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Laboratory Data Report

Client Information

Anglo Gold Ashanti
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Attention: Mr. Trevor Burr

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Data-File Information

Date: May 20, 2017
Project name:

ODM batch number: 7437, 7455, 7472
863501 to 863505, 863510 to 863515 and 863517 to 863526,
863537, 543, 544, 547, 548, 557 and 566, 863584, 588, 599, 624,
628 and 632
Sample numbers:
Data file: 20177455 - Anglo Gold Ashanti - Burr - (KIMs) - April 2017

Number of samples in this report: 34 (selected for KIMs)
Number of samples processed to date: 34
Total number of samples in project: 34

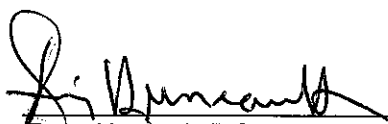
Preliminary data:
Final data:
Revised data:

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 kimberlite 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 - (KIMS) - April 2017

Total Number of Samples in this Report: 34

ODM Batch Number(s): 7437, 7455, 7472

Sample Number	Weight (kg wet)					Screening and Shaking Table Sample Descriptions													Class
						Clasts (+2.0 mm)*					Matrix (-2.0 mm)					Colour			
											Distribution								
	Bulk Rec'd	Archived Split	Table Split	+2.0 mm Clasts*	Table Feed	Size	Percentage				S/U	SD	ST	CY	ORG	SD	CY		
V/S							GR	LS	OT										
863501	21.0	0.5	20.5	1.2	19.3	P	10	30	60	0	U	Y	+	Y	N	BE	BE	TILL	
863502	22.5	0.5	22.0	1.0	21.0	P	20	40	40	0	U	Y	+	Y	N	BE	BE	TILL	
863503	12.3	0.5	11.8	1.1	10.7	P	30	30	40	0	U	Y	+	Y	N	BE	BE	TILL	
863504	17.1	0.5	16.6	4.3	12.3	C	60	40	0	0	U	Y	Y	Y	N	GB	GB	TILL	
863505	28.9	0.5	28.4	14.4	14.0	C	70	30	Tr	0	U	Y	+	+	N	GB	GB	TILL	
863510	15.4	0.5	14.9	6.6	8.3	C	90	10	0	0	U	Y	-	+	N	GG	GG	TILL	
863511	32.0	0.5	31.5	2.2	29.3	P	20	10	70	0	U	Y	+	Y	N	BE	BE	TILL	
863512	20.4	0.5	19.9	0.7	19.2	P	40	20	40	0	U	Y	+	Y	N	BE	BE	TILL	
863513	18.3	0.5	17.8	0.3	17.5	P	10	10	80	0	U	-	+	Y	N	BE	BE	TILL	
863514	12.9	0.5	12.4	1.7	10.7	C	10	90	0	0	U	Y	+	Y	N	BE	BE	TILL	
863515	22.5	0.5	22.0	7.5	14.5	C	40	60	0	0	U	Y	Y	Y	N	GG	GG	TILL	
863517	22.0	0.5	21.5	0.8	20.7	P	25	50	25	0	U	Y	+	Y	N	BE	BE	TILL	
863518	20.6	0.5	20.1	0.6	19.5	P	30	60	10	0	U	-	+	Y	N	BE	BE	TILL	
863519	22.9	0.5	22.4	0.6	21.8	P	55	40	5	0	U	-	+	Y	N	BE	BE	TILL	
863520	11.3	0.5	10.8	0.0	10.8	No Clasts					S	F	+	Y	N	BE	BE	SAND + SILT	
863521	9.7	0.5	9.2	0.0	9.2	No Clasts					S	F	+	Y	N	BE	BE		
863522	6.1	0.5	5.6	0.9	4.7	C	5	95	0	0	U	Y	+	Y	N	BE	BE	TILL	
863523	9.5	0.5	9.0	4.8	4.2	C	95	0	0	5	U	Y	Y	Y	N	GG	GG	TILL	
863524	10.6	0.5	10.1	4.8	5.3	C	80	15	0	5	U	Y	Y	Y	N	GG	GG	TILL	
863525	7.4	0.5	6.9	4.2	2.7	C	80	10	0	10	U	Y	Y	Y	N	GG	GG	TILL	
863526	10.5	0.5	10.0	3.9	6.1	C	100	Tr	0	0	U	Y	Y	Y	N	GN	GN	TILL	
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	
863584	26.6	0.5	26.1	9.0	17.1	C	70	30	0	0	U	+	Y	-	N	GB	GB	TILL	
863588	26.4	0.5	25.9	10.1	15.8	C	70	30	0	0	U	+	Y	-	N	GB	GB	TILL	
863599	22.3	0.5	21.8	6.9	14.9	C	70	30	0	0	U	+	Y	-	N	GB	GB	TILL	
863624	36.3	0.5	35.8	14.0	21.8	C	30	70	0	0	U	Y	+	-	N	GB	GB	TILL	
863628	21.9	0.5	21.4	5.2	16.2	C	30	70	0	0	U	Y	Y	Y	N	GB	GB	TILL	
863632	39.8	0.5	39.3	13.5	25.8	C	70	30	0	0	U	+	Y	-	N	GB	GB	TILL	

*Larger clasts removed by hand in the field.

**Samples listed as "other" are quartz.

Gold Grain Summary

Client: Anglo Gold Ashanti

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

Total Number of Samples in this Report: 34

ODM Batch Number(s): 7437, 7455, 7472

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
863501	3	2	1	0	77.2	5	3	2	0
863502	7	5	2	0	84.0	13	6	7	0
863503	4	4	0	0	42.8	138	138	0	0
863504	1	0	0	1	49.2	<1	0	0	<1
863505	1	0	0	1	56.0	3	0	0	3
863510	0	0	0	0	33.2	0	0	0	0
863511	12	11	1	0	117.2	13	10	3	0
863512	6	5	1	0	76.8	7	5	3	0
863513	1	1	0	0	70.0	3	3	0	0
863514	1	1	0	0	42.8	<1	<1	0	0
863515	2	2	0	0	58.0	28	28	0	0
863517	3	3	0	0	82.8	<1	<1	0	0
863518	0	0	0	0	78.0	0	0	0	0
863519	0	0	0	0	87.2	0	0	0	0
863520	1	0	1	0	43.2	6	0	6	0
863521	0	0	0	0	36.8	0	0	0	0
863522	0	0	0	0	18.8	0	0	0	0
863523	0	0	0	0	16.8	0	0	0	0
863524	0	0	0	0	21.2	0	0	0	0
863525	0	0	0	0	10.8	0	0	0	0
863526	0	0	0	0	24.4	0	0	0	0
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
863584	6	5	1	0	68.4	2638	2638	<1	0
863588	3	1	1	1	63.2	9	3	6	<1
863599	3	3	0	0	59.6	15	15	0	0
863624	11	9	2	0	87.2	72	64	8	0
863628	2	1	1	0	64.8	22	22	<1	0
863632	8	5	1	2	103.2	256	250	6	<1

* 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 - (KIMs) - April 2017

Total Number of Samples in this Report: 34

ODM Batch Number(s): 7437, 7455, 7472

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			
863501	5	C	25	25	1		1		<1	~1% pyrite (25-1000µm).
	10	C	50	50	1	1	2		5	~0.5% marcasite (25-1000µm).
							3	77.2	5	
863502	5	C	25	25	1		1		<1	1 grain copper (100µm).
	8	C	25	50	2		2		2	6 grains galena (50-75µm).
	10	C	25	75	1		1		2	~1% pyrite (25-1000µm).
	10	C	50	50	1	1	2		5	~0.5% marcasite (25-75µm).
	13	C	50	75		1	1		4	
							7	84.0	13	
863503	5	C	25	25	1		1		1	5 grains copper (75-400µm).
	15	C	50	100	1		1		13	1 grain arsenopyrite (75µm).
	20	C	100	100	1		1		35	~1% pyrite (25-1000µm).
	27	C	125	150	1		1		89	~0.5% marcasite (25-75µm).
							4	42.8	138	
863504	3	C	15	15			1		<1	~0.5% pyrite (25-1000µm).
							1	49.2	0	~1000 grains marcasite (25-50µm).
863505	10	C	25	75			1		3	2 grains arsenopyrite (50µm).
							1	56.0	3	~0.5% pyrite (25-1000µm).
										~500 grains marcasite (25-50µm).
863510	No Visible Gold									~4000 grains pyrite (25-500µm).
										~1000 grains marcasite (25-50µm).
863511	5	C	25	25	3		3		1	5 grains copper (50-200µm).
	8	C	25	50	5		5		3	5 grains arsenopyrite (75-150µm).
	10	C	50	50	2		2		3	~0.5% pyrite (25-500µm).
	13	C	50	75	1	1	2		6	~5000 grains marcasite (25-75µm).
							12	117.2	13	
863512	3	C	15	15	2		2		<1	1 grain copper (50µm).
	8	C	25	50	2		2		2	1 grain arsenopyrite (200µm).
	10	C	50	50	1	1	2		5	~2000 grains pyrite (25-150µm).
							6	76.8	7	~0.5% marcasite (15-75µm).
863513	10	C	50	50	1		1		3	~0.5% marcasite (25-75µm).
							1	70.0	3	
863514	3	C	15	15	1		1		<1	1 grain arsenopyrite (150µm).
							1	42.8	0	~0.5% marcasite (25-100µm).
863515	15	C	75	75	1		1		11	~1% pyrite (25-1000µm).
	18	C	75	100	1		1		17	~0.5% marcasite (25-75µm).
							2	58.0	28	
863517	3	C	15	15	2		2		<1	~2000 grains pyrite (25-250µm).
	5	C	25	25	1		1		<1	~0.5% marcasite (25-75µm).
							3	82.8	0	
863518	No Visible Gold									2 grains copper (25µm).
										4 grains arsenopyrite (50-150µm).
										~1% pyrite (25-1000µm).
										~2000 grains marcasite (25-75µm).
863519	No Visible Gold									1 grain copper (150-200µm).
										4 grains arsenopyrite (100-250µm).

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

Detailed Gold Grain Data

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Total Number of Samples in this Report: 34

ODM Batch Number(s): 7437, 7455, 7472

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			
863520	13	C	25	100		1	1	43.2	6	5 grains arsenopyrite (75-100µm). ~1% pyrite (25-1000µm). ~2000 grains marcasite (25-75µm).
863521	No Visible Gold									~200 grains galena (25-100µm). 3 grains arsenopyrite (50-100µm). ~1% pyrite (25-1000µm). ~1000 grains marcasite (25-75µm).
863522	No Visible Gold									~100 grains galena (25-100µm). 2 grains arsenopyrite (75µm). ~1% pyrite (25-1000µm). ~1000 grains marcasite (25-75µm).
863523	No Visible Gold									10 grains galena (25-100µm). ~2% pyrite (25-1000µm). ~1000 grains marcasite (25-75µm).
863524	No Visible Gold									1 grain copper (150µm). 1 grain galena (100µm). 2 grains arsenopyrite (100µm). ~10% pyrite (25-1000µm). ~1000 grains marcasite (25-75µm).
863525	No Visible Gold									~5% pyrite (25-1000µm).
863526	No Visible Gold									~2% pyrite (25-1000µm).
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).

* 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 - (KIMs) - April 2017

Total Number of Samples in this Report: 34

ODM Batch Number(s): 7437, 7455, 7472

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			
	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 native 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).
863584	3	C	15	15		1	1		<1	~2% pyrite (25-250µm).
	8	C	25	50	1		1		1	
	10	C	50	50	2		2		6	
	50	M	300	600	1		1		987	
	50	M	500	600	1		1		1645	
							6	68.4	2638	
863588	3	C	15	15			1		<1	~2% pyrite (25-250µm).
	10	C	50	50	1		1		3	
	13	C	50	75		1	1		6	
							3	63.2	9	
863599	8	C	25	50	1		1		1	~10 grains native copper (50-200µm).
	10	C	50	50	1		1		3	~2% pyrite (25-250µm).
	15	C	75	75	1		1		11	
							3	59.6	15	
863624	8	C	25	50	2		2		2	~5% pyrite (25-250µm).
	10	C	25	75	1		1		2	
	10	C	50	50	1		1		2	
	13	C	50	75	1	2	3		12	
	15	C	50	100	1		1		7	
	15	C	75	75	1		1		7	
	20	C	75	125	1		1		16	
	22	C	100	125	1		1		24	
							11	87.2	72	
863628	5	C	25	25		1	1		<1	~5% pyrite (25-250µm).
	20	C	75	125	1		1		22	
							2	64.8	22	
863632	3	C	15	15			1		<1	~2% pyrite (25-250µm).
	5	C	25	25			1		<1	~2000 grains tungsten carbide (25-250µm; drill bit contamination).
	8	C	25	50	1		1		1	
	10	C	50	50	1		1		2	
	15	C	50	100		1	1		6	
	18	C	75	100	1		1		10	
	25	C	125	125	1		1		28	
	46	C	250	250	1		1		210	
							8	103.2	256	

* 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 - (KIMs) - April 2017

Total Number of Samples in this Report: 34

ODM Batch Number(s): 7437, 7455, 7472

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
863501	1025.9	812.9	213.0	204.2	8.8	1.8	0.8	6.2	100	6.2	3.6	1.8	0.8
863502	1058.2	837.8	220.4	210.2	10.2	2.0	0.7	7.5	100	7.5	4.8	2.1	0.6
863503	941.6	742.0	199.6	188.5	11.1	1.7	0.8	8.6	100	8.6	5.6	2.2	0.8
863504	994.3	726.5	267.8	250.8	17.0	1.9	1.5	13.6	100	13.6	9.2	3.6	0.8
863505	1066.2	632.2	434.0	402.3	31.7	2.1	2.8	26.8	100	26.8	14.9	8.0	3.9
863510	762.9	393.9	369.0	354.0	15.0	3.9	0.1	11.0	100	11.0	10.0	0.7	0.3
863511	817.6	672.5	145.1	133.0	12.1	1.7	1.3	9.1	100	9.1	6.1	2.4	0.6
863512	759.4	683.9	75.5	70.1	5.4	1.1	0.6	3.7	100	3.7	2.7	0.8	0.2
863513	1266.8	835.5	431.3	428.1	3.2	0.4	0.3	2.5	100	2.5	1.4	0.8	0.3
863514	669.0	590.5	78.5	76.8	1.7	0.3	0.2	1.2	100	1.2	0.8	0.4	<0.1
863515	1289.6	953.7	335.9	303.4	32.5	3.8	2.5	26.2	100	26.2	14.0	9.2	3.0
863517	1256.8	1058.8	198.0	190.7	7.3	1.4	0.6	5.3	100	5.3	3.6	1.3	0.4
863518	1352.7	1002.1	350.6	343.3	7.3	1.1	0.5	5.7	100	5.7	3.6	1.6	0.5
863519	907.0	690.0	217.0	212.7	4.3	0.7	0.3	3.3	100	3.3	2.2	0.8	0.3
863520	645.0	634.0	11.0	10.1	0.9	0.2	0.1	0.6	100	0.6	0.3	0.2	<0.1
863521	705.8	693.4	12.4	11.0	1.4	0.2	0.2	1.0	100	1.0	0.5	0.4	0.1
863522	735.6	545.9	189.7	179.6	10.1	1.3	0.5	8.3	100	8.3	6.6	1.6	0.1
863523	777.9	536.0	241.9	236.1	5.8	0.6	0.3	4.9	100	4.9	3.1	1.4	0.4
863524	900.0	613.3	286.7	270.3	16.4	1.7	0.7	14.0	100	14.0	7.9	4.7	1.4
863525	598.9	426.7	172.2	161.1	11.1	1.4	0.3	9.4	100	9.4	4.8	3.4	1.2
863526	767.0	574.3	192.7	154.6	38.1	4.2	0.1	33.8	100	33.8	17.4	14.1	2.3
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
863584	1320.5	806.9	513.6	446.1	67.5	6.4	4.6	56.5	100	56.5	34.8	17.8	3.9
863588	1307.7	855.4	452.3	406.7	45.6	6.2	3.0	36.4	100	36.4	23.4	10.8	2.2
863599	956.5	719.8	236.7	205.8	30.9	3.9	2.3	24.7	100	24.7	16.2	6.8	1.7
863624	1379.0	1004.0	375.0	282.6	92.4	14.2	4.6	73.6	100	73.6	41.8	25.8	6.0
863628	1282.4	990.0	292.4	221.6	70.8	10.2	3.9	56.7	100	56.7	35.0	17.0	4.7
863632	1452.1	945.2	506.9	415.2	91.7	15.2	8.4	68.1	100	68.1	42.7	20.4	5.0

Client: Anglo Gold Ashanti
File Name: 20177437 - Anglo Gold Ashanti - Burr - (Minnesota) - April 2017
Total Number of Samples in this Report: 34
ODM Batch Number(s): 7478

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

Client: Anglo Gold Ashanti

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

Total Number of Samples in this Report: 34

ODM Batch Number(s): 7437, 7455, 7472

Sample Number	Remarks
863501	Almandine-hornblende-siderite/epidote-marcasite assemblage. SEM check from 0.25-0.5 mm fraction: 1 arsenopyrite versus loellingite candidate = 1 arsenopyrite.
863502	Almandine-hornblende-siderite/epidote-diopside-marcasite assemblage. SEM checks from 0.25-0.5 mm fraction: 2 GP versus almandine candidates = 2 ruby corundum.
863503	Almandine-hornblende-siderite/epidote-diopside-marcasite assemblage.
863504	Siderite-almandine/epidote-marcasite-staurolite-diopside assemblage.
863505	Almandine-siderite/epidote-marcasite-staurolite-diopside assemblage. SEM check from 0.5-1.0 mm fraction: 1 green gahnite versus spinel candidate = 1 spinel. SEM check from 0.25-0.5 mm fraction: 1 CR versus
863510	Hornblende/epidote assemblage. SEM check from 0.25-0.5 mm fraction: 1 chalcopyrite candidate = 1 chalcopyrite.
863511	Siderite-hornblende-almandine/marcasite-epidote-diopside assemblage.
863512	Almandine-hornblende-siderite/epidote-marcasite assemblage. Also picked 3 native copper grains from 0.25-0.5 mm fraction.
863513	Siderite-almandine-hornblende/epidote-marcasite-barite-diopside assemblage. SEM checks from 0.25-0.5 mm fraction: 1 pale purple GP versus spinel candidate = 1 spinel; and 3 earthy barite (major nonparamagnetic
863514	Almandine-hornblende-siderite/epidote-staurolite-marcasite assemblage.
863515	Siderite-almandine/epidote-marcasite-staurolite assemblage. SEM checks from 0.25-0.5 mm fraction: 3 CR candidates = 3 CR; 1 blue-green gahnite versus spinel candidate = 1 gahnite; and 1 red sphalerite versus
863517	Hornblende-almandine-siderite/epidote-marcasite assemblage. SEM check from 0.25-0.5 mm fraction: 1 blue-green gahnite versus spinel candidate = 1 gahnite.
863518	Siderite-almandine/epidote-marcasite-diopside assemblage.
863519	Almandine-siderite-hornblende/epidote-marcasite-diopside assemblage.
863520	Hematite-goethite/marcasite-diopside-staurolite assemblage.
863521	Hematite/epidote-marcasite-staurolite-diopside assemblage.
863522	Almandine-siderite/epidote-marcasite-staurolite-diopside assemblage.
863523	Almandine-siderite-hornblende/marcasite-epidote assemblage. SEM checks from 0.25-0.5 mm fraction: 3 CR versus crustal ilmenite candidates = 3 CR.
863524	Siderite-hematite-almandine-hornblende/pyrite assemblage. SEM checks from 0.5-1.0 mm fraction: 8 chalcopyrite versus pyrite candidates = 3 chalcopyrite and 5 pyrite; and 1 tabular galena candidate = 1 Ti-
863525	Siderite/pyrite assemblage. SEM checks from 0.25-0.5 mm fraction: 5 grey sulphide candidates = 5 Ti-bearing mineral.
863526	Siderite/pyrite assemblage. SEM checks from 0.25-0.5 mm fraction: 10 chalcopyrite versus pyrite candidates = 10 chalcopyrite.
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.

Kimberlite Indicator Mineral Remarks

Client: Anglo Gold Ashanti

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

Total Number of Samples in this Report: 34

ODM Batch Number(s): 7437, 7455, 7472

Sample Number	Remarks
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.
863584	Almandine-siderite-hornblende/marcasite-epidote-staurolite assemblage. Also picked 2 >250µm wide gold grains from 0.25-0.5 mm fraction. See detailed gold grain data page.
863588	Almandine-siderite-hornblende/diopside-epidote-marcasite assemblage.
863599	Almandine-siderite-hornblende/epidote-staurolite-diopside-pyrite assemblage.
863624	Siderite-almandine-hornblende/epidote-marcasite-staurolite assemblage. GP is a well-worn second cycle grain.
863628	Siderite-almandine-hornblende/epidote-marcasite-staurolite assemblage.
863632	Siderite-almandine-hornblende/epidote-marcasite-staurolite assemblage. SEM check from 0.25-0.5 mm fraction: 1 blue gahnite versus spinel candidate = 1 spinel. Also picked 1 molybdenite from 0.25-0.5 mm fraction.

-0.063 mm Clay-Silt Fraction Weights

Client: Anglo Gold Ashanti

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

Total Number of Samples in this Report: 34

ODM Batch Number(s): 7437, 7455, 7472

Sample Number	Archival Split Weight (g)				
	Total	Excess	Sieved Split		
			Total	+0.063 mm	-0.063 mm
863501	366.0	0.0	366.0	218.8	147.2
863502	378.4	0.0	378.4	218.4	160.0
863503	379.1	0.0	379.1	225.0	154.1
863504	371.6	0.0	371.6	270.1	101.5
863505	379.1	0.0	379.1	327.5	51.6
863510	392.9	0.0	392.9	346.8	46.1
863511	321.3	0.0	321.3	277.0	44.3
863512	394.0	0.0	394.0	245.8	148.2
863513	271.3	0.0	271.3	157.6	113.7
863514	345.5	0.0	345.5	53.1	292.4
863515	394.3	0.0	394.3	282.9	111.4
863517	373.4	0.0	373.4	243.3	130.1
863518	405.3	0.0	405.3	345.6	59.7
863519	376.2	0.0	376.2	292.3	83.9
863520	406.9	0.0	406.9	216.0	190.9
863521	436.0	0.0	436.0	255.3	180.7
863522	404.4	0.0	404.4	328.9	75.5
863523	415.1	0.0	415.1	311.4	103.7
863524	424.9	0.0	424.9	370.8	54.1
863525	454.6	0.0	454.6	380.7	73.9
863526	411.1	0.0	411.1	308.1	103.0
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
863584	406.2	0.0	404.8	333.9	70.9
863588	376.2	0.0	375.1	288.3	86.8
863599	384.7	0.0	383.8	317.7	66.1
863624	403.8	0.0	401.5	352.1	49.4
863628	416.6	0.0	414.9	341.1	73.8
863632	384.1	0.0	379.2	332.4	46.8

-0.25 mm Heavy Mineral Processing Weights

Client: Anglo Gold Ashanti

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

Total Number of Samples in this Report: 34

ODM Batch Number(s): 7437, 7455, 7472

Sample Number	-0.25 mm Table Concentrate Weight (g)							
	Heavy Liquid Separation S.G. 3.20							
	HMC							
	-0.25 mm nonferromagnetic HMC							
	Total	Lights*	Total	Mag	Total	Excess	Analytical Split	
							INA	ICP
863501	812.9	768.8	44.1	11.8	32.3	0.0	27.3	5.0
863502	837.8	792.3	45.5	9.5	36.0	0.0	31.0	5.0
863503	742.0	705.0	37.0	7.2	29.8	0.0	24.8	5.0
863504	726.5	675.7	50.8	7.0	43.8	0.0	38.8	5.0
863505	632.2	583.9	48.3	7.8	40.5	0.0	35.5	5.0
863510	393.9	324.7	69.2	0.2	69.0	8.0	56.0	5.0
863511	672.5	617.1	55.4	16.7	38.7	0.0	33.7	5.0
863512	683.9	661.3	22.6	5.1	17.5	0.0	12.5	5.0
863513	835.5	824.8	10.7	2.6	8.1	0.0	6.1	2.0
863514	590.5	584.1	6.4	1.1	5.3	0.0	4.3	1.0
863515	953.7	922.1	31.6	5.4	26.2	0.0	21.2	5.0
863517	1058.8	1030.3	28.5	7.1	21.4	0.0	16.4	5.0
863518	1002.1	988.3	13.8	2.7	11.1	0.0	8.1	3.0
863519	690.0	680.2	9.8	1.8	8.0	0.0	6.0	2.0
863520	634.0	600.6	33.4	4.4	29.0	0.0	24.0	5.0
863521	693.4	677.7	15.7	2.4	13.3	0.0	8.3	5.0
863522	545.9	536.8	9.1	1.0	8.1	0.0	6.1	2.0
863523	536.0	527.6	8.4	0.5	7.9	0.0	5.9	2.0
863524	613.3	595.7	17.6	0.7	16.9	0.0	11.9	5.0
863525	426.7	412.6	14.1	0.2	13.9	0.0	10.9	3.0
863526	574.3	556.5	17.8	0.1	17.7	0.0	12.7	5.0
863537	231.9	230.4	1.5	0.3	1.2	0.0	1.2	NA
863543	1010.0	930.9	79.1	12.4	66.7	0.0	61.7	5.0
863544	565.2	552.5	12.7	0.9	11.8	0.0	8.8	3.0
863547	841.6	803.5	38.1	6.9	31.2	0.0	26.2	5.0
863548	898.4	858.9	39.5	7.2	32.3	0.0	27.3	5.0
863557	804.8	780.6	24.2	7.0	17.2	0.0	12.2	5.0
863566	450.9	442.2	8.7	1.9	6.8	0.0	4.8	2.0
863584	806.9	752.6	54.3	9.0	45.3	0.0	40.3	5.0
863588	855.4	809.1	46.3	8.4	37.9	0.0	32.9	5.0
863599	719.8	691.4	28.4	6.3	22.1	0.0	17.1	5.0
863624	1004.0	934.0	70.0	11.4	58.6	0.0	53.6	5.0
863628	990.0	933.9	56.1	7.4	48.7	0.0	43.7	5.0
863632	945.2	883.0	62.2	12.9	49.3	0.0	44.3	5.0

*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.