

GIANT YELLOWKNIFE MINES LTD  
CYANIDATION TESTS

Date: August 14, 90  
Sample: WAROX - AUG 9 - 11 comp  
Test #: W18

Initial						
Size =200 g	Reagents	1 hr Roll	After	hrs	After	hrs
pH =	CaO = g	pH =	pH =		pH =	
%-200=	NaCN = g	CN <sup>-</sup> = lb/t	CN <sup>-</sup> =	lb/t	CN <sup>-</sup> =	lb/t
H2O =	pH to	Tit = ml	Tit =	ml	Tit =	ml
Other=	Other=	Other=	Other=		Other=	
	AMINE-0.8lb/t					
	NaOH- 1 lb/t	NaCN - 18 lb/t				
	Na2CO3-					
	5 lb/t					

Calculations

	Units	GOLD			ARSENIC		
		Assay	Distrib	Recovery	Assay	Distrib	Recovery
Preg	0.197 l	21.29 mg/l	4.19 mg	54.1 %	4348 mg/l	857 mg	6.2 %
Wash	1.000 l	2.88 mg/l	2.88 mg	37.1 %	0 mg/l	0 mg	0.0 %
Total	1.197 l	5.91 mg/l	7.07 mg	91.2 %	716 mg/l	857 mg	6.2 %
Residue	200 g	3.43 g/t	0.69 mg	8.8 %	6.47 %	12940 mg	93.8 %
Calc Head	200 g	38.80 g/t	7.76 mg	100.0 %	6.90 %	13797 mg	100.0 %
Assay Head	200 g	53.49 g/t	10.70 mg	%	9.56 %	19120 mg	%

GIANT YELLOWKNIFE MINES LTD  
CYANIDATION TESTS

Date: August 14, 90  
Sample: WAROX - AUG 9 - 11 comp  
Test #: W17

Initial						
Size =200 g	Reagents	1 hr Roll	After	hrs	After	hrs
pH =	CaO = g	pH =	pH =		pH =	pH = 8.2
%-200=	NaCN = g	CN = lb/t	CN =	lb/t	CN =	lb/t
H2O =	pH to	Tit = ml	Tit =	ml	Tit =	ml
Other=	Other=	Other=	Other=		Other=	Other=
	AMINE-0.8lb/t					
	NaOH- 1 lb/t	NaCN - 18 lb/t				
	Na2CO3-					
	5 lb/t					

Calculations

		GOLD			ARSENIC		
	Units	Assay	Distrib	Recovery	Assay	Distrib	Recovery
Preg	0.194 l	20.91 mg/l	4.06 mg	52.8 %	4594 mg/l	891 mg	6.2 %
Wash	1.000 l	2.95 mg/l	2.95 mg	38.3 %	0 mg/l	0 mg	0.0 %
Total	1.194 l	5.87 mg/l	7.01 mg	91.1 %	746 mg/l	891 mg	6.2 %
Residue	200 g	3.43 g/t	0.69 mg	8.9 %	6.69 %	13380 mg	93.8 %
Calc Head	200 g	38.46 g/t	7.69 mg	100.0 %	7.14 %	14271 mg	100.0 %
Assay Head	200 g	53.49 g/t	10.70 mg	%	9.56 %	19120 mg	%

GIANT YELLOWKNIFE MINES LTD  
CYANIDATION TESTS

Date: August 14, 90  
Sample: WAROX - AUG 7 - 8 comp  
Test #: W16

Initial						
Size =200 g	Reagents	1 hr Roll	After hrs	After hrs	After 72 hrs	
pH =	CaO = g	pH =	pH =	pH =	pH = 8.3	
%-200=	NaCN = g	CN = lb/t	CN = lb/t	CN = lb/t	CN = 1.7 lb/t	
H2O =	pH to	Tit = ml	Tit = ml	Tit = ml	Tit = ml	
Other=	Other=	Other=	Other=	Other=	Other=	
	AMINE-0.8lb/t					
	NaOH- 1 lb/t	NaCN - 18 lb/t				
	Na2CO3- 5 lb/t					

Calculations

	Units	GOLD			ARSENIC		
		Assay	Distrib	Recovery	Assay	Distrib	Recovery
Preg	0.220 l	30.55 mg/l	6.72 mg	57.8 %	5048 mg/l	1111 mg	5.6 %
Wash	1.000 l	4.08 mg/l	4.08 mg	35.1 %	0 mg/l	0 mg	0.0 %
Total	1.220 l	8.85 mg/l	10.80 mg	92.9 %	910 mg/l	1111 mg	5.6 %
Residue	200 g	4.11 g/t	0.82 mg	7.1 %	9.44 %	18880 mg	94.4 %
Calc Head	200 g	58.12 g/t	11.62 mg	100.0 %	10.00 %	19991 mg	100.0 %
Assay Head	200 g	57.60 g/t	11.52 mg	%	12.77 %	25540 mg	%

GIANT YELLOWKNIFE MINES LTD  
CYANIDATION TESTS

Date: August 14, 90  
Sample: WAROX - AUG 7 - 8 comp  
Test #: W15

Initial						
Size =200 g	Reagents	1 hr Roll	After hrs	After hrs	After 72 hrs	
pH =	CaO = g	pH =	pH =	pH =	pH = 8.5	
%-200=	NaCN = g	CN <sup>-</sup> = lb/t	CN <sup>-</sup> = lb/t	CN <sup>-</sup> = lb/t	CN <sup>-</sup> = 1.9 lb/t	
H2O =	pH to	Tit = ml	Tit = ml	Tit = ml	Tit = ml	
Other=	Other=	Other=	Other=	Other=	Other=	
	AMINE-0.8lb/t					
	NaOH- 1 lb/t	NaCN - 18 lb/t				
	Na2CO3- 5 lb/t					

Calculations

	Units	GOLD			ARSENIC		
		Assay	Distrib	Recovery	Assay	Distrib	Recovery
Preg	0.200 l	30.34 mg/l	6.07 mg	58.0 %	4555 mg/l	911 mg	5.0 %
Wash	1.000 l	3.57 mg/l	3.57 mg	34.1 %	0 mg/l	0 mg	0.0 %
Total	1.200 l	8.03 mg/l	9.63 mg	92.1 %	759 mg/l	911 mg	5.0 %
Residue	200 g	4.11 g/t	0.82 mg	7.9 %	8.65 %	17300 mg	95.0 %
Calc Head	200 g	52.29 g/t	10.46 mg	100.0 %	9.11 %	18211 mg	100.0 %
Assay Head	200 g	57.60 g/t	11.52 mg	%	12.77 %	25540 mg	%

GIANT YELLOWKNIFE MINES LTD  
CYANIDATION TESTS

Date: August 14, 90  
Sample: WAROX - JULY 31 - AUG 1 comp  
Test #: W14

Initial						
Size =200 g	Reagents	1 hr Roll	After hrs	After hrs	After 72 hrs	
pH =	CaO = g	pH =	pH =	pH =	pH = 8.3	
%-200=	NaCN = g	CN <sup>-</sup> = lb/t	CN <sup>-</sup> = lb/t	CN <sup>-</sup> = lb/t	CN <sup>-</sup> = 2.4 lb/t	
H2O =	pH to	Tit = ml	Tit = ml	Tit = ml	Tit = ml	
Other=	Other=	Other=	Other=	Other=	Other=	
	AMINE-0.8lb/t					
	NaOH- 1 lb/t	NaCN - 18 lb/t				
	Na2CO3- 5 lb/t					

Calculations

		GOLD			ARSENIC		
	Units	Assay	Distrib	Recovery	Assay	Distrib	Recovery
Preg	0.185 l	27.77 mg/l	5.14 mg	50.3 %	2206 mg/l	408 mg	7.4 %
Wash	1.000 l	3.98 mg/l	3.98 mg	38.9 %	0 mg/l	0 mg	0.0 %
Total	1.185 l	7.69 mg/l	9.11 mg	89.3 %	344 mg/l	408 mg	7.4 %
Residue	200 g	5.49 g/t	1.10 mg	10.7 %	2.55 %	5100 mg	92.6 %
Calc Head	200 g	51.06 g/t	10.21 mg	100.0 %	2.75 %	5508 mg	100.0 %
Assay Head	200 g	54.86 g/t	10.97 mg	%	2.66 %	5320 mg	%

GIANT YELLOWKNIFE MINES LTD  
CYANIDATION TESTS

Date: August 14, 90  
Sample: WAROX - JULY 31 - AUG 1 comp  
Test #: W13

Initial						
Size =200 g	Reagents	1 hr Roll	After	hrs	After	hrs
pH =	CaO = g	pH =	pH =		pH =	
%-200=	NaCN = g	CN = lb/t	CN =	lb/t	CN =	lb/t
H2O =	pH to	Tit = ml	Tit =	ml	Tit =	ml
Other=	Other=	Other=	Other=		Other=	
	AMINE-0.8lb/t					
	NaOH- 1 lb/t	NaCN - 18 lb/t				
	Na2CO3- 5 lb/t					

Calculations

		GOLD			ARSENIC		
	Units	Assay	Distrib	Recovery	Assay	Distrib	Recovery
Preg	0.194 l	27.67 mg/l	5.37 mg	53.5 %	2212 mg/l	429 mg	7.6 %
Wash	1.000 l	3.70 mg/l	3.70 mg	36.9 %	0 mg/l	0 mg	0.0 %
Total	1.194 l	7.60 mg/l	9.07 mg	90.4 %	359 mg/l	429 mg	7.6 %
Residue	200 g	4.80 g/t	0.96 mg	9.6 %	2.62 %	5240 mg	92.4 %
Calc Head	200 g	50.15 g/t	10.03 mg	100.0 %	2.83 %	5669 mg	100.0 %
Assay Head	200 g	54.86 g/t	10.97 mg	%	2.66 %	5320 mg	%

GIANT YELLOWKNIFE MINES LTD  
CYANIDATION TESTS

Date: August 14, 90  
Sample: WAROX - JULY 26 - 27 comp  
Test #: W12

Initial						
Size = 200 g	Reagents	1 hr Roll	After hrs	After hrs	After 72 hrs	
pH =	CaO = g	pH =	pH =	pH =	pH = 8.6	
%-200=	NaCN = g	CN <sup>-</sup> = lb/t	CN <sup>-</sup> = lb/t	CN <sup>-</sup> = lb/t	CN <sup>-</sup> = 2.3 lb/t	
H2O =	pH to	Tit = ml	Tit = ml	Tit = ml	Tit = ml	
Other=	Other=	Other=	Other=	Other=	Other=	
	AMINE-0.8lb/t					
	NaOH- 1 lb/t	NaCN - 18 lb/t				
	Na2CO3- 5 lb/t					

Calculations

	Units	GOLD			ARSENIC		
		Assay	Distrib	Recovery	Assay	Distrib	Recovery
Preg	0.180 l	26.74 mg/l	4.81 mg	50.6 %	976 mg/l	176 mg	3.7 %
Wash	1.000 l	3.87 mg/l	3.87 mg	40.7 %	0 mg/l	0 mg	0.0 %
Total	1.180 l	7.36 mg/l	8.69 mg	91.3 %	149 mg/l	176 mg	3.7 %
Residue	200 g	4.11 g/t	0.82 mg	8.7 %	2.30 %	4600 mg	96.3 %
Calc Head	200 g	47.55 g/t	9.51 mg	100.0 %	2.39 %	4776 mg	100.0 %
Assay Head	200 g	50.06 g/t	10.01 mg	%	2.55 %	5100 mg	%

GIANT YELLOWKNIFE MINES LTD  
CYANIDATION TESTS

Date: August 14, 90  
Sample: WAROX - JULY 26 - 27 comp  
Test #: W11

Initial						
Size =200 g	Reagents	1 hr Roll	After hrs	After hrs	After 72 hrs	
pH =	CaO = g	pH =	pH =	pH =	pH = 8.6	
%-200=	NaCN = g	CN <sup>-</sup> = lb/t	CN <sup>-</sup> = lb/t	CN <sup>-</sup> = lb/t	CN <sup>-</sup> = 2.0 lb/t	
H2O =	pH to	Tit = ml	Tit = ml	Tit = ml	Tit = ml	
Other=	Other=	Other=	Other=	Other=	Other=	
	AMINE-0.8lb/t					
	NaOH- 1 lb/t	NaCN - 18 lb/t				
	Na2CO3- 5 lb/t					

Calculations

		GOLD			ARSENIC		
	Units	Assay	Distrib	Recovery	Assay	Distrib	Recovery
Preg	0.182 l	26.33 mg/l	4.79 mg	49.4 %	1117 mg/l	203 mg	4.5 %
Wash	1.000 l	3.94 mg/l	3.94 mg	40.7 %	0 mg/l	0 mg	0.0 %
Total	1.182 l	7.39 mg/l	8.74 mg	90.1 %	172 mg/l	203 mg	4.5 %
Residue	200 g	4.80 g/t	0.96 mg	9.9 %	2.14 %	4280 mg	95.5 %
Calc Head	200 g	48.48 g/t	9.70 mg	100.0 %	2.24 %	4483 mg	100.0 %
Assay Head	200 g	50.06 g/t	10.01 mg	%	2.55 %	5100 mg	%



GIANT YELLOWKNIFE MINES LTD  
CYANIDATION TESTS

Date: August 14, 90  
Sample: HCD composite July 31- Aug 9  
Test #: W10

Initial						
Size =200 g	Reagents	1 hr Roll	After hrs	After hrs	After 72 hrs	
pH =	CaO = g	pH =	pH =	pH =	pH = 9.2	
%-200=	NaCN = g	CN <sup>-</sup> = lb/t	CN <sup>-</sup> = lb/t	CN <sup>-</sup> = lb/t	CN <sup>-</sup> = 2.6 lb/t	
H2O =	pH to	Tit = ml	Tit = ml	Tit = ml	Tit = ml	
Other=	Other=	Other=	Other=	Other=	Other=	
	AMINE-0.8lb/t					
	NaOH- 1 lb/t	NaCN - 18 lb/t				
	Na2CO3- 5 lb/t					

Calculations

	Units	GOLD			ARSENIC		
		Assay	Distrib	Recovery	Assay	Distrib	Recovery
Preg	0.215 l	26.23 mg/l	5.64 mg	49.0 %	196 mg/l	42 mg	0.9 %
Wash	1.000 l	4.08 mg/l	4.08 mg	35.5 %	0 mg/l	0 mg	0.0 %
Total	1.215 l	8.00 mg/l	9.72 mg	84.5 %	35 mg/l	42 mg	0.9 %
Residue	200 g	8.91 g/t	1.78 mg	15.5 %	2.30 %	4600 mg	99.1 %
Calc Head	200 g	57.51 g/t	11.50 mg	100.0 %	2.32 %	4642 mg	100.0 %
Assay Head	200 g	53.49 g/t	10.70 mg	%	2.10 %	4200 mg	%

GIANT YELLOWKNIFE MINES LTD  
CYANIDATION TESTS

Date: August 14, 90  
Sample: HCD composite July 31- Aug 9  
Test #: W9

Initial						
Size =200 g	Reagents	1 hr Roll	After	hrs	After	hrs
pH =	CaO = g	pH =	pH =		pH =	pH = 9.1
%-200=	NaCN = g	CN <sup>-</sup> = lb/t	CN <sup>-</sup> =	lb/t	CN <sup>-</sup> =	lb/t
H2O =	pH to	Tit = ml	Tit =	ml	Tit =	ml
Other=	Other=	Other=	Other=		Other=	Other=
	AMINE-0.8lb/t					
	NaOH- 1 lb/t	NaCN - 18 lb/t				
	Na2CO3- 5 lb/t					

Calculations

		GOLD			ARSENIC		
	Units	Assay	Distrib	Recovery	Assay	Distrib	Recovery
Preg	0.215 l	26.33 mg/l	5.66 mg	53.2 %	233 mg/l	50 mg	1.1 %
Wash	1.000 l	4.15 mg/l	4.15 mg	39.0 %	0 mg/l	0 mg	0.0 %
Total	1.215 l	8.07 mg/l	9.81 mg	92.3 %	41.23 mg/l	50 mg	1.1 %
Residue	200 g	4.11 g/t	0.82 mg	7.7 %	2.21 %	4420 mg	98.9 %
Calc Head	200 g	53.16 g/t	10.63 mg	100.0 %	2.24 %	4470 mg	100.0 %
Assay Head	200 g	53.49 g/t	10.70 mg	%	2.1 %	4200 mg	%