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Laboratory Data Report

Client Information

Anglo Gold Ashanti
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Attention: Mr. Trevor Burr

Data-File Information

Date: May 12, 2017

Project name:

ODM batch number: 7455

Sample numbers: 863537, 543, 544, 547, 548, 557 and 566

Data file: 20177455 - Anglo Gold Ashanti - Burr - (7 for KIMs) - April 2017

Number of samples in this report: 7 (selected for KIMs)

Number of samples processed to date: 54

Total number of samples in project: 122

Preliminary data:

Final data:

Revised data:

X

Sample Processing Specifications: Gold, HMC, -0.063 mm and KIMs.

1. Submitted by client: Glacial till samples. Larger clasts removed by hand in the field.
2. One ± 500 g archival split taken from each sample and sieved to 0.063 mm.
3. All samples panned for gold, PGMs and fine-grained metallic indicator minerals.
4. Heavy liquid separation specific gravity: 3.20.
5. 0.25-2.0 mm nonferromagnetic heavy mineral fraction picked for indicator minerals.

Notes

Remy Huneault, P.Geo.
President

Primary Sample Processing Weights and Descriptions

Client: Anglo Gold Ashanti

File Name: 20177455 - Anglo Gold Ashanti - Burr - (7 for KIMs) - April 2017

Total Number of Samples in this Report: 7

ODM Batch Number(s): 7455

Weight (kg wet)						Screening and Shaking Table Sample Descriptions													Class
						Clasts (+2.0 mm)*					Matrix (-2.0 mm)					Colour			
Sample Number	Bulk Rec'd	Archived Split	Table Split	+2.0 mm Clasts*	Table Feed	Size	Percentage				Distribution				Colour				
							V/S	GR	LS	OT	S/U	SD	ST	CY	ORG	SD	CY		
863537	5.3	0.5	4.8	1.7	3.1	C	95	5	0	0	U	-	+	Y	N	GY	GY	TILL	
863543	38.0	0.5	37.5	12.1	25.4	C	90	10	0	0	U	-	+	Y	N	GY	GY	TILL	
863544	19.3	0.5	18.8	8.7	10.1	C	100	Tr	0	0	U	-	+	Y	N	GG	GG	TILL	
863547	27.2	0.5	26.7	9.1	17.6	C	70	30	0	0	U	-	+	Y	N	GY	GY	TILL	
863548	25.7	0.5	25.2	10.7	14.5	C	70	30	0	0	U	-	+	Y	N	GB	GB	TILL	
863557	12.6	0.5	12.1	2.5	9.6	C	100	Tr	0	0	U	-	+	Y	N	GY	GY	TILL	
863566	5.3	0.5	4.8	2.0	2.8	C	100	Tr	0	0	U	-	+	Y	N	GY	GY	TILL	

*Larger clasts removed by hand in the field.

Gold Grain Summary

Client: Anglo Gold Ashanti

File Name: 20177455 - Anglo Gold Ashanti - Burr - (7 for KIMs) - April 2017

Total Number of Samples in this Report: 7

ODM Batch Number(s): 7455

Sample Number	Number of Visible Gold Grains				Nonmag HMC Weight (g)*	Calculated PPB Visible Gold in HMC			
	Total	Reshaped	Modified	Pristine		Total	Reshaped	Modified	Pristine
863537	0	0	0	0	12.4	0	0	0	0
863543	18	17	0	1	101.6	489	489	0	<1
863544	6	2	3	1	40.4	21	18	3	<1
863547	8	5	3	0	70.4	74	73	1	0
863548	4	3	1	0	58.0	28	18	10	0
863557	2	2	0	0	38.4	4	4	0	0
863566	0	0	0	0	11.2	0	0	0	0

* Calculated PPB Au based on assumed nonmagnetic HMC weight equivalent to 1/250th of the table feed.

Detailed Gold Grain Data

Client: Anglo Gold Ashanti

File Name: 20177455 - Anglo Gold Ashanti - Burr - (7 for KIMs) - April 2017

Total Number of Samples in this Report: 7

ODM Batch Number(s): 7455

Sample Number	Dimensions (µm)			Number of Visible Gold Grains				Nonmag HMC Weight* (g)	Calculated V.G. Assay in HMC (ppb)	Metallic Minerals in Pan Concentrate	
	Thickness	Width	Length	Reshaped	Modified	Pristine	Total				
863537	No Visible Gold										~1% pyrite (25-250µm).
863543	5	C	25	25	2		1	3	1	~100 grains copper (50-250µm).	
	8	C	25	50	3			3	2	~500 grains galena (50-500µm).	
	10	C	50	50	2			2	4	~5% pyrite (25-1000µm).	
	13	C	50	75	1			1	4		
	15	C	50	100	1			1	6		
	15	C	75	75	1			1	6		
	18	C	75	100	2			2	19		
	20	C	75	125	2			2	28		
	27	C	100	175	1			1	35		
	34	C	100	250	1			1	62		
	50	M	250	350	1			1	323		
							18	101.6	489		
863544	3	C	15	15			1	1	<1	~1000 grains galena (50-500µm).	
	5	C	25	25		2		2	1	~5% pyrite (25-500µm).	
	8	C	25	50	1	1		2	4		
	15	C	75	75	1			1	16		
							6	40.4	21		
863547	3	C	15	15	1	2		3	<1	~100 grains galena (25-250µm).	
	8	C	25	50		1		1	1	~10 grains arsenopyrite (100-250µm).	
	13	C	50	75	1			1	5	~5% pyrite (25-500µm).	
	15	C	50	100	1			1	8		
	15	C	75	75	1			1	9		
	27	C	100	175	1			1	50		
							8	70.4	74		
863548	5	C	25	25	2			2	1	~500 grains copper (50-500µm).	
	15	C	50	100		1		1	10	~3% pyrite (25-500µm).	
	18	C	75	100	1			1	17		
							4	58.0	28		
863557	3	C	15	15	1			1	<1	~10 grains arsenopyrite (100-250µm).	
	10	C	25	75	1			1	4	~3% pyrite (25-250µm).	
							2	38.4	4		
863566	No Visible Gold										~0.5% pyrite (25-150µm).

* Calculated PPB Au based on assumed nonmagnetic HMC weight equivalent to 1/250th of the table feed.

Laboratory Processing Weights

Client: Anglo Gold Ashanti

File Name: 20177455 - Anglo Gold Ashanti - Burr - (7 for KIMs) - April 2017

Total Number of Samples in this Report: 7

ODM Batch Number(s): 7455

Sample Number	Weight of -2.0 mm Table Concentrate (g)												
	0.25 to 2.0 mm Heavy Liquid Separation S.G. 3.20												
	HMC S.G.>3.20												
	Nonferromagnetic HMC												
	Processed Split												
	Total												
	Total	-0.25 mm	Total	Lights S.G. <3.2	Total	-0.25 mm (wash)	Mag	Total	%	Weight	0.25 to 0.5 mm	0.5 to 1.0 mm	1.0 to 2.0 mm
863537	457.2	231.9	225.3	222.5	2.8	0.3	0.3	2.2	100	2.2	1.5	0.6	0.1
863543	1413.0	1010.0	403.0	336.5	66.5	5.5	4.7	56.3	100	56.3	34.4	17.4	4.5
863544	891.9	565.2	326.7	320.2	6.5	1.1	0.1	5.3	100	5.3	3.1	1.7	0.5
863547	1176.5	841.6	334.9	298.3	36.6	3.0	4.4	29.2	100	29.2	18.4	8.9	1.9
863548	1163.6	898.4	265.2	231.7	33.5	3.6	2.8	27.1	100	27.1	17.3	8.1	1.7
863557	997.3	804.8	192.5	181.4	11.1	2.5	1.1	7.5	100	7.5	5.4	1.8	0.3
863566	553.7	450.9	102.8	92.3	10.5	1.6	0.4	8.5	100	8.5	5.8	2.0	0.7

-0.25 mm Heavy Mineral Processing Weights

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ODM Batch Number(s): 7455

Sample Number	-0.25 mm Table Concentrate Weight (g)							
	Heavy Liquid Separation S.G. 3.20							
	Total	Lights*	HMC					
			-0.25 mm nonferromagnetic HMC					
			Total	Mag	Total	Excess	Analytical Split	
							INA	ICP
863537	231.9	152.0	1.5	0.3	1.2	0.0	1.2	NA
863543	1010.0	96.3	79.1	12.4	66.7	0.0	61.7	5.0
863544	565.2	89.2	12.7	0.9	11.8	0.0	8.8	3.0
863547	841.6	95.3	38.1	6.9	31.2	0.0	26.2	5.0
863548	898.4	101.7	39.5	7.2	32.3	0.0	27.3	5.0
863557	804.8	70.3	24.2	7.0	17.2	0.0	12.2	5.0
863566	450.9	53.2	8.7	1.9	6.8	0.0	4.8	2.0

*The -0.25 mm table concentrate fractions were further concentrated by re-tabling before heavy liquid separation. The heavy liquid lights fraction weights include the -0.25 mm table reject fraction.

-0.063 mm Clay-Silt Fraction Weights

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Total Number of Samples in this Report: 7

ODM Batch Number(s): 7455

Sample Number	Archival Split Weight (g)				
	Total	Excess	Sieved Split		
			Total	+0.063 mm	-0.063 mm
863537	395.5	0.0	395.5	322.4	73.1
863543	473.2	0.0	473.2	404.0	69.2
863544	472.9	0.0	472.9	364.4	108.5
863547	492.3	0.0	492.3	382.8	109.5
863548	509.6	0.0	509.6	420.4	89.2
863557	456.2	0.0	456.2	298.1	158.1
863566	453.2	0.0	453.2	370.0	83.2

Kimberlite Indicator Mineral Counts

Client: Anglo Gold Ashanti
 File Name: 20177455 - Anglo Gold Ashanti - Burr - (7 for KIMs) - April 2017
 Total Number of Samples in this Report: 7
 ODM Batch Number(s): 7455

ODM Batch Number(s): 7455																																																	
Number of Grains																																																	
Sample Number	Selected MMSIMs												KIMs																								Total (KIMs)												
	1.0 to 2.0 mm						0.25 to 0.5 mm						1.0 to 2.0 mm												0.5 to 1.0 mm													0.25 to 0.5 mm											
	Low-Cr diopside		Cpy		Gh		Low-Cr diopside		Cpy		Gh		GP		DC		IM		CR		FO		GP		DC		IM		CR		FO		GP		DC			IM		CR		FO							
T	P	T	P	T	P	T	P	T	P	T	P	T	P	T	P	T	P	T	P	T	P	T	P	T	P	T	P	T	P	T	P	T	P	T	P	T	P	T	P	T	P	T	P	T	P				
863537	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2			
863543	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2			
863544	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7			
863547	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7			
863548	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5			
863557	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3			
863568	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			

T = Total number of grains in sample. Total is estimated if number is greater than number of picked grains.

P = Number of picked grains in sample.

Kimberlite Indicator Mineral Remarks

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Sample Number	Remarks
863537	Almandine-siderite-hornblende-augite/epidote-marcasite assemblage. SEM checks from 0.25-0.5 mm fraction: 1 well-worn second cycle GP versus zircon candidate = 1 GP; and 2 GO versus grossular candidates = 1 GO (Cr-poor pyrope) and 1 grossular.
863543	Hornblende-almandine-siderite/marcasite-epidote assemblage. SEM checks from 0.25-0.5 mm fraction: 1 GO versus grossular candidate = 1 grossular; 1 IM versus crustal ilmenite candidate = 1 crustal ilmenite; and 2 blue-green gahnite versus spinel candidates = 1 gahnite and 1 spinel. Also picked 1 molybdenite from 0.25-0.5 mm fraction.
863544	Siderite-hornblende-almandine/marcasite assemblage.
863547	Almandine-siderite-hornblende/marcasite-epidote-staurolite assemblage.
863548	Almandine-siderite-hornblende/epidote-marcasite-staurolite assemblage.
863557	Augite-siderite-almandine/marcasite-diopside-epidote assemblage.
863566	Augite-almandine-hornblende/epidote-staurolite assemblage.