APPENDIX 1:

1998

EL 3347

KUNBOHWINJGU

DIAMONS DRILL LOGS

HOLES KBW 1 TO 5

AFMECO MINING AND EXPLORATION - DIAMOND DRILLHOLE LOG

E.L. No: 3347 | Anomaly: Steven's | Hole Number: KBW 01 | Logged By: Petro Kastellorizos / Camilla Colebatch

Easting: 339 580 | Northing: 8635105 | R.L: 140 | Dip: -60 | Azimuth: 360° M

Precollar: | Total Depth: 287.2 | Start Date: 12th June 1998 | Finish Date: 17th June 1998

Driller: P. SHORE | Rig: Heli-Rig #18 Century | Hole Size NQ2 | Gamma log: Auslog

Depth (m)	Box #	Core rec %	S_0 / S_1	Geol	Max Gsize	Fractures	Colour	Alteration (C H Si Cy Bl Li)	Minerals (Q)	Comments	Samp #
					1	6F 60-90 Ro K-L				Fine to medium grained strongly bleached, well sorted, highly fractured / weathered sandstone. Silicification (strong) due to frequent druzzy quartz infilling, with some being stained by heamatite from 5.0m - 6.0 metres. From 6.10 m - 7.55 m - highly friable zone with moderate bleaching + weak heamtite altn.	×RO
					1	8F 30-90 Ro DQz K	dRB				
					1	4F 60-70 Ro L H 3F 5-10 Ro DQz H	to				
					1	7F 5-60 Ro L HK	mOPR				
	1	75%	58°		1	8F 50-70 Ro DQz 3F 5-15 Ro DQz H					PIMA
5					1	Highly broken Qz K					
					1	Highly broken K					
					1	11F 25-60 Ro K					
8.2										Heamtitic fine to medium grained sandstone.	
8.9			60°		1	7F 20-75 Ro K					PIMA
10					1	4F 70-75 Ro					

AFMECO MINING AND EXPLORATION DIAMOND DRILLHOLE LOG

Hole #: KBW ϕ1 **Page#:** 2

Depth (m)	Box #	Core rec %	S_0 / S_1	Geol	Max Gsize	Fractures	Colour	Alteration (C H Si Cy Bl Li)	Minerals (Q)	Comments	Samp #
			52°		1	BF 10-15 Ro 3F 70-90 Ro K				Strongly bleached fine to medium grained weakly silicified sandstone with abundant Kaolinitic fractures.	
					1	9F 10-60 Ro K					
	2	95%			1	7F 20-65 Ro DQ	10P			@ 13.30 m druzzy quartz fractures at 50° TCA.	
			60		1	10F 20-80 Ro K	to			@ Highly fractured zone at 14.05 - 14.82 m	
15					1	5F 40-80 Ro K				No diagentic colours present due to strong bleaching	PIMA
					1	11F 15-70 Ro K	mPR				
			61°		1	10F 20-85 Ro K					
					1	8F 20-85 Ro K					
18.5					1	6F 55-70 Ro L K				Weak to moderately bleached, fine to medium grained sandstone with limonite alteration. Limonitic fracturation is dominant. Short intervals of brecciation filled with quartz and hematite (hydraulic breccias) at present at 21.0 and 25.10 m. Druzzy qtz at 60° TCA at 21.5 m	PIMA
20			64°		1	10F 40-80 Ro L	1RB				
					1	7F 40-80 Ro L	to				
		100%			1	5F 10-40 Ro K L	1YP				
	4		60°		1	5F 60-90 Ro K L	to				
			71°		1	6F 60-90 Ro L	mYB				
25					1	7F 30-60 Ro L					PIMA

AFMECO MINING AND EXPLORATION DIAMOND DRILLHOLE LOG

Hole #: KBW 91 **Page#:** 3

Depth (m)	Box #	Core rec %	S_0 / S_1	Geol	Max Gsize	Fractures	Colour	Alteration (C H Si Cy Bl Li)	Minerals (Q)	Comments	Samp #
26.0	5	100%			1	8F 40-90 Ro L					
					1	7F 25-65 Ro L				Silicified fine - medium grained sandstone with limonitic fractures. @ 27.0 - 28.2 m heamtite - limonitic sandstone	
			65°		1	2F 55-60 Ro KL					
28.2					1	4F 5-50 Ro L				Heamtitic - limonitic fine - medium grained sandstone with moderately silicification disseminated throughout core	PIMA
30	6		60°		1	4F 30-50 Ro L					
			65°		1	5F 20-75 Ro KL					
		100%			1	8F 35-75 Ro KL	IBO			Breccia zone present at 28.8, 29.2, 31.9, 32.7, 37.9, 38.8 m. The sandstone clasts are limonitized with the matrix being heamtite.	
					1	4F 15-80 Ro L					
					1	8F 20-80 Ro L	to				
35	7		70°		1	Highly broken L				Stylolites are common with a core axis of 60° at 39.7m.	PIMA
					1	4F 55-85 Ro L	m'RB				
					1	3F 20-40 Ro L				@ 35.1 - 35.2 to 35.6 - 36.0 m strongly fractured zone. Small healed druzzy quartz veins are common throughout the core	
		100%			1	10F 30-65 Ro KL					
			70°		1	7F 60-90 Ro KL					
40			60°		1	3F 65-75 Ro L					PIMA

AFMECO MINING AND EXPLORATION DIAMOND DRILLHOLE LOG

Hole #: KBW #1 **Page#:** 4

Depth (m)	Box #	Core rec %	S_0 / S_1	Geol	Max Gsize	Fractures	Colour	Alteration (C H Si Cy Bl Li)	Minerals (Q)	Comments	Samp #
40.5					1	5F 30-60 Ro L				Silicified fine to medium grained sandstone with moderately to strong hematite and limonite. altn. @ 44.55 m druzzy quartz fractures present at 60° TCA. Stylolites are common at 70° TCA - 49.93 m. Bleached zone present where moderate limonitization occurs. Druzzy quartz healed veins are disseminated. Limonitic and kaolinitic fractures present - limonitic fractures are more frequent. Bedding planes are 70° TCA.	
			68°		1	1F 70-75 Ro H					
					1	4F 10-55 Ro L					
					1	DQz 7F 20-50 Ro L	mRB				
45					1	8F 20-70 Ro L K					PIMA
					1	3F 20-40 Ro L	to				
	8	100%	70°		1	2F 10-30 Ro L	mYO				
					1	1F 32-35 Ro K					
			70°		1	5F 20-60 Ro L					
					1	3F 20-70 Ro L					
50			70°		1	2F 10-25 Ro L					PIMA
	9	100%			1	8F 60-80 Ro L H				Strongly silicified fine to medium hematitized-limonitized sandstone. @ 54.5 m breccia zone with strong silicified sandstone clasts incorp. with hematite / limonite matrix (cement)	
			66°		1	6F 55-70 Ro L H					
					1	1F 25-30 Ro H					
55			70°		1	4F 60-70 Ro H					PIMA

AFMECO MINING AND EXPLORATION DIAMOND DRILLHOLE LOG

Hole #: KBW 01 **Page#:** 5

Depth (m)	Box #	Core rec %	S_0 / S_1	Geol	Max Gsize	Fractures	Colour	Alteration (C H Si Cy Li Bl)	Minerals (Q)	Comments	Samp #
			65°		1	4F 60-65 Ro L H				Open drezy quartz fractures are abundant throughout the core.	
			50°		1	3F 40-50 Ro L H				Abundant thick healed fractures containing mostly	
					1	3F 50-60 Ro L H	mRB			haemtite and minor limonite.	
						ss					
	10	100%	70°		1	4F 35-50 Ro L H	to			Stylolites are common at 55° to 70° TCA. @ 59.7	
60			40°		1	1F 45 Ro H					PIMA
					1	2F 10-30 Ro H L	dORB			slickenslides displaying a reverse motion. @ 61.5 m to	
			55°		1	3F 20-50 Ro L K				61.6m open fracture (10° TCA) has oxz marcasite?	
			60°		1	7F 30-85 Ro L H					
64.1					1	3F 45-50 Ro L H					
65			75°		1	3F 45-50 Ro L H				Strongly silicified fine to medium grained	PIMA
	11		60°		1	3F 45-50 Ro L H				sandstone with haemtite and very minor limonite	
					1	3F 10-35 Ro L H				alteration.	
					1	4F 15-30 Ro L				@ 65.9 strong breccia zone with strongly	
					1	5F 10-50 Ro L				silicified sandstone clasts with limonitic / haemtitized	
70			60°		1	4F 50-60 Ro L				cement matrix	PIMA

AFMECO MINING AND EXPLORATION DIAMOND DRILLHOLE LOG

Hole #: KBW 01 **Page#:** 6

Depth (m)	Box #	Core rec %	S_0 / S_1	Geol	Max Gsize	Fractures	Colour	Alteration (C H Si Cy Li)	Minerals (Q)	Comments	Samp #
		100%	60°		1	3F 60-65 Ro K L				@ 70.3 m strong limonitic sandstone with patchy (spots) of hematite.	
	12		60°		1	3F 20-60 Ro L K	mOR			@ 71.50 oxz marcasite ? and at 77.58 m	
					1	3F 20-40 Ro H L				Limonitic and hematitic fractures are very	
							to			abundant throughout the core	
75					1	2F 40-50 Ro L					
			40°		1	4F 40-50 Ro HL	dBR			@ 77.20 m bedding plane changes sharply	PIMA
			40°		1	2F 50-60 Ro HL				only for 30 cm duration, marked by druzzy	
	13	100%	10°		1	3F 30-60 Ro L H				quartz veining - following foliation	
			80°		4	o					
78.2					1	2F 30-40 Ro Dozl	dBR			Medium to coarse grained sandstone with strong	
					20	1F 20-30 Ro L				hematite altn with abundant quartz grains.	
80		100%	60°				to			Frequent limonitic fractures - bedding plane is 60°	PIMA
					16	3F 50-90 Ro HL	mOB			TCA. @ 79.5 druzzy quartz cavity as fracture	
82.0	14				2	Highly broken C					
					16	Highly broken C	dYGr			Chloritic medium to coarse grained sandstone	
		100%	60°		40	o	to			with chlorite defining the bedding plane. with	
							lBGr			minor hematite within the matrix (spotty to patchy)	
85			60		40	O					PIMA

AFMECO MINING AND EXPLORATION DIAMOND DRILLHOLE LOG

Hole #: KUV ϕ1 **Page#:** 7

Depth (m)	Box #	Core rec %	S_0 / S_1	Geol	Max Gsize	Fractures	Colour	Alteration C H Si Cy Se L	Minerals Q	Comments	Samp #
90	15	100%	50°		4	0				@ 88.5m strongly chloritized sandstone zone, with the same intensity as 91.5 m.	PIMA
					14	0					
					4	0					
					8	0					
			50°		8	0					
			70°		8	0					
			60°		8	0					
					8	0					
					8	0					
95					8	0		CC↓		UNCONFORMITY 95.3 m	PIMA
		100			30	2F 30-70 Sm Se, L	dRB to YGy			Moderately to strongly altered hematite-sericite-limonite(clay) rock (original granite), with relic orthoclase fsp. Abundant fracturing. Little or no quartz remains. Sericite and limonate dominate in the fractures.	
					30	1F 70 Ro L					
					30	12 F 45-70 Sm Se, L					
					30	>10 F 40-80 Ro Se, L					
100					30	>10 F 45-80 Ro Se, L					

AFMECO MINING AND EXPLORATION DIAMOND DRILLHOLE LOG **Hole #:** KBW01 **Page#:** 8

Depth (m)	Core box #	Recov (%)	S_0 / S_1	Geol	Max Gsize	Fractures	Colour	Alteration (C Li I K Cy Se H)	Minerals (Q Ca Tm)	U Assay	Samp #	Comments
		100			30	BF 60-65 Ro Se,L						-see above-
					30	5F 50-85 Ro Se,H						Increasingly incoherent.
102.6					30	3F 45-50 Ro Se,L						
		100			30	>10F 55-75 Ro Se,L,H	GyO					Soft incoherent sericite-limonite-
105	18				30	Decomposed	to					clay rock with occasional
					30	>10F 55-70 Ro Se,L,H	p'YO to					hematitic patches. Little or no quartz remains. In places
					30	>10F 45-80 Ro Se,L,H	GrGy					completely decomposed.
107.4												
		100			30	8F Ro 55-80 Se,L,Cy,H						Strongly altered sericite-
					30	>10F 55-65 Ro Se,L,Cy	GrBk					hematite-chlorite?-clay rock with psendomorphs of c/se
110					30	Decomposed	to					after feldspar and illitic alteration of biotite. Quartz
	19				30	>10F 60-85 Ro Se,Cy,H	dGrGy					present. In places complekly decomposed.
111.2												
		100			30	>10F 40-85 Ro Cy,Se						Moderately to strongly
					30	4F 65-85 Ro Cy	GyYGr to					altered aplite with abundant sericite. Muscovite and some
					30	9F 35-70 Ro Cy;H	Olive Gy					quartz remain. Occasional tourmaline. Weak to moderately
												strong clay alteration on fractures
115					30	4F 35-70 Ro Se,H						-see below-

AFMECO MINING AND EXPLORATION DIAMOND DRILLHOLE LOG

Hole #: KBW01 **Page#:** 9

Depth (m)	Core box #	Recov (%)	S_0 / S_1	Geol	Max Gsize	Fractures	Colour	Alteration (C Li I K Cy Se H)	Minerals (Q Ca Tm)	U Assay	Samp #	Comments
		100		30		8F 45-65 Ro Se	GyR					Moderately to strongly altered sericite-clay-chlorite rock.
	20			30		3F 50-85 Ro Cy	to dnsky					Quartz present. Hematitic
117.9				30		3F 80-85 Ro Cy, S (H)	YGr					alteration
		100		30		4F 50-85 Ro Cy, Se	Gy					Porphyritic moderately to strongly altered chlorite-
120				30		OF	to olive		?			sericite-clay rock with pinking of orthoclase fsp and occasional
				30		3F 40-80 Ro Cy	Gr					thin quartz veins. Moderate am. of quartz present. Decreasing
121.5				20		5F 50-75						hemamtic alteration. Bt present.
		100				Ro Cy						
				30		3F 55-65 Ro Cy	qGrGy to					Fresh porphyritic granite
						1F 80	GrGy					aplitic sequence
				40		Ro -						with K-fsp + Bt + Qtz ± Plgfsp ± M
125				40		3F 60-85 Ro Cy	GrGy					primary assemblage. Very weak sericitic/clay alteration.
125.6				30		1F 85						
		100				Ro (Cy)						
				30		2F 30-45 Ro -						Strong albitic alteration of the porphyritic orthoclase fsp and
127.4						OF						increasing sericitic alteration
				45								aplitic sequence
						5F 40-85						in the matrix. Qtz present.
				30		Ro (Se)						strongly altered sericite-
130				25		1F 50 Ro Se (Cy)						chlorite-clay rock with little or no remaining quartz.

AFMECO MINING AND EXPLORATION DIAMOND DRILLHOLE LOG

Hole #: KBW01 **Page#:** 10

Depth (m)	Core box #	Recov (%)	S_0/S_1	Geol	Max Gsize	Fractures	Colour	Alteration (C Li I K Cy Se H)	Minerals (Q Ca Tm)	U Assay	Samp #	Comments
	22	100			30	8F 75-85 Ro Se,C,Cy	dRB to					Strongly altered porphyritic granite with chlorite and sericite/
132.2					30	2F 45-60 Ro Cy,H	dGrGy					clay. Frequent patches of hematite & strong pinking of the orthoclase fsp. Little or no quartz remains.
		100			25	6F 65-70 Ro Se,Cy(H)	dGrGy					Pervasively altered granite with
					20	9F 60-85 Ro Se,Cy	to					abundant sericite and clay and minor chlorite and hematite.
135	23				20	5F 60-80 Ro Se,Cy	GrGy					Pegmatitic band @ 134.3m. No quartz remains.
												aplitic sequence
		100			25	5F 55-80 Ro Se,C,Cy	dGrGy					Section of moderately/strongly
137.2					25	2F 50-55 Ro Cy(H)	to BGy					altered porphyritic granite with chlorite and sericite + pinking of
138.0					3 25	3F 50-80 Ro Se,Cy(H)						aplitic sequence orthoclase fsp. Hematitic patches. Little qtz
		100			15	7F 40-85 Ro Se,Cy	dGrGy to					Pervasively altered granite with sericite and chlorite.
140					3 15	~~>20 F 20-80 Ro Se,Cy (disintegrated)~~						aplitic sequence
140.8					15	15F 30-75 ~~Ro Se,Cy(C)~~	GrGy					Occasional hematitic patching. No quartz remains.
	24	100			SS @141.1m	5F 55-80 Ro Se,C(Cy)						sequence of moderately altered porphyritic granite with abundant hematite and pinking of orthoclase fsp.
					15	~~15F 45-80 SS~~ Ro Cy(H) Se						Strongly to pervasively altered
					15	10F 35-60 Ro Se,Cy						granite with abundant sericite, chlorite and clay. Myrmekitic
145					20	6F 45-60 Ro Se,C,Cy						appearance from 142m →

AFMECO MINING AND EXPLORATION DIAMOND DRILLHOLE LOG

Hole #: KBW01 **Page#:** 11

Depth (m)	Core box #	Recov (%)	S_0 / S_1	Geol	Max Gsize	Fractures	Colour	Alteration (C Li I K Cy Se H)	Minerals (Q Ca Tm Py)	U Assay	Samp #	Comments
					20	6F 50-85 Ro Se, Cy						
146.9					25	3F 55-70 Ro Se, C						
	25				20	1F 40 Ro Cy, Se	dGrGy					Strongly to pervasively altered
					30	10F 50-65 Ro Se, C ss?	to					incohesive granite with sericite, chlorite, clay and
150		75			25	7F 45-75 Ro C, Cy	GrGy					hematite. Bt present but little quartz remains.
					30	>10F 30-80 Ro Se, Cy						Occasional slickensides on fracture planes.
					35	>10F 30-80 Ro Se, Cy						
152.2						disintegrated						
		100			7	1F 30 Ro/ss C, Se, Ca						Dark fine grained mafic rock
	26				7	4F 50-60 (85) Ro/ss C, Se, Ca	Gy Olive					with moderate to strong chloritic/clay alteration
155					3	5F 30-55 Ro/ss C, Ca, Py	Gr to					and frequent shear zones
					7	8F 30-60 Ro/ss C, Ca	dGr Gy					and quartzitic/calcitic veins. Frequent slickensides on the
		100			7	6F 50-70 Ro/ss C, Ca, Se						fracture planes.
					7	7F 30-80 Ro/ss C (Se)						Major shearzone @ 157.1 m
					7	12F 35-65 Ro/ss Se, Ca, C, Py						Granitic sequence @ 153.9-154.9m
160					7	13F 40-75 Ro/ss C, Ca (Se)						

AFMECO MINING AND EXPLORATION DIAMOND DRILLHOLE LOG

Hole #: KBW01 **Page#:** 12

Depth (m)	Core box #	Recov (%)	S_0 / S_1	Geol	Max Gsize	Fractures	Colour	Alteration C Li I K Cy Se H	Minerals Q Ca Tm Py	U Assay	Samp #	Comments
	27	100			7	3F 40-45 Ro C,Se,Ca			VEIN			
161.5					7	4F 35-55 Ro/ss	Se,Ca					
					15	Disintegrated						
					15	>20F 50-80 Ro/ss Se,Ca(C)	dusky YGr					Moderately to strongly altered granite with sericite and clay.
					30	7F 25-80 Ro/ss Se,C,Ca	to					Disintegrated @161.5 → 163m
165					45	1F 30 Ro Se;Py	Gy Olive Gr					Strong pinking of the orthoclase feldspar. Moderately to little
					45	3F 20-65 Ro Se,Ca (C)	to					quartz remains. Pegmatitic band
	28				35	OF	Gy YGr					and narrow calcitic vein @165.1m Porphyres smaller @161.5-163.5m
167.9					35	2F 35-40 Ro Se,Cy,C						
					35	3F 15-60 Ro/ss C,Se,Ca	Gy					Porphyritic weakly to moderately altered granite
170					35	1F 70 Ro Se	Olive Gr					with primary assemblage
					55	OF						(Kfsp + Plg fsp + Bt + Qtz) Still present.
					55	1F 55 Ro Se	to					Metamorphic foliation moderately
	29				35	2F 35-65 Ro Se,Ca,C	Gy YGr					to well developed. Alteration mainly in the matrix,
					35	1F 50 Ro Se,Cy (C)						fsp relatively unaffected.
175					35	2F 40-55 Ro Se,Ca (C)						

AFMECO MINING AND EXPLORATION DIAMOND DRILLHOLE LOG

Hole #: KBW01 **Page#:** 13

Depth (m)	Core box #	Recov (%)	S_0 / S_1	Geol	Max Gsize	Fractures	Colour	Alteration (C Li I K Cy Se H)	Minerals (Q Ca Tm Py)	U Assay	Samp #	Comments
	29	100			40	3F 20-75 Ro Se, Ca, C						- see above -
					45	4F 70-85 Ro Se, C, Cy, Ca	Gy Drive					
					60	2F 70-85 Ro C, Cy, Se	Gr					
					40	1F 55 Ro (Cy) Se?	to					@178.5m → 179.1m sequence of porphyritic granite with strong (?albitic) alteration in the matrix
180	30				35	1F 50 Ro Se	Gy to Gr					
180.2				+++++++	3	5F 25-45						strongly albitised aplitic sequence
					35	Ro C, Ca, Se						
181.6					30	3F 45-70 Ro (Se)						aplitic sequence
					30	2F 25-35 Ro C, Ca (Se)						Frequent Ca/Se/C/qtz veins
					30	2F 50-60 Ro/ss C, Ca (Se)						from 180m
185					65	2F 40-60 Ro/ss Se, C, Ca						
	31				35	2F 40-65 Ro/ss Se, Ca (C)	Gy					
					30	6F 5-55 Ro Se, C (ss?)	olive Gr					- see below -
					35	3F 65-75 Ro Se (C)	to					
					35	3F 70-75 Ro C, Ca, Se	Gy to Gr					
190					30	2F 45-65 Ro C, Ca (Se)						

AFMECO MINING AND EXPLORATION DIAMOND DRILLHOLE LOG

Hole #: KBW 01 **Page#:** 14

Depth (m)	Core box #	Recov (%)	S_0/S_1	Geol	Max Gsize	Fractures	Colour	Alteration (C Li I K Cy Se H)	Minerals (Q Ca Tm)	U Assay	Samp #	Comments
		100			35	2F 35-65 Ro C,Ca,Se(Cy)						Calcite/chlorite/clay veins
					30	3F 40-55 Ro/ss Cy,C,Ca						
	32				35	6F 30-55 Ro/ss C,Ca,Cy(Se)						Relatively fresh porphyritic
					35	3F 50-60 Ro/ss C,Ca,Cy(Se)						granite with abundant calcitic veins and weak/mod
194.4					35	1F 65						~~aplitic sequence~~
195						Ro -						
					40	4F 20-45 Ro/ss C,Ca,Cy	Gy					predominantly chloritic and
					30	2F 45-50 Ro/ss C,Ca,Cy	Olive Gr					sericitic alteration. Little or
					30	5F 15-35 Ro/ss Ca,Cy,C	to					no pinking of the feldspar, (orthoclase)
	33				35	4F 10-65 Ro Ca,Cy,Se						Bt and qtz preserved. Occasional aplitic and
200					35	8F 15-25 (80) Ro Ca,Cy,Se	GrGy					pegmatitic bands and
					35	5F 25-60 Ro/ss Ca,C,Se,Cy						abundant slickensides on fracture planes.
201.6					35	3F 40-65 Ro Ca,Cy(Se)						
					40	1 F 80 Ro C (Cy?)						
					50	2F 50-75 Ro (Cy)						
205	34				40	10F 50-60 Ro Ca,Cy(C)						

AFMECO MINING AND EXPLORATION DIAMOND DRILLHOLE LOG

Hole #: KBW01 **Page#:** 15

Depth (m)	Core box #	Recov (%)	S_0 / S_1	Geol	Max Gsize	Fractures	Colour	Alteration C Li I K Cy Si H	Minerals Q Ca Tm Py	U Assay	Samp #	Comments
	34	100			40	2F 75-85 Ro (Cy)	dYO to					Relatively fresh compact
					40	1F 75 Ro (Cy)	mRB					porphyritic granite with albitic coronas around the orthoclase
					40	2F 55-80 Ro (Cy)	to					phenocrysts. Bt and Qtz preserved.
					40	3F 15-20 Ro Ca, Cy (Se)	mOP					Strong ?albitic spotting around qtz/c/ca veins.
210					40	3F 25-30 Ro Ca (Cy) Se						@ 210.7 → 211.2m sericitic/chloritic
	35				40	2F 40-60 Ro/ss C (Cy) Ca	dGrGy to mGrY					alteration only (no visible albitic alteration)
					40	4F 35-65 Ro Ca (Cy)						
212.4						4F 45-85						
					45	Ro Ca, Py, C						
					45	5F 20-30 Ro Ca, Se (Py)	Gy					Relatively fresh to moderately/ strongly altered porphyritic
215					40	Disintegrated >20F 20-65 Ro C, Ca, Cy, Se, Py	olive Gy					granite with sericitic/chloritic/
					25	>20F 20-70 Ro/ss C, Cy, Ca	to					clay alteration and abundant calcite in fractures (C+Ca
	36				25	6F 40-65 Ro C, Ca, Cy, Se, Py	YGrGy					dominant fracture assemblage)
					20	3F 50-55 Ro/ss Cy, C, Ca, Se, Py						Increasing incoherency with progressing sericitisation of
					20	7F 15-55 (85) Ro/ss C, Ca, Cy						the matrix. Metamorphic
220					20	4F 50-85 Ro Cy, Ca, Se						foliation moderately to well developed. Occasional Qtz veins.

AFMECO MINING AND EXPLORATION DIAMOND DRILLHOLE LOG

Hole #: KBW01 **Page#:** 16

Depth (m)	Core box #	Recov (%)	S_0 / S_1	Geol	Max Gsize	Fractures	Colour	Alteration (C Li I K Cy Se H)	Minerals (Q Ca Tm Py)	U Assay	Samp #	Comments
	36				15	7F 20-85 Ro/ss C,Cy,Ca	pale					- See above -
					15	7F 30-50 Ro/ss C,Ca(Cy)	Olive Gr					
	37				20	7F 35-80 Ro/ss C,Ca(Cy)	to dGrGy					
					25	9F 35-55 Ro/ss C,Ca(Cy)						@ 223-224m : albitic alteration halos around chloritic/sericitic veins
225					30	8F 20-55 Ro Ca,C,Se,Cy						
					35	2F 60-70 Ro C	YG-					Relatively fresh porphyritic
					30	3F 55-80 Ro C,Cy,Ca	to					granite with weak to moderate sericitic and weak chloritic
227.7					30	7F 50-80 Ro C,Ca	GyY					alteration. aplitic segment
					30	2F 40-45 Ro Cy,Se,Ca,Py						Metamorphic foliation
230	38				30	4F 15-25 Ro/ss C,Ca,Se						moderately well developed. Mod
					30	6F 20-80 Ro/ss Ca,C,Se						abundant calcite in fractures.
					30	5F 50-55 (80) Ro Ca,Se,Cy						occasional pyrite in fractures.
					30	6F 45-80 Ro Se,Cy,Ca						
					30	3F 30-80 Ro Se,Ca,C						
235					30	2F 50+60 Ro C,Ca,Cy						

AFMECO MINING AND EXPLORATION DIAMOND DRILLHOLE LOG — **Hole #:** KBW01 **Page#:** 17

Depth (m)	Core box #	Recov (%)	S_0 / S_1	Geol	Max Gsize	Fractures	Colour	Alteration (C Li I K Cy Se H)	Minerals (Q Ca Tm)	U Assay	Samp #	Comments
	39	100			20	6F 25-60 Ro C,Ca,Cy						-see above-
					20	8F 10-55 Ro/ss C,Ca,Se						Metamorphic foliation
					25	2F 45-55 Ro Se,C,Ca(Cy)	GrBk					relatively well developed.
					30	3F 45-50 Ro Se,C,Ca	to					Increasing chloritisation
240					30	2F 45+50 Ro - (Cy)	pGrY					and calcite in fractures.
					35	4F 30-60 Ro Se,Ca,Cy						
	40				35	8F 15-75 Ro C,Ca,Cy						
					40	3F 20-45 Ro C,Ca,Cy						
					45	8F 50-80 Ro/ss C,Ca,Cy						
245					30	8F 50-80 Ro/ss C,Ca(Cy)						
					25	~~7F 30-50~~ Ro/ss C,Ca						Aplitic sequence
247.2					15	3F 5-65 Ro/ss Ca,C						
	41				2	~~3F 15-65~~ Ro Cy,Ca(Se)	vRGy					Aplitic sequence with weak to
					2	5F 20-60(90) to Ro Ca,Se,Cy	pinkish					moderate sericitic alteration.
249.4					2	9F 35-65(90) Ro	Gy					
250						Ro/ss Se,C,Cy						

AFMECO MINING AND EXPLORATION DIAMOND DRILLHOLE LOG

Hole #: KBW01 Page#: 18

Depth (m)	Core box #	Recov (%)	S_0 / S_1	Geol	Max Gsize	Fractures	Colour	Alteration (C Li I K Cy Se H)	Minerals (Q Ca Tm)	U Assay	Samp #	Comments
						4F 60-80						
	41	100			2							
						Ro Ca,C,Cy						
					30	2F 30-45 Ro C,Se,Cy,Ca	GrBk					Relatively fresh porphyritic granite with moderate sericitic and weak chloritic alteration.
					30	3F 60-80 Ro Se,C,Ca						
					2							
	42				30	4F 35-80 Ro Se, Ca	to					Qtz and Bt preserved.
255					30	1F 15 Ro (Cy) Ca						Occasional veining and aplitic sequences.
255.6					2	2F 30+70						
						Ro C,Cy,Ca						
					25	5F 60-70 Ro/ss C,Cy,Ca	pGrY					Moderately altered porphyritic granite with predominantly sericitic alteration of the plg fsp and chloritic alteration
					25	4F 65-70 Ro/ss C,Se,Ca						in the matrix. Qtz and Bt
258.8					30	3F 15-85 Ro C,Ca						remain. Calcite and chlorite
260					2	9F 30-85 Ro/ss Cy,C,Ca						with minor clay and sericite
	43				30	1F 55 Ro Ca,C,Se						in fractures.
					30	2F 45-75 Ro -						Occasional fresh to moderately altered aplitic sequence
					30	2F 80-85 Ro -						with alletic alteration dominating.
264.2					30	3F 30-45 Ro Se, Ca						
					2	~~>10F 10-80~~						Major shear zone through aplitic
265						Ro/ss C,Ca,Cy						sequence.

AFMECO MINING AND EXPLORATION DIAMOND DRILLHOLE LOG

Hole #: KBW01 **Page#:** 19

Depth (m)	Core box #	Recov (%)	S_0 / S_1	Geol	Max Gsize	Fractures	Colour	Alteration C Li I K Cy Se H	Minerals Q Ca Tm Py	U Assay	Samp #	Comments
		100			35	3F 5-75 Ro/ss Ca, C						- see above -
	44				35	2F 15-60 Ro/ss C, Ca						
					40	1F 70 Ro -						
					40	2F 85+65 Ro -						
269.5					45	0F						
270						2F 45-75 Ro ?C, Py						
					2	7F 10-85 Ro C	Pinkish					Fresh aplite with very weak pinking of fsp and sericitic alteration
					2	4F 10-85 Ro C, Ca	Gy					
					2	10F 10-70 Ro, C, Ca						
					30	3F 10-90 Ro C, Ca	dGrGy					Fresh to very weakly altered porphyritic granite with sericite. Metamorphic
275					30	1F 35 Ro Ca	to					foliation (relatively) well developed. Compact. Few fractures.
					30	2F 20-70 Ro C, Ca	GrGy					aplitic sequence
					30	2F 80-85 Ro -						
					30	2F 55-80 Ro - (Ca)						
278.8					30	1F 85 Ro - (Ca)						
						1F 40	GrBlk					sequence of mica schist with calcite veins
280					30	Ro Ca						

AFMECO MINING AND EXPLORATION DIAMOND DRILLHOLE LOG

Hole #: KBW01 Page#: 20

Depth (m)	Core box #	Recov (%)	S_0 / S_1	Geol	Max Gsize	Fractures	Colour	Alteration C Li I K Cy Si H	Minerals Q Ca Tm	U Assay	Samp #	Comments
280.5	46	100			+ /	4F 35-85						
				2	+ + + + + + + + + +	RO - (Ca)						sequence of (albitic) aplite
				30	/ + +	3F 35-75 Ro C,Ca	dGrGry					- see above -
				30	+ / / +	1F 20 Ro Ca	to					
	47			30	/ + +	3F 40-85 Ro Ca	GrGry					
284.4					+,	6F 15-55						
285		•		2	+ + + + + + + + + +	Ro C,Ca						sequence of (albitic) aplite
					+ + + + + + + + + +	~~5F 10-60~~						
				30	/ +	Ro C,Ca						
				30	+ / + / +	3F 10-85 Ro Ca,C						
												EOH @ 287.2m
												EASTMAN CAMERA SURVEYS
290												0 m −60° 000°M
												100m −60° 004°M
												152.5m −60° 003°M
												200m −60° 004°M

AFMECO MINING AND EXPLORATION - DIAMOND DRILLHOLE LOG

E.L. No: 3347 | Anomaly: Kunbahwinjgu | Hole Number: KBW ϕ2 | Logged By: P. KASTELLORIZOS/ C. COLEBATCH

Easting: 343040 | Northing: 8621805 | R.L: 180 | Dip: -80° | Azimuth: 170°M

Precollar: | Total Depth: 350·9 | Start Date: 22nd June 1998 | Finish Date: 3rd July 1998

Driller: T. OWEN, D. ALSOP | Rig: Heli - Rig #32 | Hole Size NQ_2 | Gamma log: Auslog

Depth (m)	Box #	Core rec %	S_0/ S_1	Geol	Max Gsize	Fractures	Colour	Alteration (C H Si Cy Bl)	Minerals (Q)	Comments	Samp #
					1	0	Gy Pl			Fine grained siliceous sandstone with strong bleaching in small zones. Stylolites are common at 85° TCA. Kaolinitic fractures are minor.	XRD 06
	1	100%	85°		1	1F 5-10 Ro K	to				
					1	1F 30-35 Ro	mOP				
3·50			85°		1	1F 30-55 Ro					
5					1	3F 10-40 Ro LH				Fine to medium grained sandstone with patchy silicification in bands. These bands define the bedding plane. Minor patchy hematite zones present at 4·0m, 5·2m, 6·2m. Minor fractures consisting of kaolinite, limonite and hematite.	PIMA
					1	1F 80-85 Ro K	1OP				
	2	100%			1	0	to				
					1	1F 10-15 Ro					
			75°		1	0	1YP				
			80°								
10			68		1	1F 25-30 Ro					PIMA

AFMECO MINING AND EXPLORATION DIAMOND DRILLHOLE LOG

Hole #: KBW 02 **Page#:** 2

Depth (m)	Box #	Core rec %	S_0 / S_1	Geol	Max Gsize	Fractures	Colour	Alteration (C H Si Cy Bl)	Minerals (Q)	Comments	Samp #
		100%	80°		1	0				Between 11.0 to 13.9 m bedding plane varies from 80° to 82° TCA. Silified bands vary in size from centimetric to decimetric zones.	
					1	0					
					1	0					
13.9			82°		1	0					
15	3		85°		1	1F 10-15 R_o	mRP to mYR			Fine to medium siliceous, well sorted, very-weakly bleached sandstone with hematite disseminated throughout. Stylolites are common at 80° TCA. Minor fractures consisting of Kaolinite / limonite. @ 19.35 m healed drizzy quartz fracture at 30° TCA Strong silicified zone are present at 17.2 - 19.8 and 23.2 m.	PIMA
					1	0					
					1	1F 30° Hem Qz					
20					1	0					PIMA
	4		80°		1	3F 55-60 R_o K					
			82°		1	0					
					1	3F 25-50 R_o L K					
23.9			33°		1	5F 20-60 R_o $^{DQz}_{K}$				Strongly silicified well sorted sandstone	PIMA
25			83°		1	5F 30-60 R_o L K					

AFMECO MINING AND EXPLORATION DIAMOND DRILLHOLE LOG

Hole #: KBW ϕ2 **Page#:** 3

Depth (m)	Box #	Core rec %	S_0 / S_1	Geol	Max Gsize	Fractures	Colour	Alteration (C H Si Cy Bl)	Minerals (Q)	Comments	Samp #
		100%	10°		1	DQz 2F 10-25 Hc H	mBGy to PlGy			Hydraulic breccias present at 23·9 to 25·2 with TCA varying from 10° to 33° with angulous silicified clasts of sandstone @ 25·2 - 26·9m proto hydraulic breccia with 10° TCA.	
					1	2F 10-15 HcoQz					
	5				1	0				Strongly silicified fine to medium grained sandstone with frequent drazy quartz healed veinlets. running 35TCA whilst others at 10-15° TCA. @29·0 to 32·9 m moderate hematite present. Hydromorphic colours observed.	
					1	0	mRB				
30		100%			1	2F 35-50 Hc DQz	to				PIMA
					1	0	dR				
					1	0					
32·9			85°		1	1F 30-33 Hc DQz					
					1	0				Strongly silicified fine to medium grained sandstone with abundant stylolites common at 85° TCA. Hydromorphic colours present Silicification occurs from 35·5 m to 38·5 m Sandstone are extremely well sorted with no fracturing	
			85°		1	0	dRB				
35	6	100%			1	0	to				PIMA
			85°		1	0	mRB				
			85°		1	0					
38·5			70°		1	1F 15-20 R				Moderately bleached fine to medium grained	
40			80°		1	0					PIMA

AFMECO MINING AND EXPLORATION DIAMOND DRILLHOLE LOG

Hole #: KBW 02 **Page#:** 4

Depth (m)	Box #	Core rec %	S_0 / S_1	Geol	Max Gsize	Fractures	Colour	Alteration (C H Si Cy Bl)	Minerals (Q Py)	Comments	Samp #
40.8					1	0				Sandstone with stylolites at 80° TCA.	
	7	100%	80°		1	1F 70-80 Ro K	dRB			Strongly silicified fine to medium grained sandstone with moderately hematitized matrix. Abundant hematitic minor kaolinitic fractures. @ 44.45 m pyrite present within 2 fracture planes.	
					1	2F 70-80 Ro H	to				
					1	2F 70-75 Ro HK					
45					1	Py! 5F 10-40 Ro HK	mPO		1		PIMA
45.5	8				1	Highly broken H				Stronaly bleached fine to medium well sorted sandstone with hydromorphic colours.	
					1	6F 20-50 Ro H				@ 46.5m highly broken zone in the form of a proto breccia - highly hematitized.	
					1	5F 20-70 Ro H					
					1	6F 30-60 Ro H	mRB				
		100%			1	1F 50-55 Ro H	to			@ 49.26 m - proto breccia running for 02 cms zone	PIMA + xRO
50			85°		1	0	lPOR				
					1	1F 60-70 Ro K				@ 52.2 and 52.3 marcasite is present within healed fractures and within the sandstone matrix	
	9		80°		1	2F 80-90 Ro KH					
					1	2F 60-63 Ro KH				@ 54.42 marcasite disseminated with the bedding plane. Pyrite observed at 54.5 and 55.05 m.	
55					1	3F 60-70 Ro Py					PIMA

AFMECO MINING AND EXPLORATION DIAMOND DRILLHOLE LOG **Hole #: KBW 02** **Page#: 5**

Depth (m)	Box #	Core rec %	S_0 / S_1	Geol	Max Gsize	Fractures	Colour	Alteration C H Si Cy Bl	Minerals Q Py	Comments	Samp #
			80°		1	0				Strongly silicified medium to fine grained sandstone with moderately hematitic alteration. Stylolites are common varying from 70°-87° TCA @58.4m marcasite grains within the hematitic sandstone. This zone runs for 7cms in length @65.68 m proto-breccia present with hematite running along healed fractures. Small bleached zones within the sandstone are disseminated throughout. @61.97 m small cavities of druzzy quartz are present up to 62.26 m.	
			85°		1	1F 40-45 Ro					
	10		70°		1	3F 80-85 Ro Py K					
					1	1F 2-5 Ro	mBR				
60			75°		1	2F 60-80 Ro K Py?					PIMA
					1	0					
			85°		1	1F 70-73 Ro K	to				
		100%	75°		1	1F 70-75 Ro K					
			87°		1	0					
65	11		86°		1	2F 10-15 Ro H	mOP				PIMA
					1	0					
			85°		1	0					
					1	1F 60-90 Ro HK					
					1	1F 70-75 Ro H					
70			78°		1	0					PIMA

AFMECO MINING AND EXPLORATION DIAMOND DRILLHOLE LOG **Hole #: KBW Ø2** **Page#: 6**

Depth (m)	Box #	Core rec %	S_0 / S_1	Geol	Max Gsize	Fractures	Colour	Alteration (C H Si Cy Bl)	Minerals (Q)	Comments	Samp #
			80°		1	1F 40-45 Ro K				Strongly silicified well sorted weakly bleached fine to medium grained sandstone with stylolites defining the bedding plane between 72° and 85° TCA.	
			72°		1	0				Hydromorphic colour follow healed fractures and the bedding planes within the sandstone.	
	12				1	1F 28-30 Ro				Weakly bleached zone at 78.8 to 80.90 m	
					1	0				Hematitic fractures are the most common	
75			78°		1	0	mRB			alteration within the fractures.	PIMA
					1	0				@ 75.15 m healed quartz veinlets infilling fractures.	
			80°		1	0	to			@ 78.25m open fracture containing Limonite and	
	13	100%			1	0				hematite running 10°-15° TCA.	
			85°		1	1F 15-20 Ro L H					
					1	1F 15-20 Ro K L H	mOP				
80			80°		1	1F 65-70 Ro L H					PIMA
					1	0					
			80°		1	0					
					1	0					
	14				1	1F 10-20 Ro H					
85			80°		1	1F 80-82 Ro K					PIMA

AFMECO MINING AND EXPLORATION DIAMOND DRILLHOLE LOG **Hole #: KWB 02** **Page#: 7**

Depth (m)	Box #	Core rec %	S_0 / S_1	Geol	Max Gsize	Fractures	Colour	Alteration (C H Si Cy Bl)	Minerals (Q)	Comments	Samp #
90	15	100%	70°		1	3F 30-40 Ro L H	mBR to 10PR			Moderate bleached fine to medium grained well sorted sandstone with abundant Limonitic fractures. @ 92.87 m along 20° TCA fracture hosting limonite rement weathered Sulfide in the form of a light green finge veinlet present.	PIMA
					1	0					
					1	2F 45-50 Ro L H					
					1	0					
					1	0					
					1	1F 70-80 Ro					
95	16	100%	75°		1	2F 20-30 Ro L				@ 88.62 m proto breccia present. Defined within moderately bleached, moderately silicified sandstone with abundant heamtitic healed veinlets.	PIMA
					1						
					1	1F 25-30 Ro					
					1	2F 20-80 Ro K H					
					1	0					
					1	0					
					1	0					
					1	0					
100		100%			1	0				Hydromorphic colours disseminated throughout the core. No abundant / frequent fracturation.	XRD + PIMA

AFMECO MINING AND EXPLORATION DIAMOND DRILLHOLE LOG **Hole #: KBW ϕ2** **Page#: 8**

Depth (m)	Box #	Core rec %	S_0 / S_1	Geol	Max Gsize	Fractures	Colour	Alteration C H Si Cy	Minerals Q	Comments	Samp #
	17		85°		1	0	mRB			Moderately silicified, weakly hematitic fine to medium grained sandstone with abundant limonitic fractures. @ 103.31 and 114.52 liesengang rings defined by hematitic bands. Hydromorphic colours disseminated throughout core.	
					1	0					
					1	0					
					1	0					
105					1	0					RMA
					1	1F 45-50 Ro	to				
					1	1F 30-35 Ro Q					
	18	100%			1	4F 5-40 Ro Q	mPO			@ 108.30 m hydraulic breccia - 15° TCA Fractures (silica coating and infilling, numerous cavities). True thickness of breccia is 2-5 cms - poor alteration of clasts (moderately silicified). Blue stressed quartz grains. Immature breccia due to no a high ratio between the clasts and infilling.	
					1	1F 40-45 Ro					
110					1	2F 70-75 Ro L	to				PMA
			85°		1	1F 20-25 Ro L					
					1	2F 20-25 Ro L	1PDR				
					1	1F 20-25 Ro L					
	19				1	3F 30-35 Ro L					
115					1	1F 25-30 Ro L					PMA

AFMECO MINING AND EXPLORATION DIAMOND DRILLHOLE LOG

Hole #: KBW 02 **Page#:** 9

Depth (m)	Box #	Core rec %	S_0 / S_1	Geol	Max Gsize	Fractures	Colour	Alteration (C H Si Cy Bl Li)	Minerals (Q)	Comments	Samp #
			80°		1	1F 60-65 Ro L				Moderately silicified, moderately hematitic well sorted fine to medium grained sandstone. Stylolites are common at 87° TCA. @ 120.0 to 121.8 weakly bleached sandstone with minor patchy hematite disseminated within certain zone.	
					1	0					
			87°		1	0	mRB				
					1	0	to				
		100%			1	0					
120					1	0	10PR				RMA
			80°		1	0					
	20				1	0					
					1	0					
			85°		1	0					
					1	0					
124.20					1	0				No fractures present - no true fractures.	
125					1	0					
					1	0	GyWh				
		100%			1	0	to				
	21		85°		1	0				Moderately bleached moderately silicified fine to medium grained sandstone with very minor limonitic alteration. Bedding planes are common at 85° TCA with no fractures.	
					1	0	GyR				
129.50			85°		1	0					
130											RMA

AFMECO MINING AND EXPLORATION DIAMOND DRILLHOLE LOG

Hole #: KBW 02 **Page#:** 10

Depth (m)	Box #	Core rec %	S_0 / S_1	Geol	Max Gsize	Fractures	Colour	Alteration (C H Si Cy Bl Li)	Minerals (Q)	Comments	Samp #
	22	100%	75° 70°			0	gy RB to IPO			Moderately silicified weakly to moderately hematitic fine to medium grained sandstone with a zone of bleaching at 130.5 to 131.0 m. Stylolites at 70° TCA	
133.0						0					
		100%	75°			0	YP to YBn			Moderately limonitic fine to medium grained sandstone with weakly silicification throughout	
134.9						0					
135						0	mRB to IORP			Silicified weakly hematitic well sorted fine to medium grained sandstone with stylolites common at 75° TCA.	PIMA
	23	100%	80° 75°			0				No fractures present that are true.	PIMA
140						0					
140.9			75°			0					
		100%				0	IPR to mRP			Moderately bleached weakly silicified fine to medium grained sandstone with minor hematite.	
142.5						0					
	24	100%				0				Weakly silicified hematitic fine to medium grained sandstone with minor limonite disseminated.	PIMA
145						0					

AFMECO MINING AND EXPLORATION DIAMOND DRILLHOLE LOG **Hole #: KBW ϕ2** **Page#: 11**

Depth (m)	Box #	Core rec %	S_0 / S_1	Geol	Max Gsize	Fractures	Colour	Alteration C H Si Cy Bl Li	Minerals Q	Comments	Samp #
						0				liesengang rings present 149.20 m.	
			75°			0	mRP			Bleaching common 171.20 m mixed with	
		100%				0	to			limonitic alteration.	
						0	10PR				
150						0					PINA + XRD
151.0						7F 5-40 Ro Q					
	25	95%	80°			0	YPR			Moderately silicified weakly heamthic highly well sorted fine to medium grained sandstone. Silicified clasts of sandstone appear to be cemented. Abundant cavities of silica present throughout Weakly limonitic alteration disseminated.	
						0	to				
						4F 20-30 Ro Q					
155						2F 20-25 Ro Q	WhR				PINA
						2F 5-10 Ro Q					
156.5						0					
	26	100%				K 1F 5-10 Ro Q				Strongly silicified heamthic fine to medium grained sandstone with minor limonite at 160.3 m. Stylolites at 88° TCA.	
			88			0					PIMA
160						0					

AFMECO MINING AND EXPLORATION DIAMOND DRILLHOLE LOG **Hole #:** **Page#: 12**

Depth (m)	Box #	Core rec %	S_0 / S_1	Geol	Max Gsize	Fractures	Colour	Alteration (C H Si Cy Bl Li)	Minerals (Q)	Comments	Samp #
160.9						0					
						0	mGr			@ 163·20, 163·50, 163·74, 166·47, 166·60,	
			85°			0				166·71 m weakly chloritic sandstone. - disseminated	
	27		85°			0	to			within the matrix.	
165						IF 62-65 Ro H	10P				PIMA
			75°			0				@ 166·0 m strongly bleached moderately silicified	
		100%				IF 70-75 Ro	to			sandstone.	
						0	Gy Wh				
						0				Frequent stylolites at 75° to 85° TCA.	
170			76			0				@ 169·33 m small crystalline silica veins running	PIMA
	28					0				20 - 30° TCA. These are common throughout	
					8	0				164·30 - 173·2.	
172·95					8	0				Coarse grained poorly sorted sandstone	
					16	0				with heamtitic disseminated within the matrix	
175					26	0					PIMA

AFMECO MINING AND EXPLORATION DIAMOND DRILLHOLE LOG **Hole #: KBW 02** **Page#:13**

Depth (m)	Box #	Core rec %	S_0 / S_1	Geol	Max Gsize	Fractures	Colour	Alteration C H Si Cy Bl Li I	Minerals Q	Comments	Samp #
	29	100%			10	0				@ 177.42 moderately illitized sandstone section. Abundant gravelly sections with conglomeratic bands throughout with some pebbles reaching 16 mm in diameter	
					10	0					
					10	0					
					10	0					
180					10	0				Limonitic sandstone 181.62 m made up of medium to coarse grains.	PIMA
					16	0					
182.5	30	100%	80°		4	0				Silicified medium to coarse grained gravelly sandstone with abundant pebble bands up 40 mm in diameter.	
					4	0					
					8	0					
185					8	0					PIMA
					10	0				No core loss.	
					40	1FSB-Bo Ro Q				@ 187.20 m limonitic sandstone - small zone running for 20 cms.	
					10	0					
188.9	31				20	0					
190					30	0					PIMA

AFMECO MINING AND EXPLORATION DIAMOND DRILLHOLE LOG

Hole #: KBW ϕ2 **Page#:** 14

Depth (m)	Box #	Core rec %	S_0 / S_1	Geol	Max Gsize	Fractures	Colour	Alteration (C H Si Cy Bl Li)	Minerals (Q)	Comments	Samp #
					16	0				Coarse hematitic - limonitic poorly sorted	
					10	0	RO			sandstone with gravelly section up to 20 mm	
		100%	80°		20	0				in diameter.	
					10	0	to			Conglomeratic bands of quartz are disseminated	
195	32				6	0				throughout core.	PIMA
195.2					2	0	IPOR				
196.5		100%	75°				GyGr			Moderately chloritic fine to medium grained sandstone	
					16	0				Strongly silicified strongly bleached coarse grained	
					18	0	IGy			poorly sorted sandstone with abundant large	
		100%	80°		10	IF 80-85 Sm C	to			milkly quartz clasts.	
200					14	0				@ 198.6m chloritic fracture at 80° TCA.	XRD+PIMA
201.2					10	0	mWh				
	33				10	0				Hematitic - limonitic coarse grained poorly sorted	
		100%	77°		10	0				sandstone with gravelly and conglomeratic sections	
					10	0				with quartz clasts up to 20 mm in diameter.	
204.8					10	0					
205					4	IF 80-83 Sm C					PIMA

AFMECO MINING AND EXPLORATION DIAMOND DRILLHOLE LOG

Hole #: KWB ϕ2 **Page#:** 15

Depth (m)	Box #	Core rec %	S_0 / S_1	Geol	Max Gsize	Fractures	Colour	Alteration (C H Si Cy Bl Li I)	Minerals (Q Py)	Comments	Samp #
210	34	100%	60°		14	1F 35-40 Ro K Py	dGr Gy to mOR to 1Gr			Coarse grained poorly sorted sandstone with weak bleaching. Weakly chloritic alteration/illization throughout the core with patchy limonitization at 209.66m running for a 20 cms zone. @ 207.8 and 208.6 m pyrite is hosted with fracture planes. @ 110.5 - 211.3 m highly broken zone. @ 211.45 chloritized shear zone with an orientation of 60° TCA with clasts strongly altn. into chlorite	PIMA
					20	0					
					22	1F 30-35 Ro Py					
					6	0					
					2	0					
					10	Highly broken					
					10	0					
					6	0					
213.5											
215	35	100%	85° 70° 80°		8	1F 75-80 Ro K	GrY to 1Y			Weakly illization with bands of silicified quartz mixed together in a coarse-medium sandstone. The illite appear as very small cavities on the cores surface as a pale yellow colour. Stylolite are 70° - 85° TCA. Bleaching (weak) disseminated throughout the core	PIMA
					6	0					
					18	0					
					20	0					
					8	0					
					6	0					
220					48	0					PIMA

AFMECO MINING AND EXPLORATION DIAMOND DRILLHOLE LOG

Hole #: KWB ϕ2 **Page#:** 16

Depth (m)	Box #	Core rec %	S_0 / S_1	Geol	Max Gsize	Fractures	Colour	Alteration (C H Si Cy M I Li)	Minerals (Q)	Comments	Samp #
	36		80°		8	0				Weak illitized fine to medium grained moderately to well sorted sandstone with with very fine banded quartz zones. Small conglomeratic bands following the bedding planes are common throughout the core.	
					1	0					
			80°		2	0	Gy Y				
					1	0					
225							to				
		100%			1	0					AMA
			80°		1	0	1 Y				
	37				1	0				Stylolites are common at 80° TCA.	
					1	0					
					2	0					
			80°		10	0					
230											AMA
			80°		2	0					
					2	0					
232.28			70°								
	38				8	0	10P			Hematitic - limonitic medium to coarse grained sandstone with minor chloritic bands following the bedding plane.	
					8	0					
							to				
235					2	0					PMA

AFMECO MINING AND EXPLORATION DIAMOND DRILLHOLE LOG

Hole #: KDW ϕ2 **Page#:** 17

Depth (m)	Box #	Core rec %	S_0 / S_1	Geol	Max Gsize	Fractures	Colour	Alteration (C H Si Cy Li Bl I)	Minerals (Q)	Comments	Samp #
237.0		100%	73°		1	2F 60-80 R_o H	Gy O P			@ 236.56 moderately chloritized fine grained sandstone with stylolites 73° TCA	
					1	4F 60-80 R_o C H					
		100%			1	2F 70-80 R_o C	dGr Gy to lGr Gy			Chloritic-hematitic fine to medium grained sandstone with weakly bleaching throughout the core	
239.74	39				1	0					
240					1	1F 35-38 R_o				Hematitic fine to coarse grained sandstone. with conglomeratic to pebble sections throughout. @ 140.9 - 141.9 illitizated sandstone with chloriticed sandstone around a fracture. Healed quartz veins present throughout the core. Conglomeratic sections/bands define the bedding planes in the sandstone.	PIMA
					1	1F 35-38 R_o I					
					6	1F 30-38 R_o H	m RB to LBO to LY				
					2	1F 70-80 R_o					
					30	0					
245		100%	70°		8	0					PIMA
	40				4	2F 70-78 R_o H					
					6	0					
					8	0					
248.9					1	4F 70-85 Sm C				UNCONFORMITY 248.90 m	
250					1	0					

AFMECO MINING AND EXPLORATION DIAMOND DRILLHOLE LOG

Hole #: KBW 02 **Page#:** 18

Depth (m)	Box #	Core rec %	S_0 / S_1	Geol	Max Gsize	Fractures	Colour	Alteration C H Si Cy	Minerals Q Ca Py Chl	Comments	Samp #
253.75	41	100%				0	mRB to GyGr to YGr			Porphyroblastic chlorite - hematite altered granite, representing the paleoweathered profile. @248.90 - 251.40 - red zone. @251.40 - 252.75 m green zone	
255	42	100%	25°			13F 15 - 75° Ro Py, H, C, Ca	to GyGr to dBlGr			Chloritic - hematitic fine to medium grained dolerite with abundant feldspar needle-like grains disseminated within the matrix. @254.7 hydraulic breccia hosting quartz - hematite - pyrite. Calcitic veins are abundant throughout the core. @ 255.9 - 256.17 quartz vein (calcite in minor amounts) hosting chalopyrite - hematite. @ 252.74 and 264.71 m chilled margins with a core axis of 55° to 66°.	
260	43					9F 10 - 40° Hc Sm Qz, Ca, H.					
264.80											
265											

AFMECO MINING AND EXPLORATION DIAMOND DRILLHOLE LOG

Hole #: KBW 02 **Page#:** 19

Depth (m)	Box #	Core rec %	S_0 / S_1	Geol	Max Gsize	Fractures	Colour	Alteration C H Si Cy Sc	Minerals Q	Comments	Samp #
										Porphyroblastic chloritic-sericitic altered granite with abundant leucoxenes disseminated within the matrix. Potassic feldspar or orthoclase, feldspars quartz, biotite with minor plagioclase.	
270	44	100%	50°			6F 35-50° sm C	dGr Gy to Gr Gy			@ 268.16 and 270.40 m patchy hematitization within the matrix. The leucoxenes are minor in certain zone. with stration indicating different phase. Tiny disseminated pyrite grains throughout the core.	
275			60°								
275.9	45	100%	60°			10F 10-50° sm C	dGy Gr to Gr Gy			Porphyroblastic chloritic altered granite with minor leucoxenes and pyrite. Orthoclase felspar, - biotite - quartz with very weak sericitization throughout	
278.47		100%	30°				Gr Gy dRB			Sheared granite from looking with potasic feldspar biotite - quartz with elongated linear biotite flakes	
280											

AFMECO MINING AND EXPLORATION DIAMOND DRILLHOLE LOG

Hole #: KBW 02 **Page#:** 20

Depth (m)	Box #	Core rec %	S_0 / S_1	Geol	Max Gsize	Fractures	Colour	Alteration C H Si Cy Se	Minerals Q Py Ca	Comments	Samp #
280.40			30°							at 30° TCA. @ 280.4 m moderately chloritic granite	
										Porphyroblastic granite with orthoclase feldspar - biotite - quartz. No alteration present - fresh looking.	
	46										
						8F 20 - 60°	m Gy			@ 285.73 m open fractures altered by sericite	
						sm, se, Ca,	to			with calcitic veins hosting pyrite within quartz.	
285		100%				Py	m Gy				
										Calcitic veins - healed and open are disseminated	
										throughout the core.	
										Minor leucoxenes with the matrix.	
289.10	47										
290		100%	60°			1F 40 - 50°	Gy Gr			Medium grained altered granite with weak	
						Ro	to			sericitization. Metamorphic foliation defined by	
291.30							d Gy			biotite flakes at 60° TCA	
										Porphyroblastic altered granite with minor to weak	
	48	100%					l Gy Gr			sericitization. Orthoclase - biotite - quartz make up	
							to			the mineral assemblages of the rock	
295							d Gy Bk				

AFMECO MINING AND EXPLORATION DIAMOND DRILLHOLE LOG **Hole #:** KWB ϕ2 **Page#:** 21

Depth (m)	Box #	Core rec %	S_0 / S_1	Geol	Max Gsize	Fractures	Colour	Alteration C H Si Cy Sc	Minerals Q Ca	Comments	Samp #
										@ 294·60 and 296·74 m calcitic veins present.	
										Minor tourmaline grains disseminated throughout.	
										Healed chloritic veins also widespread throughout.	
300	49	100%				7F 25-50 sm, Ro C Ca, H	dGr Gy to m Gy Bk			@ 304·0 m a series of quartz ± calcite veins at 50° TCA with albite alteration surrounding the quartz ± calcite have 10 cps higher than the background. Minor chlorite associated with them.	
305	50									@ 305·8 and 206·5m calcitic- albitic - chlorite healed fractures	
										@ 307·5 calcitic needle-like crystal surrounded by a chloritic matrix.	
310										@ 308·47 m calcitic - chloritic open fracture with sericite	

AFMECO MINING AND EXPLORATION DIAMOND DRILLHOLE LOG

Hole #: KBW02 Page#: 22

Depth (m)	Box #	Core rec %	S_0/S_1	Geol	Max Gsize	Fractures	Colour	Alteration C H Si Cy Se	Minerals Q Py Ca	Comments	Samp #
	51	100			30	2F 15+65 Ro H	GyYGr to			Fresh porphyritic granite with primary assemblage Kfsp + Plg fsp + Qtz + Bt. Weak pinking of the orthoclase fsp. @ 313.4 → 318 m (strong) albitic alteration coronas around the orthoclase phenocrysts and weak sericitisation of plg fsp and in the matrix (Bt). Hematitic/calcitic fractures/ veins mainly associated with the fresh granite, C+Ca ± Cy ± H ± Py ± Se assemblage dominates in the altered sequence. Fracture density increases in the altered sequence.	
					40	3F 30-80 Ro H	GyOlive Gr				
					40	3F 70-80 Ro H					
313.4					70	4F 20-80 Ro C, Ca, H, Py	dnsky Y to				
					40	7F 10-85 Ro C, Ca, Cy, H	mRB to mdGy				
315					40	3F 65-85 Ro C, Ca, H					
	52				35	6F 20-80 Ro C (Ca)					
					40	2F 65-90 Ro Fv					
					45	5F 15-80 Ro H, Ca, Cy	GyYGr to				
					35	OF					
320					35	2F 70+75 Ro H, Ca	GyOlive Gr				
	53				50	5F 30-65 Ro C, Ca, Se					
					40	2F 45+50 Ro C, H, Ca					
					40	OF					
325					35	3F 10-85 Ro C, Ca, Py					

AFMECO MINING AND EXPLORATION DIAMOND DRILLHOLE LOG

Hole #: KBW 02 Page#: 23

Depth (m)	Box #	Core rec %	S_0/ S_1	Geol	Max Gsize	Fractures	Colour	Alteration C H Si Cy Se	Minerals Q Py Ca	Comments	Samp #
	53	100			40	1F 85 Ro Fr				- see above -	
					35	4F 80-85 Ro(H) Fr					
					50	5F 20-75 Ro C,H (Ca)					
	54				40	4F 40-85 Ro Ca,H,Cy					
329.3						3F 30-75					
330					25	Ro Ca,C				Fresh granite (with smaller phenocrysts ($\leq$30 mm) with occasional alteration bands with strong C + Ca $\pm$ Se $\pm$ H veining and chloritisation/sericitisation in the matrix. Generally aplitic appearance apart from the occasional phenocrysts. Occasional pegmatitic bands.	
					30	4F 50-90 Ro C,Se,H,Ca	pGrY to mLGy to mOP				
					30	1F 75 Ro Fr					
					20	4F 25-85 Ro C,Ca,Se,H					
					20	2F 80-85 Ro C,Ca,Cy,H					
335	55				20	3F 25-85 Ro Fr					
					20	4F 40-80 Ro C,Ca,H					
					20	4F 70-85 Ro C,Ca,H					
					20	4F 60-75 Ro C,Ca (H)					
					5	11F 10-60 Ro Ca/C,Se				@ 338.1 $\rightarrow$ 339.1m extensive veining/fracturing, abundant C + Ca in $\leq$ 15mm wide veins. Carbonate spotting and sericitisation/chloritisation in the matrix.	
340					10	5F 5-80 Ro C,Ca					

AFMECO MINING AND EXPLORATION DIAMOND DRILLHOLE LOG

Hole #: KBW02 Page#: 24

Depth (m)	Box #	Core rec.%	S_0/S_1	Geol	Max Gsize	Fractures	Colour	Alteration C H Si Cy Se	Minerals Q Py Ca	Comments	Samp #
	56	10[redacted]		+ + +	75	4F 15-80 Ro ?Cy,?Ca,H	YGy			@ 339.6m → albitic alteration of orthoclase top and (yellow) sericitisation of plg top.	
				+ + +	20	2F 85-90 Ro Fr	to				
				+ + +	15	2F 20+30 Ro/ss C,Ca,H	POlive Gy				
343.6				+ + +	45	3F 40-85 Ro C,Ca,H					
				+	35	4F 10-45 Ro Ca,H	mRO			Porphyritic moderately altered granite with predominantly sericitic alteration. @ 344-344.5m strong hematitic alteration band. Fractures dominated by chlorite and calcite. Decreasing grain size and increasing sericitisation towards EOH.	
345				+ +	20	7F 15-45 Ro C,Ca,H	to YGy				
	57			+ +	45	3F 50-85 Ro C,Cy	to				
				+ +	45	4F 45-80 Ro C,Cy	PGrY				
				+ +	30	5F 55-85 Ro Ca					
				+ +	30	4F 25-85 Ro C,Ca,?Cy					
350				+ +	15	5F 50-85 Ro C,Ca,H					
										EOH @ 350.9m	
										EASTMAN CAMERA SURVEYS.	
										50m -81° 170°M, 100m -80½° 171°M	
										150m -80½° 170°M, 200m -80° 169°M	
										250m -80° 169°M, 300m -80° 172°M	
355										350m -80° 174°M.	

AFMECO MINING AND EXPLORATION - DIAMOND DRILLHOLE LOG

E.L. No: 3347 | Anomaly: KUNBOHWINJGU | Hole Number: KBW03R | Logged By: D. EWINGTON

Easting: 352250 | Northing: 8633230 | R.L: 180 | Dip: 75° | Azimuth: 120° M.

Precollar: — | Total Depth: 182.8 m. | Start Date: 20/6/98 | Finish Date: 26/6/98.

Driller: | Rig: 18. | Hole Size NQ2 | Gamma log: AUSLOG

Depth (m)	Box #	Core rec %	S_0 / S_1	Geol	Max Gsize	Fractures	Colour	Alteration C H Si Cy I	Minerals Q	Comments	Samp #
HOLE STARTS AT 10.5 METRES.											
			75°		1	CF 25-75° (75) Ro. Cy.				Moderately to highly friable sandstone. Fine to medium grained, well sorted. Minor haematite alteration and moderate illite alteration.	
			75°		1	3F - 70° Ro - Cy.	LO to LOP				
					1	Disintegrated.					
	1	100%			2	Disintegrated.					
14.3					1	3F - 15-70° (70) Ro - Cy.				Mildly friable, to highly friable in centre of section. Fine to medium grained, well sorted sandstone.	
15			70°		2	4F - 30-80° (70°) Ro - Cy.					
			60°		1	3F - 35-80° (70) Ro - Cy.	LO to LOR.				
	2	60%			1	Disintegrated.					
		60%			1	Disintegrated.					
20.					1	6F - 20-80° (70) Ro - Cy.					

AFMECO MINING AND EXPLORATION DIAMOND DRILLHOLE LOG

Hole #: KBW03R **Page#:** 2/12

Depth (m)	Box #	Core rec %	S_0 / S_1	Geol	Max Gsize	Fractures	Colour	Alteration C H Si Cy I	Minerals Q	Comments	Samp #
			65° / 75°		1	6F - 20-80°(70) Ro - Cy.				see above.	
					1	9F - 5-90°(65) Ro - Cy.					
21.5.	2		70°		1	4F - 80° Ro - Cy					
			70°		1	0 F				Fine grained sandstone - well sorted, cross-bedded and mildly friable in places. Haematite "banding" throughout section.	
					1	3 F - 80° Ro - F	to Gy/Pl.				
25			75°		1	1 F - 20° Ro.-Cy					
	3	100%			1	4 F - 75° Ro - Cy, H.					
			75		1	5 F - 45-75° (75°) Ro - Cy. H.					
28.3.					1	6F - 40-85° (80°) Ro - Cy.				More densely fractured section compared to above. Fine grained, well-sorted sandstone, mildly friable in part. Fractures are also low angle TCA compared to above. Mild siliceous alteration at top, but reducing down section. Haematite + illite alteration throughout.	
					1	12 F - 20-80° (30°) Ro - Cy.					
30			80		1	9 F - 15-75° (30°) Ro - Cy.					
					1	3F - 5-80° (80°) Ro - Cy.	to Ro.				
	4				1	Highly Fractured Ro - Cy.					
			75		1	14 F - 20-90 (70°) Ro - Cy.					
35					1	8F - 20-70 (60°) Ro - Cy.					

AFMECO MINING AND EXPLORATION DIAMOND DRILLHOLE LOG

Hole #: KBW3R **Page#:** 3/12

Depth (m)	Box #	Core rec %	S_0/S_1	Geol	Max Gsize	Fractures	Colour	Alteration (C H Si Cy I L)	Minerals (Q)	Comments	Samp #
			75°		1	8 F. 10-80° (60°) Ro - Cy.				see above.	
		100%			1	14 F - ~~20~~ - 90° (50°) Ro - Cy.					
37.5.					1	Disintegrated.					
	5				1	Disintegrated	60.			Section comprises sand and minor highly friable core remains of fine grained sandstone. Illite alteration observed in core fragments.	
40					1	Disintegrated.					
		CORE LOST.									
			80°		1	21 F - 0 - 75° (75°) Ro - Cy.	60 to 40.			Strongly fractured f-g sandstone. Moderate limonite alteration of friable sst towards base of section. Majority of fractures roughly parallel to bedding, but fracture parallel to TCA from 43.0 to 44.6 m.	
					1	18 F - 0 - 80° (70°) Ro - Cy.					
44.6.					1	14 F - 0 - 80° (80°) Ro - Cy.					
45	6	100%	80		1	11 F - 15 - 80° (30°) Ro - Cy, L.	60 to 120.			Moderately fractured fine-grained sandstone. Numerous healed fractures and rare stylolites. progressing to highly fractured base of section. Competent sandstone at top of section accompanied by minor patchy illitisation & haematisation. Moderate to mild silicification throughout top of section.	
			80		1	Highly fractured.					
					1	Highly fractured					
48.7	7				1	Highly fractured					
					1	4 F. 60-90° (85°) Ro - Cy.				see below.	
50											

AFMECO MINING AND EXPLORATION DIAMOND DRILLHOLE LOG

Hole #: KBMW3R **Page#:** 4/12

Depth (m)	Box #	Core rec %	S_0/S_1	Geol	Max Gsize	Fractures	Colour	Alteration (C H Si Cy I L)	Minerals (Q)	Comments	Samp #
	7	80%	70°		1	8F - 0 - 75° (20°) Ro - Cy, L.				Moderately fractured to highly fractured, fine- to medium-grained sandstone. Most fracture planes stained with L and Cy. Numerous healed fractures throughout section, anastomosing and intersecting true fractures. Patchy haematite, illite, and silica alteration throughout section.	
					2	8F - 0 - 70° (20°) Ro - L, Cy					
			80°		2	4F - 10 - 90° (10°) Ro - Cy, L.					
					1	Highly fractured L, Cy					
55					2	Highly fractured L, Cy	Lo to LRO.				
					1	Highly fractured. L, Cy.					
	8	100%			1	10F - 5 - 80° (80°) Ro - Cy, L.					
					1	11F - 0 - 80° (80°) Ro - Cy, L					
					1	16F - 0 - 80° (70°) Ro - Cy, L.					
			75°		2	5F - 70° Ro - Cy.					
60					2	7F - 40 - 75° (75°) Ro - Cy.				Breccia infilling fracture at 61.9 m. Heavily Limonite + haematite stained. Breccia comprises sandstone clasts up to 1 cm in diameter.	
	9		75°		1	Highly fractured L, H.					
61.9					1	10F - 5 - 75° (15°) Ro - Cy.				moderately fractured, f.g sandstone. Numerous healed fractures, and anastomosing fractures (? proto breccia). Mild haematite and illite alteration with moderate silicification throughout section.	
					1	12F - 80 - 5° (80°) Ro - Cy.	RO.				
			75°		1	8F - 20 - 80° (75°) Ro - Cy.					
65											

AFMECO MINING AND EXPLORATION DIAMOND DRILLHOLE LOG

Hole #: KBW3R **Page#:** 5/12

Depth (m)	Box #	Core rec %	S_0 / S_1	Geol	Max Gsize	Fractures	Colour	Alteration C H Si Cy I L.	Minerals Q	Comments	Samp #
			70°		1	11F - 0-75° (70°) Ro - Cy. L.				see above.	
					1	8F - 25-80 (80°) Ro - Cy. L.					
67.3.	10				1	6F - 25-85° (85°) Ro - Cy.					
			75		1	6F - 25-85° (85°) Ro - Cy					
			80°		1	5F - 75° Ro - Cy.	Lo to RcyPl			Mildly fractured, f-g to medium-grained sandstone. Mild stylolite formation and beginnings of fracture development, with clay (illite) commonly forming along these structures.	
70					1	3F - 75° Ro - Cy.					
					1	5F - 65-85° (75°) Ro - Cy.				Pervasive haematite and silica alteration throughout section, with mild illite alteration. Illite alteration patchy in places, forming "spotted" blebs in section.	
		100%	75°		1	3F - 5-70° (70°) Ro - Cy.					
	11		70°		1	4F - 25-90° (70°) Ro - Cy.					
					1	5F - 75° Ro - Cy.					
75					2	3F - 0-80° (0°) Ro - L, H Cy					
			75°		2	OF					
77.5					3.	2F - 25-80° (50°) Ro - Cy.				see below.	
	12				3.	5F - 75° Ro - Cy.					
80					3.	6F - 70-75° (70°) Ro - Cy.					

AFMECO MINING AND EXPLORATION DIAMOND DRILLHOLE LOG

Hole #: KBW 3 R **Page#:** 6/12

Depth (m)	Box #	Core rec %	S_0 / S_1	Geol	Max Gsize	Fractures	Colour	Alteration (C H Si Cy I L)	Minerals (Q)	Comments	Samp #
	12				2	Highly fractured Ro - Cy, L.	lo to LRO.			Moderately to completely fractured s fg to c.g sandstone. Mildly silicified at first, but grading to strong illitisation. Mild limonite alteration of section at top.	
					2	16 F - 0 - 85° (60°) Ro - Cy, L.					
					2	Highly fractured Ro - Cy.					
83.9					5	Highly fractured Ro - Cy, L.					
85	13		70°		43.	3F - 35 - 75° (75°) Ro - Cy.				Moderately to strongly fractured m-g to vc. grained sandstone with common pebble to cobble clasts. Moderate illite alteration throughout, with assoc. minor silicification and haematite + limonite alteration.	
					7	4F - 25 - 80° (80°) Ro - Cy.					
					8	13 F - 20 - 80° (80°) Ro - Cy.	40, lo to LOR.				
		100%			11	9F - 80 - 90° (85°) Ro - Cy.					
					14	16F - 75 - 85° (70°) Ro - Cy. L.					
			75°		10.	8 F - 80 - 90° (70°) Ro - Cy, L.					
90	14				12	6F - 5 - 80° (5°) Ro - Cy.					
					12	3F - 0 - 10° (5°) Ro - Cy.					
			80°		19.	13 F - 40 - 80° (60) Ro - Cy, L.					
93.0					17.	Highly broken. Ro - L, Cy.				see below.	
	15				8.	14 F - 0 - 80° (40°) Ro - L, Cy.					
95											

AFMECO MINING AND EXPLORATION DIAMOND DRILLHOLE LOG

Hole #: KBW3R **Page#:** 7/12

Depth (m)	Box #	Core rec %	S_0 / S_1	Geol	Max Gsize	Fractures	Colour	Alteration C H Si Cy /	Minerals Q	Comments	Samp #
	15		75°		19.	16F - 0-80° (60°) Ro - Cy, L.					
					7.	Highly fractured Ro - Cy, L.					
			75		4	15F - 10-85° (70°) Ro - Cy, H.					
					12.	9F - 15-85° (70°) Ro - Cy, L.					
100			80°		41	AF - 10-40° (20°) Ro - Cy.	LRD to RAyPl (in patches)			Moderately silicified, highly to completely fractured sandstone. M-g to vc-grained sandstone with common pebble + cobble clasts. Poorly sorted. Moderate illite alteration with assoc. wild haematite alteration - patchy in places and strengthens from 98.5 - 100.0 m.	
	16				8	6F - 5-80° (30°) Ro - Cy. L.					
					14	Highly fractured Ro - Cy.					
		100%	85°		6.	Highly fractured Ro - Cy. L.					
					21	Highly fractured Ro - Cy.					
105					8	Highly fractured Ro - Cy.					
			80°		3	Highly fractured Ro - Cy.					
	17				8	Highly fractured Ro - Cy.					
106.7			80°		10	6F - 60-80° (60°) Ro - Cy.	LOR to RAyPl			Mildly fractured, silicified + illite altered sandstone. Haematite alteration increases towards unconformity. M-g to vc grained srt with common pebble + cobble clasts.	
			75°		20	4F - 25-80° (70°) Ro - Cy.					
			75		9	8F - 20-85° (70°) Ro - Cy.					
110											

AFMECO MINING AND EXPLORATION DIAMOND DRILLHOLE LOG

Hole #: KBW3R. **Page#:** 8./12

Depth (m)	Box #	Core rec %	S_0/S_1	Geol	Max Gsize	Fractures	Colour	Alteration (C H Si Cy I)	Minerals (Q)	Comments	Samp #
			75°		16	2F - 15-80° (45°) Ro - Cy.				see above.	
					18	OF					
111.9	18			+ +	6	3F - 40-80° (40°) Ro - Cy.	Lcy to RCyPl.			UNCONFORMITY. m-c-grained, equi- to subequigranular granite. Intense haematitic alteration throughout section, with partial qtz removal @ 117.8 - 118.1 m. Mild illic alteration throughout with many plagioclase laths altered to a light green colour through illitisation. Bleaching and illitisation halos observed surrounding some fractures.	
				+ +	3	5F - 5-75° (75°) Ro - Cy.					
115			—	+ +	5	3F - 5-90° (90°) Ro - Cy.					
				+ +	4	4F - 40-60° (40°) Ro - Cy.					
		100%		+ +	5	11F - 15-85° (40°) Ro - Cy.					
				+ +	6	6F - 65-85° (85°) Ro - Cy.					
118.4	19			+ +	9	3F - 45-80° (60°) Ro - Cy.					
			—	+ +	11	3F - 50-90° (80°) Ro - Cy.	mGry to GrBk			Predominantly inequigranular, illite altered granite. C-vc-grained. Thin spider veinlets of qtz throughout.	
120				+ +	9	6F - 50-85° (80°) Ro - Cy.					
121.2				+	12	OF				Inequigranular m-c grained granite with porphyritic laths of K-feldspar. Laths oriented @ 70-75° TCA. Thin ?pegmatite vein @ 123.1 m and qtz-feldspar vein @ 124.9 m.	
	20		75°	+ +	10	3F - 10-85° (85°) Ro - Cy.					
				+ +	7	6F - 30-85° (60°) Ro - Cy.					
			75°	+ +	6	8F - 10-75° (40°) Ro - Cy.					
125.0											

AFMECO MINING AND EXPLORATION DIAMOND DRILLHOLE LOG

Hole #: KBW 3R **Page#:** 9/12

Depth (m)	Box #	Core rec %	S_0 / S_1	Geol	Max Gsize	Fractures	Colour	Alteration (C H Si Cy Se)	Minerals (Q Ca)	Comments	Samp #
				+ +	10	2F - 80-85° (80°) Ro - F	mottled dR.			Haematitically + sericite altered granite. Disseminated leucoxene pseudomorphs of sphene throughout section.	
126.2	20			+ +	8	7F - 5-70° (70°) Ro - Cy, Q				Subequigranular to inequigranular granite.	
			–	+ +	9	4F - 70° Ro - Cy.				Small areas of K-feldspar and biotite foliation.	
				+ +	10	3F - 70-75° (75°) Ro - Q, Ca Cy				25 cm thick pegmatitic vein @ 129.5m, comprising K-spar, sericite/illite altered plagioclase, and chlorite-altered biotite.	
			–	+	45	9F - 40°-80° (70°) Ro - Cy.				Disseminated leucoxene after sphene throughout.	
130			45°	+++++						Pervasive silicification throughout section, with moderate sericite/illite alteration as haloes around pegmatite vein.	
			60°	+ +	5	2F - 25-70° (45°) Ro - Cy.	mottled Cy			Minor leucocratic unmixing at 134.5 - 135.0m.	
	21	100%		+ +	9	2F - 80° Ro - Ca Cy.				Thin qtz vein @ 135.0m.	
				+ +	7	7F - 30-85° (60°) Ro - Ca Cy.					
				+ +	10	6F - 85° Ro - Cy.					
				+ +	24	1F - 75° Ro - F					
135				± - - -	10	0F					
				+ +	9	7F - 70-80° (70°) Ro - Cy, Ca					
136.7	22			+ +	8	6F - 30-85° (60°) Ro - Ca Cy.				Granite as above, with pervasive sericite/illite alteration throughout section. Common pegmatite veins up to 30 cm in width, comprising K-spar, plagioclase, and biotite (chlorite altered)	
				++++++	25	7F - 20-90° (70°) Ro - Ca Cy.	mottled dCyCr.				
				+ +	22	4F - 80° Ro - Ca Cy.					
140.											

AFMECO MINING AND EXPLORATION DIAMOND DRILLHOLE LOG

Hole #: KBW3R. **Page#:** 10/12

Depth (m)	Box #	Core rec %	S_0/S_1	Geol	Max Gsize	Fractures	Colour	Alteration C H Si Cy Se	Minerals Q Ca	Comments	Samp #
140.1				++++ ++++	27.	8F - 55-80° (70°) Ro - Cy.				Aplitic and pegmatitic section, comprising k-feldspar, sericite/illite altered plagioclase, chlorite altered biotite and quartz. Pervasive silicification and sericitization/illite alteration throughout.	
			–	++++ ++++ ++++	42	4F - 20-65° (65) Ro - Cy.	mottled mRB.				
	23		–	++++ ++++ ++++	19.	4F - 70° Ro - Cy.					
			–	++++ ++++ ++++	17.	10F - 40-85° (70°) Ro - Se, Cy.					
			–	++++ ++++ ++++	46.	7F - 30-70° (60°) Ro - Cy.					
145			–	++++ ++++ ++++	30.	8F - 65-90° (80°) Ro - Cy. Se.					
145.8.			–	+ - - + + - - +	7.	13F - 60-75° (70°) Ro - Cy. Se	mottled GrCgy.			Moderately fractured inequigranular granite. Partial silica removal throughout section, resulting in a friable texture. Calcite veinlets throughout section. Strong sericite/illite alteration.	
		100%	–	+ - - + + - - +	4	2F - 70° Ro - Cy.					
			–	+ - - + + - - +	12	1F - 80° Ro - Cy.					
148.8.				+ + - - + +	6.	6F - 50-70 (60°) Ro - Cy.	mottled dCgyGr.			Subequi to inequigranular granite. Thin pegmatite(?) vein at 150.5 m, comprising K-feldspar + qtz. Pervasive illite/sericite alteration throughout with mild silicification. Thin spider veinlets & calcite scattered throughout section, and along fractures. Highly sericitised and friable section @ 152.0 m.	
150	24		–	+ - - + + - - +	11	7F - 30-80 (70°) Ro - Cy.					
			–	+ - - + + - - +	8	4F - 55-90 (90°) Ro - Se, Cy					
			–	+ - - + + - - +	10	9F - 45-75 (75°) Ro - Se, Cy.					
153.0				+ + + + + +	7	3F - 45° Ro - Cy.				see below.	
	25		65°	+ + + + + +	15	3F - 70° Ro - Cy.					
155											

AFMECO MINING AND EXPLORATION DIAMOND DRILLHOLE LOG

Hole #: KBW3R **Page#:** 11/12.

Depth (m)	Box #	Core rec %	S_0/S_1	Geol	Max Gsize	Fractures	Colour	Alteration C H Si Cy Se	Minerals Q Ca	Comments	Samp #
	25		–	+ + ++++	14	1F - 75° Ro - F	mottled dGy.			Granite as above. More common pegmatitic veins (thin to 20 cm in width), comprising qtz, k-feldspar, biotite. Leucoxene after sphene disseminated throughout. Calcite common along fracture. Pervasive silicification, minor to non-existent sericite alteration	
			–	+ - - - +	10	8F - 25-70 Ro (50°) - Ca.					
			–	+ - - - +	10.	8F - 25-80° Ro (70°) Ca, C					
158.7			–	++++ +	19	3F - 80-90° Ro (90°) Ca					
			–	+ +	17.	2F - 50° Ro - Se				Granite as above. Pervasive silicification accompanied by mild to non-existent sericite alteration. Calcite veinlets common throughout section and along fracture planes. "Bleaching" of granite around calcite veins @ 168.3 m + 163.1 m. + 165.5 m Quartz - calcite vein @ 163.8 m.	
160				+	7.	3F - 55-70° Ro (70°) - Cy -					
				+	9	3F - 75-80° Ro (80°) - F					
	26	100%	–	+	12	6F - 25-90° Ro (70°) - C, Cy.					
				+ - - +	9	3F - 65-90° Ro (70°) Ca	mottled dGy.				
				+	13.	3F - 70° Ro - F					
165			–	+	7	11F - 10-60° (40°) Ro - C, Ca					
				+	19	5F - 20-80 Ro - C.					
	27		–	+	11	3F - 5 - 75° Ro (70°) - Ca.					
				+	10.	2F - 60-80° Ro (70°) - Ca, Se.					
170.0				+	12	6F - 80-90° Ro (85°) - F, Ca.					

AFMECO MINING AND EXPLORATION DIAMOND DRILLHOLE LOG

Hole #: KBW 3R. **Page#:** 12/12

Depth (m)	Box #	Core rec %	S_0/S_1	Geol	Max Gsize	Fractures	Colour	Alteration C H Si Cy Sc	Minerals Q Ca	Comments	Samp #
	27		–	+ + + +	9	3F - 45 - 80° (80°) Ro - Ca.					
				+ + + +	8	8F - 50 - 90° (50°) Ro - Cy.					
				+ + + +	12	7F - 5 - 75° (10°) Ro - C, Cy.					
			–	+ + + +	16.	5F - 20 - 80° (60) Ro - C, Cy.				Granite as above with common qtz - k. feldspar veins and pegmatite veins, comprising qtz, k-feldspar biotite (unaltered). Moderately fractured at top and bottom of section. Calcite and chlorite common along fracture planes.	
				+ + + +	11	2F - 60° Ro - C, Ca					
175	28		–	+ + + +	11	4F - 70 - 90° (90°) Ro - Cy.	mottled dGy.			Minor coarse grained segregates @ 178.1 m with a 50° angle TCA. As with many granites above, foliation not evident.	
		100%		+ + + +	9	2F - 40 - 60 (50°) Ro - Cy.					
			–	+ + + +	6.	5F - 30 - 85° (60°) Ro - Cy, Ca.				Calcite veinlets associated with thin "bleached" haloes.	
				+ + + +	7	0 F					
			–	+ + + +	10.	1F - 30° Ro - Cy					
180	29			+ + + +	7	4F - 70 - 90° (80°) Ro. F					
			–	+ + + +	18	6F - 90 - 90° (75°) Ro - F, C					
			–	+ + + +	21	7F - 20 - 60° Ro (60°) Cy, C.					
182.8											
EOH											

EASTMAN CAMERA SURVEYS

50 m	–76°	140° M
100 m	–76°	139° M
150 m	–76½°	144° M
182 m	–76°	141° M

AFMECO MINING AND EXPLORATION - DIAMOND DRILLHOLE LOG

E.L. No: 3347 | Anomaly: Kunbohwinjgu | Hole Number: KBW 04 | Logged By: P. Kastellorizos

Easting: 362910 | Northing: 8633 105 | R.L: 130 | Dip: 80° | Azimuth: 173° M

Precollar: | Total Depth: 197.1 m | Start Date: 30th June 1998 | Finish Date: 3rd July 1998

Driller: | Rig: Heli - Rig #18 | Hole Size NQ2 | Gamma log: Auslog

Depth (m)	Box #	Core rec %	S_0 / S_1	Geol	Max Gsize	Fractures	Colour	Alteration C H Si Cy	Minerals Q	Comments	Samp #
										No core recovery until 24.5 m.	
5											
10											

AFMECO MINING AND EXPLORATION DIAMOND DRILLHOLE LOG

Hole #: KBW 04 **Page#:** 2

Depth (m)	Box #	Core rec %	S_0 / S_1	Geol	Max Gsize	Fractures	Colour	Alteration C H Si Cy Li	Minerals Q	Comments	Samp #
15											
20											

AFMECO MINING AND EXPLORATION DIAMOND DRILLHOLE LOG **Hole #: KBW 04** **Page#:3**

Depth (m)	Box #	Core rec %	S_0 / S_1	Geol	Max Gsize	Fractures	Colour	Alteration C H Si Cy	Minerals Q	Comments	Samp #
		90%			1	SF 60-85 Ro H	RB			Strongly broken core with strong haematitic fractures.	2660 XRD
					1	8F 60-80 Ro H	to			@ 27.9m coarse conglomerate with siliceous sandstone	
					1	Highly broken K H	10R			clastic incop. in a haematitic matrix.	
29.5					1	0				Minor kaolinitic clay with broken zone.	
30	1					1F 85-90 Sm				Strongly altered oxidised lava flow. Very massive	
						0	dBR			with small holes representing gas bubbles (escaping	PIMA
						0				gases at 32.83m. @ 33.50 quartz grains present	
						0				probably introduced at a later stage. Disseminated	
		100%				0	to			throughout core small veinlets representing oxidisation	
35						0				fronts. @ 38.85m amygdaloidal filled vesicular	
	2					0	Gy Gr			bubble replaced by clay. Specular haematite hosted within	
						0				quartz are present 40.90m and throughout core. @ 45.12	
						0	to			irregular discontinous bands of clay recreathing volcanic	
						0				tuffs. @ 46.10m white pale clasts deposited horizontal	
to						0	mRP				PIMA

AFMECO MINING AND EXPLORATION DIAMOND DRILLHOLE LOG **Hole #:** KBW 04 **Page#:**4

Depth (m)	Box #	Core rec %	S_0/ S_1	Geol	Max Gsize	Fractures	Colour	Alteration (C H Si Cy B Y)	Minerals (Q)	Comments	Samp #
										indicating lapilli of volcanic rocks (ash fall volcanic rock)	
	3	90%								Overall the volcanic sequence has abundant hydroxides,	PIMA
										oxidised and iron. Irregular druzzy quartz present.	
45										Strongly oxidised overall	
46.63	4		85°			2F 10-15°Ro LH	Gy P to IYO			Silicified fine to medium grained sandstone with weakly haematitic - illitic alteration. Bleaching occurs throughout the core. Irregular discontinous healed fractures with some limonite and illite are common. Bedding plane is 85° TCA. @ 52.30 - 53.2m highly broken zone.	PIMA
						6F 10-85 Ro LHI					
						4F 30-70 Ro L					
50						5F 25-82 Ro IL					XRD + PIMA
						6F 12-50 Ro IL					
	5					Highly broken LI					
53.0			85°			Highly broken LI					
						2F 50-60 Ro LI	IYO to Gy R			Silicified fine to medium grained sandstone with moderately illitic alteration.	
54.74						2F 7-20 Ro LI					PIMA
55											

AFMECO MINING AND EXPLORATION DIAMOND DRILLHOLE LOG **Hole #:** KBW 04 **Page#:** 5

Depth (m)	Box #	Core rec %	S_0 / S_1	Geol	Max Gsize	Fractures	Colour	Alteration (C H Si Cy I B Li)	Minerals (Q)	Comments	Samp #
			70°		1	4F 40-75 Ro LI				Silicified fine to medium grained sandstone	
					1	5F 15-60 Ro LHI	10PO			with weak illitic alteration disseminated throughout	
					1	4F 20-60 Ro LI				the core with limonite in the form of bands and patches.	
					1	5F 25-80 Ro IL	to			Illite alteration occurs in the form of circles.	
60	6	100%			1	7F 5-80 Ro ILH				Abundant fractures have limonite and illite throughout	PIMA
					1	9F 30-95 Ro IL	RB			with very minor hematite. Healed fractures also	
			70°		1	2F 30-40 Ro IL	to			host illite.	
					1	5F 15-75 Ro IL				@ 58.38 m light green tinge indicates oxidised sulphide	
					1	4F 10-80 Ro IL	YO			@ 66.5 - 67.5 m highly broken zone.	
65	7		86°		1	3F 5-70 Ro IL				@ 65.4 m limonitic stylolite at 86° TCA.	PIMA
					1	Highly broken IL				@ 68.0 m liesegang rings representing oxidisation	
		90%			1	7F 10-80 Ro IL				boundaries - defined by hematite.	
					1	6F 35-75 Ro IL				Hematitic - illite sandstone at 6800 m.	
68.9			70°		1	2F 55-85 Ro L					
70					1	3F 5-55 Ro L					PIMA

AFMECO MINING AND EXPLORATION DIAMOND DRILLHOLE LOG **Hole #:KBW 84** **Page#:6**

Depth (m)	Box #	Core rec %	S_0 / S_1	Geol	Max Gsize	Fractures	Colour	Alteration C H Si Cy Li I	Minerals Q	Comments	Samp #
			70°		1	9F 10-85 Ro L				Silicified hematitic - limonitic fine to medium grained sandstone with abundant fractures hosting limonite and minor hematite. Bedding plane varies from 70-85 TCA. defined by hematite veinlets, and by quartz pebble lineations.	
	8				1	Highly broken L					
					1	Highly broken L	mOP				
					1	5F 10-80 Ro L					
75		100%	85°		1	2F 25-75 Ro LH	to				PIMA
					1	4F 15-60 Ro L				@ 72.9m - 73.5m breccia zone hosted by silicified quartz clasts. 73.0m fault gouge shade up by thick strongly altered clay and hematite. Avg of 1100 cps on SPP2. Limonitic bands on fracture planes indicate fluid migration along the planes. max. 220 c/s	
							mOR				
	9				1	4F 25-75 Ro L					
					1	3F 15-20 Ro L					
					1	4F 5-25 Ro LI					
80	80.2				1	2F 10-70 Ro LIH					PIMA
			75°		1	3F 5-80 Ro IL				Strongly to moderately hematitic - weak illitic fine to medium grained sandstone with bands of quartz 80° to 85° TCA. Frequent irregular discontinuous healed fractures hosting illite within them.	
					1	2F 20-50 Ro ILH					
	10	100%	70°		1	6F 45-80 Ro IL					
					1	6F 15-85 Ro IL					
85			80°		1	4F 55-82 Ro IL					PIMA

AFMECO MINING AND EXPLORATION DIAMOND DRILLHOLE LOG

Hole #: KBW 04 **Page#:** 7

Depth (m)	Box #	Core rec %	S_0 / S_1	Geol	Max Gsize	Fractures	Colour	Alteration (C H Si Cy I Bl)	Minerals (Q)	Comments	Samp #
90	11	100%	75°		1	5F 15-70 Ro ILH	dGyR to mRB			Moderately to strongly hematitic - weak patchy illitic fine to medium grained sandstone with abundant frequent irregular discontinous healed fractures hosting hematite - illite.	
					1	4F 0-75 Ro IL					
					1	4F 5-20 Ro IL					
					1	7F 2-80 Ro LJ					
			70°		1	7F 45-75 Ro IL				@92.4m stylolites common at 80° TCA. Very minor bleached zones disseminated throughout the core following fractures and mostly present within the matrix of the sandstone	PIMA
					1	8F 25-85 Ro IL					
			80°		1	4F 5-85 Ro IL					
					1	5F 15-75 Ro IL					
					1	7F 10-85 Ro ILH				@98.4m open cavities hosting small drussy quartz	
95	12				1	5F 2-80 Ro HIL				@94.96 - 95.20m slightly higher clay content making core more brittle.	PIMA
					1	4F 5-78 Ro HIL					
					1	4F 12-75 Ro ILH					
					1	6F 75-85 Ro IH					
					1	7F 55-80 Ro LHJ					
100			70°		1	2F 85-90 Ro IH					PIMA+ XRD+

AFMECO MINING AND EXPLORATION DIAMOND DRILLHOLE LOG

Hole #: KBW 04 **Page#:** 8

Depth (m)	Box #	Core rec %	S_0 / S_1	Geol	Max Gsize	Fractures	Colour	Alteration (C H Si Cy Bl Li I)	Minerals (Q)	Comments	Samp #
100.20										Banded haematitic - limonitic - illitic fine to medium grained sandstone with irregular discontinuous healed fractures. Bedding plane varies from 75° to 81° TCA. @ 108.8m moderately illitic patchy alteration with the sandstone. until 113.20 m. Weakly silicification disseminated throughout the core. Abundant haematitic - limonitic - illitic fractures present. Open fractures hosting drozzy quartz at 108.15 m and 111.05 m.	
	13		80°		1	1F 85-90 Ro L					
					1	1F 78-80 Ro L					
					1	0	mRO				
					1	1F 75-80 Ro HK					
105			80°		1	0	to				PIMA
					1	0					PIMA
	14				1	2F 75-80 Ro I	mRB				PIMA
					1	1F 70-73 Ro HK					PIMA
					1	2F 10-70 Ro IHK	to				PIMA
110			81°		1	3F 10-70 Ro ILH	dGyR				PIMA
					1	4F 35-80 Ro IL					PIMA
					1	3F 5-70° Ro IL					PIMA
	15				16	3F 5-20 Ro HIL					PIMA
113.20			75°		4	3F 70-75 Ro IL					PIMA
115					12	5F 10-40 Ro LHI					PIMA

AFMECO MINING AND EXPLORATION DIAMOND DRILLHOLE LOG

Hole #: KBW 04 **Page#:** 9

Depth (m)	Box #	Core rec %	S_0 / S_1	Geol	Max Gsize	Fractures	Colour	Alteration C H Si Cy Li I	Minerals Q	Comments	Samp #
			70°		13	2F 20-60 Ro IL				Strongly hematitic - illitic coarse grained	PIMA
					6	5F 30-50 Ro ILH				sandstone with abundant conglomeratic poorly	PIMA
					8	8F 5-70 Ro ILHK	dRB			sorted bands with quartz pebbles ranging	PIMA
	16				8	2F 10-60 Ro ILH				from 6mm to 22 mm in diameter.	PIMA
					14	5F 50-80 Ro ILH					PIMA
120					9	4F 10-70 Ro ILH	to			Disseminated small tiny cavities and holes	PIMA
		100%	70°		14	Highly broken ILH				throughout the core due to dissolution of	PIMA
					7	6F 15-80 Ro HIL	GgY			Silica or feldspars.	PIMA
					8	4F 7-75 Ro ILH					PIMA
125	17				11	2F 5-70 Ro IHL	to			Moderately to strongly fractured core with	PIMA
					9	3F 10-85 Ro LHI				hematite and illite with limonite. Healed fractures	PIMA
					7	3F 15-80 Ro IHK	140			replaced by illite	PIMA
					8	3F 15-72 Ro IIH					PIMA
					22	3F 80-85 Ro HIL					PIMA
130	18		70°		19	3F 80-85 Ro ILH					PIMA

AFMECO MINING AND EXPLORATION DIAMOND DRILLHOLE LOG

Hole #: KBW 04 **Page#:** 10

Depth (m)	Box #	Core rec %	S_0 / S_1	Geol	Max Gsize	Fractures	Colour	Alteration (C H Si Cy I Li)	Minerals (Q)	Comments	Samp #
					27	4F 40-85 Ro ILM				Heamtitic - illitic - limonitic coarse grained sandstone	DIMA
					28	2F 38-45 Ro ILH	dBR			with tiny small holes caused by dissolution of	DIMA
		100%			12	46-45-85 Ro ILH	to			silica or feldspars.	DIMA
					32	3F 65-80 Ro ILH				@134.5 m blue quartz grains might indicate	DIMA
135					12	6F 5-75 Ro LHI	mBR			pressures or the transportation of the quartz from	DIMA
					14	1F 20-30 Ro			136.43m	an Archean basement. Conglomeratic bands throughout.	DIMA
136.43	19								UNCONFORMITY		
			40°			0	dRB			Strong heamtitic (with clays) altered granite with	
		100%				1F 70-85 Ro HI	to			weak illitization disseminated throughout. Potassic	
			40°			2F 80-90 Sm H	mRB			feldspar - quartz - biotite are the mineral assemblages	
139.52											
						1F 80-85 Sm H				Heamtitic - illitic - chloritic altered medium	
140						0	dRB			grained granite with patchy alteration disseminated	
	20					2F 80-85 Ro H	to			throughout the core. Granite's minerals include	
						2F 80-85 Ro HC	y wh			feldspar - biotite - quartz.	
						2F 60-75 Ro H	to				
145						2F 60-70 Ro H	Gy Gr				

AFMECO MINING AND EXPLORATION DIAMOND DRILLHOLE LOG

Hole #: KBW 04 **Page#:** 11

Depth (m)	Box #	Core rec %	S_0/ S_1	Geol	Max Gsize	Fractures	Colour	Alteration C H Si Cy I	Minerals Q Ca	Comments	Samp #
146.32											
	21	100%	85°			11 F 60-85 Ro Sm C H I	Y Gr to RB			Chloritic - hematitic - illitic altered fine to medium grained granite with abundant chloritic biotite flakes. within the matrix and within quartz vein at 148.74.	
149.50											
150							mRO			Hematitic - illitic altered granite (porphyroblastic) with numerous calcitic veinlets from 5-30° TCA. @ 155.1 to 155.58 equigranular medium grained weakly hematitic altered granite. @ 156.32 and 156.40 m calcite - chlorite veins with albitization forming a parallel zone of alteration around them.	
		100%				7F 55-75 Ro Sm C H ss	to				
155	22										
156.80											
		100%	70°			10F 60-85 Ro Sm C, H I	I Gr Gg to RB Gr		I	Porphyroblastic chloritic - hematitic altered granite with very weakly illitic alteration. @ 158.77 m irregular frequent discontinous calcitic veinlets.	
160											

AFMECO MINING AND EXPLORATION DIAMOND DRILLHOLE LOG

Hole #: KBW 04 **Page#:** 2

Depth (m)	Box #	Core rec %	S_0/S_1	Geol	Max Gsize	Fractures	Colour	Alteration C H Si Cy I	Minerals Q Cg	Comments	Samp #
163.63	23	100%	70°			20F 50-70 Ro Sm C H	mRB to lGy Gr			Chloritic - hematitic altered pegmatite with graphic texture. @ 163.53 m clay fault. Muscovite flakes present within quartz zones at 162.12 m	
165		100%				o	Y Gr to Gy Gr			Porphyroblastic weakly hematitic - chloritic granite with patchy illitization disseminated throughout the core	
165.74											
166.50		100%	75°			5F 80-90 Ro Sm	O.P R to B			Fine to medium grained chloritic - hematitic granite	
	24						Gy Y Gr			Porphyritic coarse grained granite, matic minerals are mesocratic whereas the light colored minerals are leucocratic. Calcitic healed fracture are numerous. @ 169.37 and 170.28 fine to medium grained leucocratic granites intrude from another granitic source below? Feldspar are euhedral in shape whereas the qtz and biotite are anhedral. Intrude plane 50° TCA.	
170		100%				o	to Gy BK				
172.9	25		50°								
		100%				o	Gy Bk to Gy wh			Medium grained leucocratic granite (fresh) with small zones of pegmatites displaying graphic texture where the feldspars and quartz are interlocking with each other	
175											

AFMECO MINING AND EXPLORATION DIAMOND DRILLHOLE LOG

Hole #: KBW ϕ4 **Page#:** 13

Depth (m)	Box #	Core rec %	S_0 / S_1	Geol	Max Gsize	Fractures	Colour	Alteration C H Si Cy	Minerals Q Ca	Comments	Samp #
179.71	26	100%	50°			0	1Gy to Gy Bk			Porphyritic coarse grained granite - mesocratic minerals such as biotite with feldspars and quartz leucocratic. Calcite veins numerous disseminated throughout core. Intrusion plane is at 50° TCA. No alteration present.	
180											
		100%				0	1OP to Wh O			Leucocratic pegmatite with biotite flakes elongated throughout. Graphitic texture dominate with qtz and feldspars interlocking with each other. Biotite ⊥ to the intruded plane.	
181.9											
		100%				0	1Gy to Gy Bk			Porphyritic coarse grained granite with calcite disseminated within matrix - mesocratic - leucocratic appearance.	
183.24											
		100%				0	Gy Gr to Gy PO			Medium grained granite to aplitic in some zones. Mesocratic matic minerals with leucocratic minerals associated	
185.65											
	27	100%				0	1Gy to Gy Bk			Porphyritic coarse grained granite with weakly calcite observed within the matrix. Porphyroblastic feldspars with medium to coarse grained qtz and biotite. Very fresh appearance - no alteration.	
190											

AFMECO MINING AND EXPLORATION DIAMOND DRILLHOLE LOG

Hole #: KBW 04 **Page#:** 14

Depth (m)	Box #	Core rec %	S_0 / S_1	Geol	Max Gsize	Fractures	Colour	Alteration C H Si Cy	Minerals Q Ca	Comments	Samp #
190.1											
	28					0	gy O to gy Bk			Fine to medium grained granite with calcite disseminated within small veinlets and in the matrix. Mesocratic matic mineral with leucocratic feldspars and qtz. Fresh appearance - no alteration	
195											
195.70										Porphyroblastic coarse grained fresh granite	
197.10	29					0	gy Bk to gy			Fine to medium grained granite with calcite	
						0			E.O.H. 197.1m		

EASTMAN CAMERA SURVEYS

50 m	−81°	186° M
100 m	−81°	181° M
150 m	−81°	186° M
190 m	−81°	188° M

AFMECO MINING AND EXPLORATION - DIAMOND DRILLHOLE LOG

E.L. No: 3347 | Anomaly: KUNBOHWINJGU | Hole Number: KBW05 | Logged By: J. FABRAY

Easting: 359500 | Northing: 8641400 | R.L: 135 | Dip: −80° | Azimuth: 170 °M

Precollar: 0 m | Total Depth: 209.5 m | Start Date: 6/7/98 | Finish Date: 9/7/98

Driller: S. BAKER, D. TYNDALL | Rig: CENTURY HELIRIG # 18 | Hole Size NQ 2 | Gamma log: AUSLOG

Depth (m)	Box #	Core rec %	S_0/S_1	Geol	Max Gsize	Fractures	Colour	Alteration C H Si Cy Bl	Minerals Q	Comments	Samp #
		95	75		1	11F 60-80 Ro - Cy.	LBrGy to YGy			KOMBOLGIE FORMATION MEDIUM/COARSE GRAINED WEAKLY SILICIFIED SANDSTONE. PATCHY BLEACHING	XRD PIMA
					1	10F 60-80 Ro - Cy					
2.0	1	85	75		1	7 20F 60-80 Ro - Cy	PGy to GyR			MEDIUM/COARSE GRAINED SANDSTONE. BLEACHED IN PART WITH MINOR FRIABLE ZONES. PATCHY WEAK SILICIFICATION. MINOR HEMATITIC ZONES - WEAK. A FEW STYLOLITES.	PIMA
					1	7 20F 60-80 Ro - Cy					
5					1	13F 70-80 Ro - Cy, Li					
					1	3F 60-80 Ro - Cy					
6.1	2	100	75		1	6F 30-80 Ro - Q, Cy	PGy to GyBr			MEDIUM/COARSE SANDSTONE WITH MINOR V. COARSE SAND BEDS. PATCHY WEAK SILICIFICATION AND HEMATITISATION. BLEACHED IN PART. SOME MINOR IARREGULAR VUGGY QUARTZ VEINS. SOME LIMONITE ON FRACTURES.	PIMA
					2	7F 20-80 Ro - Q, Li					
					2	8F 60-80 Ro - H, Cy					
		100	75		1	10F 15-80 Ro - Q, Cy					
10											

AFMECO MINING AND EXPLORATION DIAMOND DRILLHOLE LOG

Hole #: KBW05 **Page#:** 2/15

Depth (m)	Box #	Core rec %	S_0/S_1	Geol	Max Gsize	Fractures	Colour	Alteration C H Si Cy Bl	Minerals Q	Comments	Samp #
10.4										AS ABOVE.	
	2				1	4F 70-80 Ro – Cy	GyR to pRBr			MEDIUM/COARSE GRAINED SANDSTONE. WEAKLY SILICIFIED. PATCHY HEMATITE ALTERATION AND BLEACHING. MINOR SHEARING. MINOR V GUY FRACTS.	
					1	8F 30-80 Ro – Cy, Q					
12.9					2	3F 70-80 Ro – Cy					
			75		1	7F 70-80 Ro – Cy	pO to GyBr			MEDIUM/COARSE SANDSTONE. PATCHY SILICIFICATION – MODERATE IN PART. ALTERNATIONS OF BLEACHING AND HEMATISATION. BLEACHED ZONES ASSOCIATED WITH FRACTURES MINOR STYLOLITES.	PIMA
15	3				1	3F 70-80 Ro – Cy					
		100			1	5F 70-80 Ro – Cy					
					1	1F 75 Ro – Cy					
			80		2	2F 70-80 Ro – Cy					
					1	5F 30-80 Ro – Q, Cy					
18.6			75		1	4F 60-80 Ro – H, Cy	pBr to RO			MEDIUM/COARSE GRAINED SANDSTONE WITH SOME V. COARSE BANDS. PATCHY SILICIFICATION – MODERATE IN PART. UNUSUAL ORANGE HEMATITE – CLAY ALTERATION IN PART. A FEW STYLOLITES.	PIMA
20					2	4F 60-80 Ro – Cy					
	4				2	6F 30-70 Ro – Cy					
			75		2	6F 70-80 Ro – Cy					
					2	4F 70-80 Ro – Cy					
23.8					1	1F 70 Ro – Cy	RO to GyR			MEDIUM-COARSE GRAINED SANDSTONE. MODERATE ORANGE HAMATITE-CLAY ALTERATION. PATCHY SILICIFICATION.	PIMA
25											

AFMECO MINING AND EXPLORATION DIAMOND DRILLHOLE LOG **Hole #:** KBW05 **Page#:** 3/15

Depth (m)	Box #	Core rec %	S_0/S_1	Geol	Max Gsize	Fractures	Colour	Alteration C H Si Cy Bl	Minerals Q	Comments	Samp #
			80		2	2F 70-80 Ro - Cy				AS ABOVE.	
26.0	5		80		1	3F 20-80 Ro - Q,Cy	pBr to OP			MEDIUM/COARSE GRAINED SANDSTONE. SILICIFIED - MODERATE IN PART. WEAKLY HEMATITIC TO BLEACHED. A FEW FRACTURES WITH VUGGY QUARTZ.	
					1	5F 70-80 Ro - Q,Cy					
					2	5F 15-80 Ro - Cy					
29.8					1	4F 70-80 Ro - Cy					
30			75		1	2F 15-70 Ro - Q,Cy	pBr to lGyO			SILICIFIED MEDIUM/COARSE GRAINED SANDSTONE. PATCHY BLEACHING AND WEAK DIAGENETIC HEMATITE. A FEW STYLOLITES.	PIMA
					1	2F 70-80 Ro - H,Cy					
32.1	6	100%	80		1	5F 70-80 Ro - Cy	Br to lBr			-AS ABOVE - PATCHY MODERATE SILICIFICATION. SOME WEAK HEMATITISATION.	
					1	4F 70-80 Ro - Cy					
					1	5F 70-80 Ro - Cy,H					
34.6			75		1	2F 70-80 Ro - Cy,H	RO to pBr			MEDIUM/COARSE GRAINED SANDSTONE. MODERATE SILICIFICATION IN PART. UNUSUAL ORANGE HEMATITE - CLAY ALTERATION. PATCHY BLEACHING. SOME STYLOLITES.	PIMA
35					1	3F 60-80 Ro - Cy,H					
			80		2	OF					
37.8	7				1	3F 70-80 Ro - Cy	GyR to pRO			MEDIUM/COARSE GRAINED SANDSTONE. WITH MINOR THIN SILTSTONE BANDS. PATCHY SILICIFICATION. ALTERNATING ORANGE HEMATITISATION, BLEACHING AND DIAGENETIC HEMATITE. A FEW STYLOLITES.	
			75		1	4F 20-80 Ro - Q,Cy					PIMA
40											

AFMECO MINING AND EXPLORATION DIAMOND DRILLHOLE LOG

Hole #: KBW 05 **Page#:** 4/15

Depth (m)	Box #	Core rec %	S_0 / S_1	Geol	Max Gsize	Fractures	Colour	Alteration (C H Si Cy Bl)	Minerals (Q)	Comments	Samp #
	7		75		1	4 F 70-80 Ro - Cy				AS ABOVE	
					1	OF				MINOR SILTSTONE BNDS AT 41.2 AND 41.9m	
42.2					1	2F 20-80 Ro - Cy, H	Ro to pYO			MEDIUM - COARSE GRAINED SANDSTONE. ORANGE HEMATITE - CLAY ALTERATION. MINOR DIAGENETIC HEMATITE AND LIMONITE.	
43.5					1	3F 30-80 Ro - Cy, H					
45					1	6F 25-75 Ro - Q, Cy	GyR to OP			MEDIUM / COARSE GRAINED SANDSTONE. SILICIFIED IN PART. BLEACHED WITH SOME ORANGE AND DIAGENETIC HEMATITE. MINOR CLAY / SILTY LAYER AT 44.1m.	PIMA
45.6	8				1	5F 70-80 Ro - Cy, H					
		100%	80		1	5F 30-80 Ro - Q, H	Ro			MEDIUM / COARSE GRAINED SANDSTONE. ORANGE HEMATITE - CLAY ALTERATION. WEAK LAYERING IN PART.	
47.3					1	OF					
					2	2F 70-80 Ro - Cy					
50					1	1F 75 Ro - Cy	pBr to Ro to PGy			MEDIUM / COARSE GRAINED SANDSTONE. MODERATELY SILICIFIED IN PART. OVERALL DIAGENETIC HEMATITE WITH PATCHES OF BLEACHING AND ORANGE HEMATITE - CLAY ALTERATION. SOME STYLOLITES. MINOR LOAD STRUCTURES.	XRD PIMA
			80		1	3F 60-80 Ro - Cy					
			75		1	4F 70-80 Ro - Cy					
	9				1	4F 70-80 Ro - Cy					
					1	2F 15-60 Ro - Q, Cy					
53.7					1	2F 25-80 Ro - H, Cy	Ro to GyR			MEDIUM GRAINED SANDSTONE. HEMATITIC - DIAGENETIC AND 'ORANGE'. PATCHY WEAK SILICIFICATION. MINOR BLEACHING	PIMA
55			75								

AFMECO MINING AND EXPLORATION DIAMOND DRILLHOLE LOG

Hole #: KBW05 **Page#:** 5/15

Depth (m)	Box #	Core rec %	S_0 / S_1	Geol	Max Gsize	Fractures	Colour	Alteration C H Si Cy Bl	Minerals Q	Comments	Samp #
55.3										AS ABOVE.	
			75		1	1F 20 Ro – Q	GyR to GyOp			MEDIUM/COARSE GRAINED SANDSTONE. DIAGENETIC HEMATITE AND PATCHY ZONES OF BLEACHING. PATCHY WEAK SILICIFICATION. MINOR CLAY CLASTS	
					1	2F 70-80 Ro – Cy					
57.2			?		2	2F 15-65 Ro – Q, Cy	GyR to Br to GyOp			– AS ABOVE – MORE INTENSE DIAGENETIC HEMATITE. MINOR VUGGY QUARTZ FRACTURES/VEINS. A FEW STYLOLITES WITH CLAY. MASSIVE – NO BEDDING.	PIMA
					1	5F 25-80 Ro – Q, Cy					
60					1	1F 80 Ro – Cy					
					1	OF					
					1	OF					
61.9			75		1	3F 30-80 Ro – Q, H	GyR to GyOp			COARSE GRAINED SANDSTONE. MODERATE PATCHY DIAGENETIC HEMATITE WITH SOME BLEACHED ZONES. A FEW STYLOLITES. MINOR VUGGY QUARTZ FRACTURES.	
					1	1F 75 Ro – H, Cy					
65					1	OF					
65.1			?		1	OF	dRBr to GyR			MEDIUM/COARSE GRAINED HEMATITIC SANDSTONE. MODERATE TO STRONG ? DIAGENETIC HEMATITE. V. MINOR PATCHES OF BLEACHING. INTERMITTENT SILICIFICATION – WEAK.	PIMA
					1	2F 70-80 Ro – Cy					
					1	OF					
68.4			75		1	2F 70-80 Ro – Cy	RBr to OP			– AS ABOVE – MORE BLEACHED PATCHES. LESS SILICIFICATION. SOME STYLOLITES AT TOP	PIMA
					1	2F 30 Ro – Q, H					
70											

AFMECO MINING AND EXPLORATION DIAMOND DRILLHOLE LOG — **Hole #:** KBW05 **Page#:** 6/15

Depth (m)	Box #	Core rec %	S_0 / S_1	Geol	Max Gsize	Fractures	Colour	Alteration (C H Si Cy Bl L)	Minerals (Q)	Comments	Samp #
		100			1	2F 30-75 Ro - H				- AS ABOVE -	
71.7	12				1	2F 30-50 Ro - H, Q					
		95	75		1	OF	RBr to YO			MEDIUM/COARSE GRAINED SANDSTONE. HEMATITIC TO LIMONITIC ALTERATION. PATCHY WEAK SILICIFICATION AT THE BOTTOM. FRIABLE WITH LIMONITIC FRACTURES IN PART. A FEW MINOR VUGGY QUARTZ FRACTURES.	PIMA
					1	2F 60-80 Ro - H, L					
75					1	STRONGLY FRACTURED Ro - L					
		80			1	STRONGLY FRACTURED Ro - L					
			75		1	6F 70-80 Ro - L, H					
76.8	13				2	4F 60-80 Ro - H	dRBr to GyR			MEDIUM/COARSE GRAINED SANDSTONE MODERATE TO STRONG HEMATITISATION MINOR PATCHY BLEACHING. ZONE OF FRIABLE SANDSTONE FROM 79.7 - 80.2m.	
		100	80		1	8F 30-80 Ro - Cy, H					
					1	8F 25-80 Ro - H, Q					PIMA
80					1	3F 60-80 Ro - H					
80.4					1	2F 25-80 Ro - Q, H				MEDIUM/COARSE GRAINED SANDSTONE. ALTERNATIONS OF BLEACHING, DIAGEN-ETIC HEMATITE AND ORANGE HEMATITE-CLAY ALTERATION. PATCHY WEAK SILICIFICATION. SOME STYLOLITES.	
	14	100	80		1	3F 60-80 Ro - Cy					
					1	2F 60-80 Ro - Cy					
			80		2	2F 70-80 Ro - Cy					PIMA
85											

AFMECO MINING AND EXPLORATION DIAMOND DRILLHOLE LOG

Hole #: KBW 05 **Page#:** 7/15

Depth (m)	Box #	Core rec %	S_0/S_1	Geol	Max Gsize	Fractures	Colour	Alteration (C H Si Cy Bl L)	Minerals (Q)	Comments	Samp #
	14		75		1	3F 40-80 Ro - L, H				- AS ABOVE -	
					1	1F 70 Ro - H					
86.6					1	2F 70-80 Ro - H	RO to GyK			MEDIUM/COARSE GRAINED SANDSTONE WEAK TO MODERATE DIAGENETIC HEMATITE TO ORANGE HEMATITE-CLAY ALTERATION. SOME STYLOLITES.	
			75		1	4F 30-80 Ro - Q, Cy					
89.7	15				1	1F 80 Ro - Cy					
90					1	3F 25-80 Ro - H, Cy					PIMA
		100%			1	4F 30-80 Ro - H, Cy				MEDIUM/COARSE GRAINED SANDSTONE. PATCHY ALTERNATING WEAK ILLITIC ALTERATION, DIAGENETIC HEMATITE AND ORANGE HEMATITE-CLAY ALTERATION. WEAKLY BANDED IN PART. SOME STYLOLITES - MINOR CLAY ON PARTINGS MINOR VUGGY QUARTZ ON FRACTURES - WITH LIMONITE ? AFTER PYRITE.	
			75		1	4F 25-80 Ro - Cy	GyK to YGy				
					1	4F 70-80 Ro - Cy, H					
95					1	3F 25-75 Ro - Cy, Q					PIMA
			75		1	4F 70-80 Ro - Cy					
95.9	16				1	6F 25-70 Ro - L, Q	GyK to GyOp			MEDIUM/COARSE GRAINED SANDSTONE. ALTERNATIONS OF ILLITIC ALTERATION, DIAGENETIC HEMATITE AND ORANGE HEMATITE -CLAY ALTERATION. SILICIFIED IN PART. MANY GOSSANOUS VUGGY QUARTZ FRACTS AND VEINS. MINOR STYLOLITES.	
			75		1	7F 15-80 Ro - L, Cy					
			80		1	6F 40-80 Ro - Cy, L					
99.4	17				1	5F 70-80 Ro - Cy.				SEE BELOW.	XRD PIMA
100											

AFMECO MINING AND EXPLORATION DIAMOND DRILLHOLE LOG

Hole #: KBW05 **Page#:** 8/15

Depth (m)	Box #	Core rec %	S_0/S_1	Geol	Max Gsize	Fractures	Colour	Alteration C H Si Cy Bl	Minerals Q	Comments	Samp #
103.0	17		75		1	5F 30-80 Ro - Cy,L	GyOP to pRBr			MEDIUM/COARSE GRAINED SANDSTONE. WEAKLY SILICIFIED. WEAK/MODERATE CLAY AND HEMATITE ALTERATION. SOME STYLOLITES WITH CLAY PARTINGS.	
					1	8F 15-80 Ro - Cy,Q					
					1	5F 35-75 Ro - Cy,L					
105			80		1	4F 35-80 Ro - Cy	GyR to GyP			MEDIUM/COARSE GRAINED SANDSTONE. WEAKLY SILICIFIED. WEAK/MODERATE DIAGENETIC HEMATITE AND CLAY ALTERATION PATCHY BLEACHING. SOME STYLOLITES.	PIMA
105.2					1	OF					
		100%	75		1	2F 15-80 Ro - Q,H	dRBr to OP			MEDIUM/COARSE GRAINED HEMATITIC SANDSTONE. PATCHY WEAK BLEACHING. A FEW MINOR STYLOLITES.	
					1	4F 20-75 Ro - Q,H					
					1	OF					
107.9	18		75		1	5F 10-80 Ro - Cy,L	OP to LBr			MEDIUM/COARSE GRAINED SANDSTONE. ORANGE CLAY-HEMATITE ALTERATION. LIMONITE ? AFTER PYRITE ON FRACTURES.	
109.5					1	8F 10-80 Ro - Cy-L					
110			75		1	5F 60-80 Ro - Cy,H	GyR to GyOP			BANDED MEDIUM/COARSE GRAINED SANDSTONE ALTERNATIONS OF DIAGENETIC HEMATITE CLAY ALTERATION AND PATCHY BLEACHING. SOME MINOR VUGGY QUARTZ FRACTURES/VEINS WITH LIMONITE ? AFTER PYRITE. A FEW STYLOLITES.	PIMA
					1	3F 30-80 Ro - Cy,L					
	19				1	3F 30-80 Ro - Cy,L					
113.9			75		1	3F 30-80 Ro - Cy,L					
					1	2F 60-80 Ro - Cy				SEE BELOW	
115											PIMA

AFMECO MINING AND EXPLORATION DIAMOND DRILLHOLE LOG

Hole #: KBW05 **Page#:** 9/15

Depth (m)	Box #	Core rec %	S_0/S_1	Geol	Max Gsize	Fractures	Colour	Alteration C H Si Cy	Minerals Q	Comments	Samp #
115.9	19		75		1	4F 30-80 Ro - L, Cy	PGy GyR			BANDED MEDIUM/COARSE GRAINED SANDSTONE. ILLITIC WITH PATCHY DIAGENETIC HEMATITE.	
			75		1	1F 30 Ro - Q, L	GyR to GyOP			MEDIUM/COARSE GRAINED SANDSTONE. BANDED IN PART. ILLITIC AND HEMATITIC - DIAGENETIC IN PART. A FEW SMALL PEBBLES 2-6 mm IN BOTTOM PART. A FEW STYLOLITES WITH HEMATITE.	
					1	OF					
					1	OF					
119.6					5	2F 60-80 Ro - Cy					
120	20		70		20	2F 60-80 Ro - Cy	RBr to GyOP			MEDIUM/COARSE GRAINED PEBBLY SANDSTONE. BANDS OF GRAVEL AND PEBBLES (SUBROUNDED) TO 20 mm HEMATITIC - DIAGENETIC AND ALTERATION WITH WEAK ILLITE.	PIMA
					8	1F 75 Ro - Cy					
122.2		100%			14	OF	GyOP to GyR			SANDY CONGLOMERATE. GRAVELLY COARSE SANDSTONE WITH PEBBLES. A FEW IRREGULAR SILTSTONE AND CLAY CLASTS.	
					18	2F 60-80 Ro - Cy, H					
123.8					6	OF	GyR to GyOP			MEDIUM/COARSE GRAINED PEBBLY SANDSTONE WITH SOME SANDY CONGLOMERATE BANDS. GRAVELLY IN PART. DIAGENETIC HEMATITE AND SOME CLAY. A FEW IRREGULAR CLAY-SILTSTONE CLASTS.	
125	21				10	OF					PIMA
					8	1F 75 Ro - Cy, H					
					14	1F 80 Ro - Cy					
128.0					10	OF	GyP			MEDIUM/COARSE GRAINED SANDSTONE WITH MINOR GRAVEL/PEBBLES.	
129.0	22				10	1F 80 Ro - Cy	GyR GyP			MEDIUM/COARSE GRAINED PEBBLY SANDSTONE. DIAGENETIC HEMATITE AND CLAY.	PIMA
130											

AFMECO MINING AND EXPLORATION DIAMOND DRILLHOLE LOG

Hole #: KBW05 **Page#:** 10/15

Depth (m)	Box #	Core rec %	S_0/S_1	Geol	Max Gsize	Fractures	Colour	Alteration C H Si Cy	Minerals Q	Comments	Samp #
130.8					20	0 F				AS ABOVE	
			80		12	2F 60-80 Ro - H, Cy	GyR to GyOP			MEDIUM/COARSE GRAINED GRAVELLY SANDSTONE WITH SOME PEBBLE BANDS. WEAK DIAGENETIC HEMATITE AND CLAY ALTERATION. SOME STYLOLITES.	
132.7					12	3F 60-80 Ro - Cy, H					
			75		16	1F 65 Ro - Cy	GyOP to GyR.			MEDIUM/COARSE GRAINED GRAVELLY SANDSTONE TO SANDY CONGLOMERATE. WEAK CLAY ALTERATION AND DIAGENETIC HEMATITE. A FEW SILTSTONE/CLAY CLASTS. MINOR LIMONITIC FRACTURES.	PIMA
135					20	3F 60-80 Ro - Cy, L					
					20	2F 25-35 Ro - L					
136.3					12	1F 75 Ro - Cy	GyR to GyOP			SANDY CONGLOMERATE. HEMATITIC IN PART. A FEW SILTSTONE/CLAY CLASTS. SHARP BASAL CONTACT.	
					22	1F 80 Ro - Cy					
138.0			75		15	2F 60-80 Ro - Cy	GyOP			MEDIUM/COARSE GRAINED SANDSTONE WITH SOME PEBBLES/GRAVEL. CLAY ALTERED WITH V. WEAK HEMATITE.	
139.3			75		15	3F 40-50 Ro - Cy, L	GyR			SANDY CONGLOMERATE. HEMATITIC. SHARP BOTTOM CONTACT.	PIMA
140											
140.3			80		25	1F 65 Ro - H, Cy	GyOP to GyR			MEDIUM/COARSE GRAINED SANDSTONE WITH SOME PEBBLE/GRAVEL BANDS. HEMATITIC IN PART. WEAK CLAY ALTERATION. MINOR LIMONITIC FRACTURING.	
					10	4F 30-80 Ro - Cy, H					
142.7			75		6	3F 10-80 Ro - L, Cy					
			75		12	2F 20-80 Ro - L, Cy	OP			MEDIUM/COARSE GRAINED GRAVELLY SANDSTONE WITH SOME PEBBLE BANDS. WEAK HEMATITE AND CLAY ALTERATION. SOME SILTSTONE AND CLAY CLASTS. MINOR LIMONITIC FRACTS.	
144.6					6	3F 10-70 Ro - L, Cy				SEE BELOW	PIMA
145											

AFMECO MINING AND EXPLORATION DIAMOND DRILLHOLE LOG

Hole #: KBW05 Page#: 11/15

Depth (m)	Box #	Core rec %	S_0/S_1	Geol	Max Gsize	Fractures	Colour	Alteration C H Si Cy L	Minerals Q	Comments	Samp #
145·8					12	4F 30-80 Ro-H,L	GyR			HEMATITIC SANDY CONGLOMERATE. MINOR LIMONITIC FRACTURES.	
			75		10	2F 30-50 Ro-L	GyOP to dYO			MEDIUM/COARSE GRAINED SANDSTONE WITH SOME GRAVEL BANDS. WEAK LIMONITE/CLAY.	
146·8	25		75		12	2F 60-80 Ro-Cy	GyR to GyOP			SANDY CONGLOMERATE WITH BANDS OF MEDIUM/COARSE GRAINED SANDSTONE. A FEW SILTSTONE/CLAY CLASTS. WEAK HEMATITE (DIAGENETIC + ALTERATION) AND CLAY ALTERATION. A FEW MINOR LIMONITIC FRACTURES.	
					8	3F 60-80 Ro-Cy					
150					10	2F 20-80 Ro-L,Cy					
					25	0F					
		100%	75		27	1F 65 Ro-Cy					
					16	0F					
153·5	26				15	0F					
			80		6	1F 75 Ro-Cy	GyOP to R			MEDIUM/COARSE GRAINED TO GRAVELLY SANDSTONE. WEAK CLAY AND HEMATITE.	
154·6											
155			75		4	1F 75 Ko-Cy	pR to GyR			BANDED MEDIUM/COARSE GRAINED SANDSTONE WITH SOME GRAVEL BANDS. WEAKLY HEMATITIC - DIAGENETIC AND ALTERATION. WEAK CLAY ALTERATION.	
					2	5F 50-80 Ro-Cy,L					
158·7					1	2F 30-80 Ro-L,Cy	pYBr to YGy			MEDIUM/COARSE GRAINED SANDSTONE. MINOR GRAVEL BAND NEAR BOTTOM. ILLITISED. NO BASAL CONGLOMERATE.	
158·3	27		75		6	1F 75 Ko-Cy	GyR to YO			NIMBUWAH COMPLEX HEMATISED GRANITE. COARSE EQUIGRANULAR. SHEARED IN PART. 5cm WIDE ? SHEAR ZONE AT UNCONFORMITY. ? PALAEOWEATHERED	U/C
					5	3F 60-80 Ro-H					
160											

AFMECO MINING AND EXPLORATION DIAMOND DRILLHOLE LOG

Hole #: KBW 05 **Page#:** 12/15

Depth (m)	Box #	Core rec %	S_0 / S_1	Geol	Max Gsize	Fractures	Colour	Alteration (C H Si Cy Ab Se)	Minerals (Q)	Comments	Samp #
	27			+ + +		1F 80 R_0 – H				– AS ABOVE –	
161.1				~ + + ~ + ~		22F 50-80 R_0 – C_1Cy	YGy to GyR			ALTERED AND SHEARED GRANITE GNEISS. MODERATE ILLITE/CHLORITE AND HEMATITIC ALTERATION – POSSIBLY PALAEO WEATHERING. SOME CHLORITIC/SERICITIC SHEAR ZONES A FEW MINOR ALTERED PEGMATITE VEINS POSSIBLY PALAEOWEATHERED.	
	28			+ ~ ~ +							
165				~ +							
166.7		100%		~ + + ~ ~ +		4 F 30-60 R_0 – H_1C	GyR to GnGy			ALTERED GRANITE GNEISS. SHEARED IN PART. WEAK/MODERATE CHLORITE AND HEMATITE ALTERATION.	
168.1	29			+ + + +		8 F 30-80 R_0 Sm – C	R0 to LOLGy			ALTERED GRANITE. MEDIUM GRAINED. MODERATE ALBITIC AND WEAK CHLORITIC ALTERATION IN PART. SOME SHEARING. WEAK GNEISS TEXTURE IN PART.	
170											
171.3				+ ~ ~ + + ~ ~ +		5 F 25-80 R_0 – C_1H	GnGy			FRESH TO WEAKLY ALTERED GRANITE GNEISS MEDIUM GRAINED. MODERATE SERICITIC ALTERATION OF FELDSPAR. A FEW MINOR CHLORITE – CALCITE VEINLETS.	
173.4	30			+ ~ ~ + + ~		4F 25-80 R_0 Sm – C	R0 to dGnGy			ALTERED GRANITE GNEISS. MODERATE ALBITIC ALTERATION. BIOTITIC PATCHES IN PART. MEDIUM GRAINED. SHEARED IN PART.	
175											

AFMECO MINING AND EXPLORATION DIAMOND DRILLHOLE LOG

Hole #: KBW05 **Page#:** 13/15

Depth (m)	Box #	Core rec %	S_0 / S_1	Geol	Max Gsize	Fractures	Colour	Alteration C H Si Cy Ab Se	Minerals Q	Comments	Samp #
				+ ~ ~ +						– AS ABOVE –	
176.0	30			+ + +		4F 70-80 Ro-H	clBr to dGnGy			SHEARED, ALTERED GRANITE GNEISS. 3cm WIDE HEMATITE FILLED SHEAR AT 176.4m 70° TO CORE. MINOR PORPHYROBLASTIC GRANITE.	
177.2				+ +		0F	GyO			PORPHYROBLASTIC GRANITE. K FELDSPAR TO 30mm. WEAK ALBITIC ALTERATION.	
178.0				+ ~ ~ + + ~		4F 25-75 Ro-C	GyOP to GnGy			GRANITE GNEISS. MEDIUM GRAINED. BIOTITE-RICH IN PART. WEAK SERICITIC ALTERATION OF FELDSPAR. WEAKLY ALBITIC.	
179.6											
180	31	100%		+ + + + + +		2F 20-30 Ro,Ss-C,Ca	GnGy to GyOP			PORPHYROBLASTIC GRANITE. MEDIUM TO COARSE GRAINED GROUNDMASS WITH LARGE K-FELDSPAR PORPHYROBLASTS >20mm. PLAGIOCLASE IS SERICITISED. APPEARS TO INTRUDE THE GRANITE GNEISS.	
182.9				~ + + ~ ~ + + ~		5F 25-80 Ro-C,Ca	RO to GnGy			ALTERED GRANITE GNEISS. ALBITIC WITH MINOR SERICITE ALTERATION OF PLAGIOCLASE. SOME BIOTITE-RICH PATCHES. MINOR CHLORITIC VEINS/FRACTURES.	
184.9											
185	32			+ + + + + +		11F 25-70 Ro-C,Ca	RO to GnGy			PORPHYROBLASTIC GRANITE. MINOR PEGMATITE AT 185.5m. PERVASIVE SERICITIC ALTERATION OF PLAGIOCLASE. PATCHY MODERATE ALBITIC ALTERATION. WEAK CHLORITIC ALTERATION AT TOP WITH SOME LEUCOXENE ? AFTER SPHENE.	
189.35	33			+ ~						SEE BELOW	
190											

AFMECO MINING AND EXPLORATION DIAMOND DRILLHOLE LOG

Hole #: KUN 05 **Page#:** 14 /15

Depth (m)	Box #	Core rec %	S_0 / S_1	Geol	Max Gsize	Fractures	Colour	Alteration (C H Si Cy Ab Se)	Minerals (Q)	Comments	Samp #
190.9				+ ~ / ~ +		2F 35-50 Ro - C_1 Ca	Gn Gy / Gy Op			ALTERED GRANITE GNEISS WITH SOME GRANITIC VEINS. ALBITISED. SERICITISED PLAGIOCLASE	
191.8	33			+ / +		2F 35-50 Ro - C_1 Ca	RBr / dYBr			ALTERED ? GRANITE. ALBITISED AND CHLORITISED IN PART. MINOR CHLORITE/CARB VEINS.	
194.4				+ ~ / ~ + / + / ~ X + / ~ / + / ~		15F 25-75 Ro - C_1 Ca,H	Gy Op to dRBr to dGn Gy			ALTERED AND SHEARED GRANITE GNEISS. MODERATE PATCHY HEMATITIC AND CHLORITIC ALTERATION. SOME IRREGULAR HEMATITE AND CHLORITE - CARBONATE VEINS.	
195				~ + / + ~ / ~ +		3F 60-80 Ro - C_1 Ca	RO to dYBr			ALTERED GRANITE GNEISS. ALBITISED AND WEAKLY CHLORITISED IN PART. SOME LEUCOXENE AFTER SPHENE. A FEW CARBONATE VEINLETS	
195.6				+ / ~ / ~ X + / + X ~ / ~ / + /		10F 40-75 Ro, Sm - H, Se Ca	RBr to Gn Gy			ALTERED AND SHEARED GRANITE GNEISS. BRECCIATED IN PART. HEMATITIC. WEAK PATCHY CHLORITIC / SERICITIC ALTERATION. HEMATITE SHEARS AND VEINS. MINOR CARB VNS	
197.4	34	100%		+ / + ~ / + ~ +		2F 30-70 Ro - C_1 H	RO to Gn Gy			ALTERED PORPHYROBLASTIC GRANITE WITH SOME ALTERED GRANITE GNEISS AT BOTTOM. HEMATITIC AND CHLORITIC AT TOP — BECOMES ALBITIC AND SERICITIC DOWNWARDS.	
199.5				+ / + / + / +		8F 60-80 Ro - C_a, C	Ro to Gn Gy			ALTERED PORPHYROBLASTIC GRANITE. ALBITISED, SOME SERICITISED PLAGIOCLASE. MINOR PEGMATITIC ZONE AT 200.5m. A FEW CALCITE VEINLETS.	
200											
202.2	35			~ + / + ~ / ~ + / + ~		7F 60-80 Ro - C_1 Ca	Gy Op to dGn Gy			ALTERED GRANITE GNEISS. SHEARED IN PART. WEAKLY ALBITISED. SERICITISED PLAGIOCLASE. SHEARED 202.5 - 203.0 WITH CHLORITE / HEMATITE ALTERATION.	
204.0				+ / +		3F 60-80 Ro - C_1 Ca	RO to RBr			ALTERED PORPHYROBLASTIC GRANITE. MINOR SHEARING. ALBITIC. WEAK CHLORITE + HEMATITE.	
205											

AFMECO MINING AND EXPLORATION DIAMOND DRILLHOLE LOG

Hole #: KUN 05 **Page#:** 15/15

Depth (m)	Box #	Core rec %	S_0/S_1	Geol	Max Gsize	Fractures	Colour	Alteration C H Si Cy Ab Se	Minerals Q	Comments	Samp #
				+						AS ABOVE	
205.2				+ +		2F 60-80 Ro - C	PYB			ALTERED ?APLITE/GRANITE GNEISS · MEDIUM GRAINED.	
205.8				+ + +		3F 30-50 Ro - C,Ca	Ro to GyOr			ALTERED PORPHYROBLASTIC GRANITE · ALBITISED. PATCHY CHLORITISATION. PEGMATITE ZONE AT 206.1 m · A FEW MINOR CHLORITE/CARB VEINS.	
207.1	36	100%		+ +		OF	Ro			ALTERED ?APLITE/GRANITE GNEISS · ALBITISED.	
207.8				+ + +		OF	Ro to GnGy			ALTERED PORPHYROBLASTIC GRANITE · ALBITISED · PLAGIOCLASE SERICITISED. K-FELDSPAR PORPHYROBLASTS TO 25 mm.	
209.5										EASTMAN CAMERA SURVEYS 50.0 m −78° 174°M 100.0 m −78° 177°M 158.0 m −77.5° 178°M 200.0 m −78° 180°M	