free NaCN, gpL*	Total NaCN, gpL*	Added NaCN, grams	Added Ca(OH) ₂ , grams	Volume Out, mLs***	Volume In, mLs***	Feed Ore Wt., grams	Total Solution Volume, mLs	Solution AAS, mg Au/L	Solution AAS, mg Cu/L	Extracted, oz Au/st	Cumulative Au Extraction, %
70913	70925 A	0	9.0	--	--	--	1.50	0.50	--	--	1,000	1,500	--	--	--	0%
		2	10.5	6.7	0.97	0.97	0.00	0.00	20	20	1,000	1,500	0.27	2.17	0.0118	21%
		4	10.5	6.8	0.95	0.95	0.00	0.00	20	20	1,000	1,500	0.45	2.59	0.0198	34%
		8	10.5	6.7	0.93	0.95	0.00	0.00	20	20	1,000	1,500	0.65	2.88	0.0289	50%
		24	10.4	6.6	0.91	0.95	0.00	0.25	20	20	1,000	1,500	1.23	3.37	0.0546	95%
		48	10.7	6.5	0.95	0.95	0.00	0.00	20	20	1,000	1,500	1.21	3.34	0.0545	95%
		72	10.5	6.6	0.91	0.91	0.00	0.00	20	20	1,000	1,500	1.20	3.34	0.0547	95%
		96	10.4	6.7	0.87	0.87	--	--	20	20	1,000	1,500	1.15	3.24	0.0532	92%
Filtrate + Wash:											1,000	2,240	0.80	--	0.0559	97%
													Tail Assay, oz/st:		0.0018	
Chemical Consumptions															0.0017	
Sodium Cyanide, pounds NaCN per dry ton of ore:													0.17	Avg. Tails, oz/st:		0.0018
Hydrated lime, pounds Ca(OH) ₂ per dry ton of ore:													1.50	Calc. Head, oz/st:		0.0576
															Extracted, %:	97%

Notes: (*) - Before chemical additions. (**) - Sparged with oxygen when below 4. (***) - 20 mLs removed at each sampling interval and replaced with fresh water.

KCA Sample No.	KCA Test No.	Period, hours	pH*	Dissolved Oxygen, mg/L**	Free NaCN, gpL*	Total NaCN, gpL*	Added NaCN, grams	Added Ca(OH) ₂ , grams	Volume Out, mLs***	Volume In, mLs***	Feed Ore Wt., grams	Total Solution Volume, mLs	Solution AAS, mg Ag/L	Solution AAS, mg Cu/L	Extracted, oz Ag/st	Cumulative Ag Extraction, %
70913	70925 A	0	9.0	--	--	--	1.50	0.50	--	--	1,000	1,500	--	--	--	0%
		2	10.5	6.7	0.97	0.97	0.00	0.00	20	20	1,000	1,500	1.93	2.17	0.084	35%
		4	10.5	6.8	0.95	0.95	0.00	0.00	20	20	1,000	1,500	2.09	2.59	0.093	38%
		8	10.5	6.7	0.93	0.95	0.00	0.00	20	20	1,000	1,500	2.26	2.88	0.101	42%
		24	10.4	6.6	0.91	0.95	0.00	0.25	20	20	1,000	1,500	2.74	3.37	0.124	51%
		48	10.7	6.5	0.95	0.95	0.00	0.00	20	20	1,000	1,500	2.73	3.34	0.125	52%
		72	10.5	6.6	0.91	0.91	0.00	0.00	20	20	1,000	1,500	2.71	3.34	0.125	52%
		96	10.4	6.7	0.87	0.87	--	--	20	20	1,000	1,500	2.61	3.24	0.123	51%
Filtrate + Wash:											1,000	2,240	1.80	--	0.128	53%
													Tail Assay, oz/st:		0.117	
Chemical Consumptions															0.111	
Sodium Cyanide, pounds NaCN per dry ton of ore:													0.17	Avg. Tails, oz/st:		0.114
Hydrated lime, pounds Ca(OH) ₂ per dry ton of ore:													1.50	Calc. Head, oz/st:		0.242
															Extracted, %:	53%

Notes: (*) - Before chemical additions. (**) - Sparged with oxygen when below 4. (***) - 20 mLs removed at each sampling interval and replaced with fresh water.

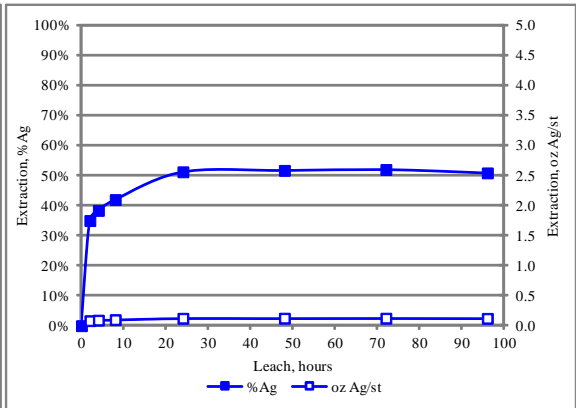
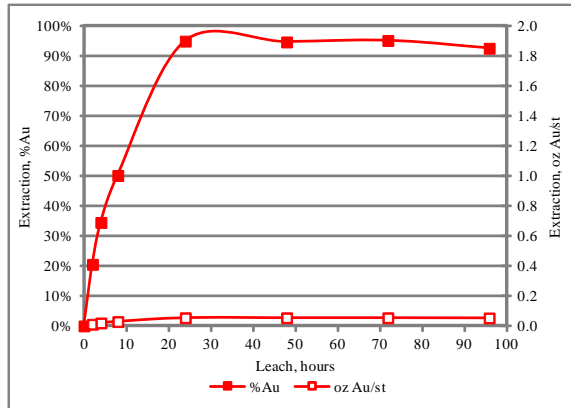


Table 3-44.
Cordex Project
ES-36, 735-740
KCA Sample No. 70914
KCA Test No. 70921 B
Cyanide Bottle Roll Leach Test, Target 1.0 grams per liter NaCN
As-received Material, Calculated 80% passing 0.10 inches
(1,500 grams solids + 2,250 milliliters solution)

KCA Sample No.	KCA Test No.	Period, hours	pH*	Dissolved Oxygen, mg/L**	Free NaCN, gpL*	Total NaCN, gpL*	Added NaCN, grams	Added Ca(OH) ₂ , grams	Volume Out, mLs***	Volume In, mLs***	Feed Ore Wt., grams	Total Solution Volume, mLs	Solution AAS, mg Au/L	Solution AAS, mg Cu/L	Extracted, oz Au/st	Cumulative Au Extraction, %	
70914	70921 B	0	8.2	--	--	--	2.25	0.75	--	--	1,500	2,250	--	--	--	0%	
		2	10.1	6.4	0.89	1.01	0.00	0.50	20	20	1,500	2,250	0.39	1.25	0.0171	50%	
		4	10.4	6.5	0.95	1.00	0.00	0.50	20	20	1,500	2,250	0.50	1.30	0.0220	64%	
		8	10.8	6.5	0.98	0.98	0.00	0.00	20	20	1,500	2,250	0.57	1.36	0.0253	73%	
		24	106.0	6.5	0.93	0.93	0.00	0.00	20	20	1,500	2,250	0.66	1.50	0.0294	86%	
		48	10.6	6.6	0.89	0.93	0.25	0.00	20	20	1,500	2,250	0.68	1.57	0.0306	89%	
		72	10.5	6.6	0.99	1.05	0.00	0.00	20	20	1,500	2,250	0.67	1.65	0.0304	88%	
		96	10.3	6.6	0.98	1.01	--	--	20	20	1,500	2,250	0.63	1.58	0.0289	84%	
Filtrate + Wash:												1,500	3,150	0.45	--	0.0292	85%
												Tail Assay, oz/st:		0.0054			
Chemical Consumptions														0.0051			
Sodium Cyanide, pounds NaCN per dry ton of ore:												0.24	Avg. Tails, oz/st:		0.0053		
Hydrated lime, pounds Ca(OH) ₂ per dry ton of ore:												2.33	Calc. Head, oz/st:		0.0344		
														Extracted, %:	85%		

Notes: (*) - Before chemical additions. (**) - Sparged with oxygen when below 4. (***) - 20 mLs removed at each sampling interval and replaced with fresh water.

KCA Sample No.	KCA Test No.	Period, hours	pH*	Dissolved Oxygen, mg/L**	Free NaCN, gpL*	Total NaCN, gpL*	Added NaCN, grams	Added Ca(OH) ₂ , grams	Volume Out, mLs***	Volume In, mLs***	Feed Ore Wt., grams	Total Solution Volume, mLs	Solution AAS, mg Ag/L	Solution AAS, mg Cu/L	Extracted, oz Ag/st	Cumulative Ag Extraction, %	
70914	70921 B	0	8.2	--	--	--	2.25	0.75	--	--	1,500	2,250	--	--	--	0%	
		2	10.1	6.4	0.89	1.01	0.00	0.50	20	20	1,500	2,250	1.00	1.25	0.044	5%	
		4	10.4	6.5	0.95	1.00	0.00	0.50	20	20	1,500	2,250	1.02	1.30	0.045	5%	
		8	10.8	6.5	0.98	0.98	0.00	0.00	20	20	1,500	2,250	1.07	1.36	0.048	6%	
		24	106.0	6.5	0.93	0.93	0.00	0.00	20	20	1,500	2,250	1.15	1.50	0.052	6%	
		48	10.6	6.6	0.89	0.93	0.25	0.00	20	20	1,500	2,250	1.23	1.57	0.055	7%	
		72	10.5	6.6	0.99	1.05	0.00	0.00	20	20	1,500	2,250	1.29	1.65	0.059	7%	
		96	10.3	6.6	0.98	1.01	--	--	20	20	1,500	2,250	1.25	1.58	0.057	7%	
Filtrate + Wash:												1,500	3,150	0.91	--	0.059	7%
												Tail Assay, oz/st:		0.770			
Chemical Consumptions														0.788			
Sodium Cyanide, pounds NaCN per dry ton of ore:												0.24	Avg. Tails, oz/st:		0.779		
Hydrated lime, pounds Ca(OH) ₂ per dry ton of ore:												2.33	Calc. Head, oz/st:		0.838		
														Extracted, %:	7%		

Notes: (*) - Before chemical additions. (**) - Sparged with oxygen when below 4. (***) - 20 mLs removed at each sampling interval and replaced with fresh water.

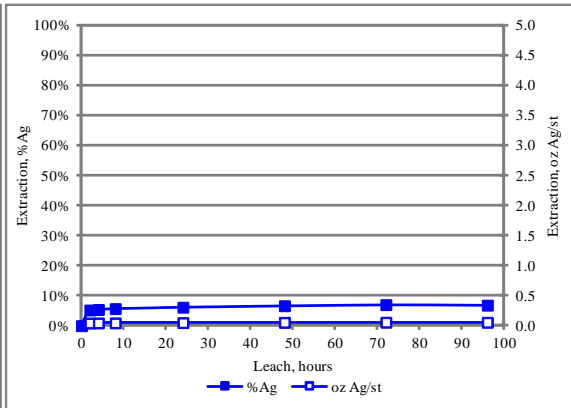
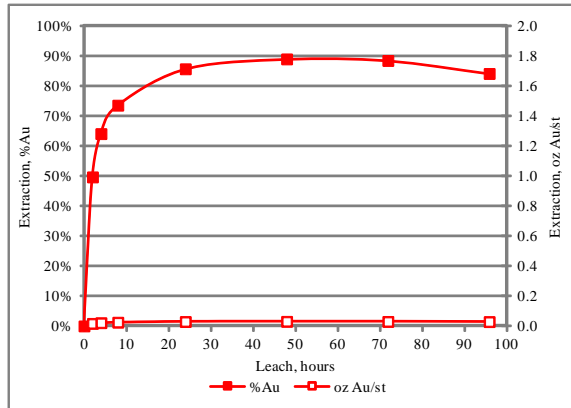


Table 3-45.
Cordex Project
ES-36, 735-740
KCA Sample No. 70914
KCA Test No. 70921 B
As-received Material, Calculated 80% passing 0.10 inches
Tail Screen Analysis

KCA Sample No.	KCA Test No.	Passing, inches/ mesh Tyler	Retained, inches/ mesh Tyler	Dry Screen Analysis			
				Sample Weight, grams	Weight Distribution, %	Cumulative Weight Retained, %	Cumulative Weight Passing, %
70914	70921 B		0.25 inch	7.45	0.5%	0.5%	
		0.25 inch	10 mesh	195.16	13.2%	13.7%	99.5%
		10 mesh	28 mesh	218.02	14.7%	28.4%	86.3%
		28 mesh	65 mesh	399.08	26.9%	55.3%	71.6%
		65 mesh	Pan	663.04	44.7%	100.0%	44.7%
Total -				1482.75	100.0%		

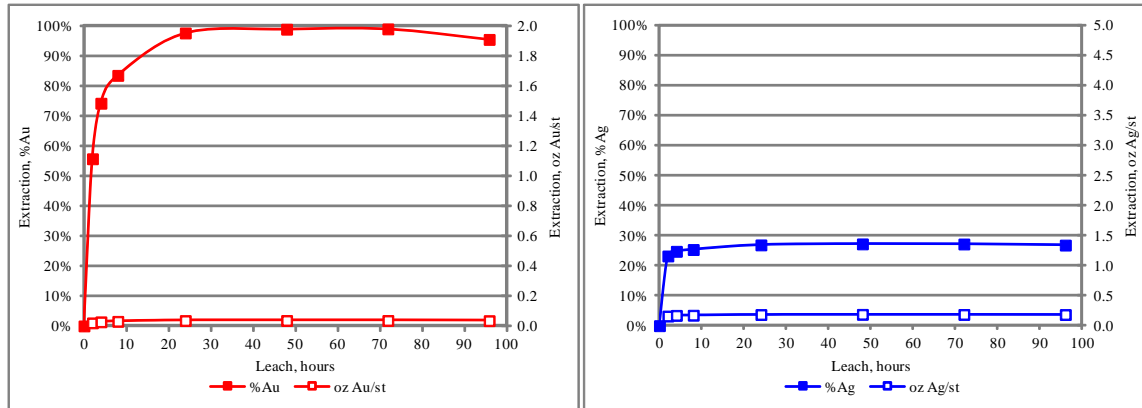
Table 3-46.
Cordex Project
ES-36, 735-740
KCA Sample No. 70914
KCA Test No. 70925 B
Cyanide Bottle Roll Leach Test, Target 1.0 grams per liter NaCN
Pulverized Material, Target 80% passing 200 mesh Tyler
(1,000 grams solids + 1,500 milliliters solution)

KCA Sample No.	KCA Test No.	Period, hours	pH*	Dissolved Oxygen, mg/L**	Free NaCN, gpL*	Total NaCN, gpL*	Added NaCN, grams	Added Ca(OH) ₂ , grams	Volume Out, mLs***	Volume In, mLs***	Feed Ore Wt., grams	Total Solution Volume, mLs	Solution AAS, mg Au/L	Solution AAS, mg Cu/L	Extracted, oz Au/st	Cumulative Au Extraction, %
70914	70925 B	0	8.3	--	--	--	1.50	0.50	--	--	1,000	1,500	--	--	--	0%
		2	9.8	6.6	0.80	1.00	0.00	0.50	20	20	1,000	1,500	0.47	0.69	0.0206	56%
		4	10.2	6.7	0.89	1.00	0.00	0.50	20	20	1,000	1,500	0.62	0.76	0.0274	74%
		8	10.5	6.7	0.95	1.00	0.00	0.00	20	20	1,000	1,500	0.69	0.81	0.0308	83%
		24	10.4	6.7	0.88	0.98	0.00	0.50	20	20	1,000	1,500	0.80	1.07	0.0360	98%
		48	10.7	6.5	0.92	0.93	0.00	0.00	20	20	1,000	1,500	0.80	1.15	0.0365	99%
		72	10.5	6.6	0.92	0.93	0.00	0.00	20	20	1,000	1,500	0.79	1.21	0.0365	99%
		96	10.4	6.9	0.92	0.93	--	--	20	20	1,000	1,500	0.75	1.20	0.0352	95%
Filtrate + Wash:											1,000	2,000	0.56	--	0.0355	96%
														Tail Assay, oz/st:		0.0014
Chemical Consumptions																0.0015
Sodium Cyanide, pounds NaCN per dry ton of ore:												0.03	Avg. Tails, oz/st:		0.0014	
Hydrated lime, pounds Ca(OH) ₂ per dry ton of ore:												4.00	Calc. Head, oz/st:		0.0370	
														Extracted, %:		96%

Notes: (*) - Before chemical additions. (**) - Sparged with oxygen when below 4. (***) - 20 mLs removed at each sampling interval and replaced with fresh water.

KCA Sample No.	KCA Test No.	Period, hours	pH*	Dissolved Oxygen, mg/L**	Free NaCN, gpL*	Total NaCN, gpL*	Added NaCN, grams	Added Ca(OH) ₂ , grams	Volume Out, mLs***	Volume In, mLs***	Feed Ore Wt., grams	Total Solution Volume, mLs	Solution AAS, mg Ag/L	Solution AAS, mg Cu/L	Extracted, oz Ag/st	Cumulative Ag Extraction, %
70914	70925 B	0	8.3	--	--	--	1.50	0.50	--	--	1,000	1,500	--	--	--	0%
		2	9.8	6.6	0.80	1.00	0.00	0.50	20	20	1,000	1,500	3.66	0.69	0.160	23%
		4	10.2	6.7	0.89	1.00	0.00	0.50	20	20	1,000	1,500	3.86	0.76	0.171	25%
		8	10.5	6.7	0.95	1.00	0.00	0.00	20	20	1,000	1,500	3.90	0.81	0.175	25%
		24	10.4	6.7	0.88	0.98	0.00	0.50	20	20	1,000	1,500	4.09	1.07	0.186	27%
		48	10.7	6.5	0.92	0.93	0.00	0.00	20	20	1,000	1,500	4.09	1.15	0.188	27%
		72	10.5	6.6	0.92	0.93	0.00	0.00	20	20	1,000	1,500	4.03	1.21	0.188	27%
		96	10.4	6.9	0.92	0.93	--	--	20	20	1,000	1,500	3.92	1.20	0.185	27%
Filtrate + Wash:											1,000	2,000	2.88	--	0.184	27%
														Tail Assay, oz/st:		0.513
Chemical Consumptions																0.502
Sodium Cyanide, pounds NaCN per dry ton of ore:												0.03	Avg. Tails, oz/st:		0.508	
Hydrated lime, pounds Ca(OH) ₂ per dry ton of ore:												4.00	Calc. Head, oz/st:		0.692	
														Extracted, %:		27%

Notes: (*) - Before chemical additions. (**) - Sparged with oxygen when below 4. (***) - 20 mLs removed at each sampling interval and replaced with fresh water.



**Table 3-47.
Cordex Project
Head Grade Comparison - Gold**

KCA Sample No.	Drill Hole	Interval	Received Assay, oz Au/st	Average Head Assay, oz Au/st	Coarse Bottle Roll Calculated Head, oz Au/st	Pulverized Bottle Roll Calculated Head, oz Au/st	Overall Average Head Grade, oz Au/st	Standard Deviation	Relative Standard Deviation
70901	ES-13	125-130	0.0664	0.0536	0.0452	0.0479	0.0533	0.0094	18%
70902	ES-13	230-235	0.0304	0.0204	0.0306	0.0310	0.0281	0.0051	18%
70903	ES-14	360-365	0.1076	0.0971	0.0997	0.0930	0.0994	0.0062	6%
70904	ES-14	465-470	0.0175	0.0177	0.0210	0.0298	0.0215	0.0058	27%
70905	ES-19	740-745	0.1108	0.0783	0.0736	0.0754	0.0845	0.0176	21%
70906	ES-20	480-485	0.1963	0.1865	0.1648	0.1413	0.1722	0.0245	14%
70907	ES-21	560-565	0.0520	0.0292	0.0386	0.0420	0.0404	0.0094	23%
70908	ES-25	165-170	0.0100	0.0208	0.0164	0.0128	0.0150	0.0047	31%
70909	ES-26	285-290	0.3300	0.4055	0.3279	0.3310	0.3486	0.0380	11%
70910	ES-27	70-75	0.0379	0.0449	0.0507	0.0270	0.0401	0.0102	25%
70911	ES-27	550-555	0.0420	0.0526	0.0360	0.0432	0.0435	0.0069	16%
70912	ES-32	965-970	0.0952	0.0948	0.0643	0.0704	0.0812	0.0161	20%
70913	ES-33	600-605	0.0467	0.0423	0.0440	0.0576	0.0476	0.0069	14%
70914	ES-36	735-740	0.0290	0.0367	0.0344	0.0370	0.0343	0.0037	11%

Table 3-48.
Cordex Project
Head Grade Comparison - Silver

KCA Sample No.	Drill Hole	Interval	Received Assay, oz Ag/st	Average Head Assay, oz Ag/st	Coarse Bottle Roll Calculated Head, oz Ag/st	Pulverized Bottle Roll Calculated Head, oz Ag/st	Overall Average Head Grade, oz Ag/st	Standard Deviation	Relative Standard Deviation
70901	ES-13	125-130	0.257	0.259	0.246	0.297	0.265	0.022	8%
70902	ES-13	230-235	0.140	0.108	0.106	0.165	0.130	0.028	22%
70903	ES-14	360-365	0.669	1.724	1.532	1.393	1.329	0.461	35%
70904	ES-14	465-470	0.035	0.091	0.079	0.077	0.070	0.024	35%
70905	ES-19	740-745	1.986	1.774	1.587	1.496	1.711	0.217	13%
70906	ES-20	480-485	1.781	1.281	1.173	1.297	1.383	0.271	20%
70907	ES-21	560-565	0.061	0.029	0.040	0.062	0.048	0.016	34%
70908	ES-25	165-170	0.070	0.199	0.168	0.174	0.153	0.057	37%
70909	ES-26	285-290	0.496	0.321	0.291	0.352	0.365	0.091	25%
70910	ES-27	70-75	0.117	0.190	0.175	0.197	0.170	0.036	21%
70911	ES-27	550-555	0.234	0.365	0.298	0.343	0.310	0.058	19%
70912	ES-32	965-970	2.900	0.102	0.151	0.193	0.836	1.376	165%
70913	ES-33	600-605	0.409	0.225	0.219	0.242	0.274	0.091	33%
70914	ES-36	735-740	0.993	0.960	0.838	0.692	0.871	0.136	16%

4.0 Assaying Procedures

4.1 Heads and Tails

Head assays for gold were run as one assay ton (1AT) fire assays by standard fire assay methods with flame atomic absorption spectrophotometric (FAAS) finish. Head assays for silver were run as a four (4) acid digestion of a 0.2 gram sample with FAAS finish.

Tail assays for gold were run as one assay ton (1AT) fire assays by standard fire assay methods with flame atomic absorption spectrophotometric (FAAS) finish. Tail assays for silver were run as a four (4) acid digestion of a 0.2 gram sample with FAAS finish.

4.2 Solution Assays

Solution assays were made by FAAS methods using certified gold and silver standards.

4.3 Cyanide Assays

Sodium cyanide concentrations in leach solutions were determined using a colorimetric titration using a silver nitrate titrant and 5-[p-(Dimethylamino)-benzylidene]-rhodanine as the indicator. Free cyanide was determined by titrating 25 mL of the leach solution to the colorimetric end point. A few drops of 1N sodium hydroxide solution were then added to break up any base metal cyanide complexes and the titration continued until the end point was reached again to determine the “total” cyanide in solution.

4.4 Available Lime Index

The available lime index for the reagent grade hydrated lime ($\text{Ca}(\text{OH})_2$) or lime (CaO) utilized by Kappes, Cassiday & Associates (KCA) for this test program was determined using a modified procedure developed from ASTM C25-99, Standard Test Methods for Chemical Analysis of Limestone, Quicklime and Hydrated Lime. This test is otherwise known as the “rapid sugar test method”.

For the Available Lime Index test method, a sample of the reagent grade lime material is slaked and dispersed with water. The lime is solubilized by reaction with sugar to form calcium succrate which is then determined by titration against a standard acid (hydrochloric acid) using phenolphthalein as the indicator.

Analysis of the reagent grade hydrated lime ($\text{Ca}(\text{OH})_2$) or lime (CaO) utilized by KCA is conducted periodically and the average results are reported below:

Reagent Grade Product	Available Lime Index, % CaO
Lime, CaO	95.4%
Hydrated Lime, $\text{Ca}(\text{OH})_2$	73.1%