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Laboratory Data Report

Client Information

Anglo Gold Ashanti
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Attention: Mr. Trevor Burr

Data-File Information

Date: June 2, 2017

Project name:

ODM batch numbers: 7465, 7474, 7478

863528 to 863531, 863533, 863534, 863536, 863539 to 863542, 863546, 863550,
863552, 863554 to 863556, 863558, 863560, 863561, 863563, 863565, 863568 to 863572
and 863575 to 863581, 863583, 863586, 863587, 863589, 863591, 863592, 863595 to
863597, 863600, 863602 to 863620, 863623, 863625 to 863627, 863629 to 863631,
863634 to 863639 and 863641 to 863651

Sample numbers:

Data file: 20177437 - Anglo Gold Ashanti - Burr - (Minnesota) - April 2017

Number of samples in this report: 88

Number of samples processed to date: 88

Total number of samples in project: 88

Preliminary data:

Final data:

Revised data:

X

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

1. Submitted by client: Glacial till and lacustrine sand + silt 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.

Notes

Kimberlite indicator picking of selected 34 samples (separate data file).

-0.063 mm forwarded to ALS for fire assay and ICP analysis.

Nonferromagnetic HMC forwarded to Actlabs for INAA and ICP analysis.

Includes detailed pebble log on selected samples.

Includes detailed pebble lithologies on selected samples.

Remy Huneault, P. Geo.
President

Primary Sample Processing Weights and Descriptions

Client: Anglo Gold Ashanti

File Name: 20177437 - Anglo Gold Ashanti - Burr - (Minnesota) - April 2017

Total Number of Samples in this Report: 52

ODM Batch Number(s): 7478

Sample Number	Weight (kg wet)						Screening and Shaking Table Sample Descriptions													Class
							Clasts (+2.0 mm)*					Matrix (-2.0 mm)								
							Size	Percentage				Distribution								
	Bulk Rec'd	Archived Split	Table Split	+2.0 mm Clasts*	Table Feed	V/S		GR	LS	OT**	S/U	SD	ST	CY	ORG	SD	CY			
863528	10.1	0.5	9.6	0.2	9.4	P	30	70	Tr	0	S	F	+	Y	N	GB	GB	SAND + SILT		
863529	18.0	0.5	17.5	0.1	17.4	G	25	75	Tr	0	S	F	+	Y	N	GB	GB	SAND + SILT		
863530	14.6	0.5	14.1	0.1	14.0	P	40	60	0	0	S	F	+	Y	N	GB	GB	SAND + SILT		
863531	12.7	0.5	12.2	2.4	9.8	C	50	50	0	0	U	Y	Y	Y	N	GB	GB	TILL		
863533	14.9	0.5	14.4	0.1	14.3	P	35	35	30	0	S	F	+	Y	N	GB	GB	SAND + SILT		
863534	8.5	0.5	8.0	3.5	4.5	C	60	40	0	0	U	-	+	Y	N	GB	GB	TILL		
863536	4.6	0.5	4.1	1.4	2.7	P	80	20	0	0	U	-	+	Y	N	GB	GB	TILL		
863539	22.4	0.5	21.9	2.7	19.2	P	40	40	20	0	U	-	+	Y	N	GB	GB	TILL		
863540	25.4	0.5	24.9	0.2	24.7	P	60	20	20	0	S	F	+	Y	N	GB	GB	SAND + SILT		
863541	36.0	0.5	35.5	3.5	32.0	P	60	40	0	0	U	+	Y	-	N	GB	GB	TILL		
863542	24.5	0.5	24.0	0.2	23.8	G	60	40	Tr	0	S	FM	-	N	N	GB	NA	SAND		
863546	34.0	0.5	33.5	5.4	28.1	P	60	40	0	0	U	+	Y	-	N	GB	GB	TILL		
863550	16.3	0.5	15.8	0.5	15.3	P	20	50	30	0	U	-	+	Y	N	GB	GB	TILL		
863551	14.5	0.5	14.0	4.8	9.2	C	70	30	0	0	U	-	+	Y	N	GB	GB	TILL		
863552	17.5	0.5	17.0	8.4	8.6	C	70	30	0	0	U	Y	Y	Y	N	GB	GB	TILL		
863554	21.9	0.5	21.4	3.0	18.4	P	80	20	Tr	0	U	Y	+	-	N	GB	GB	TILL		
863555	34.3	0.5	33.8	2.2	31.6	P	60	40	0	0	U	Y	+	-	N	GB	GB	TILL		
863556	19.6	0.5	19.1	7.8	11.3	C	70	30	0	0	U	Y	Y	Y	N	GY	GY	TILL		
863558	3.5	0.5	3.0	0.6	2.4	P	100	Tr	0	0	U	-	+	Y	N	GG	GG	TILL		
863560	20.4	0.5	19.9	0.7	19.2	P	60	30	10	0	U	-	+	Y	N	GB	GB	TILL		
863561	17.6	0.5	17.1	3.3	13.8	P	40	60	0	0	U	-	+	Y	N	GB	GB	TILL		
863563	21.0	0.5	20.5	1.0	19.5	P	60	30	10	0	U	-	+	Y	N	GB	GB	TILL		
863565	23.6	0.5	23.1	7.6	15.5	P	70	30	0	0	U	+	Y	-	N	LOC	LOC	TILL		
863568	22.2	0.5	21.7	1.1	20.6	P	30	50	20	0	U	-	+	Y	N	GB	GB	TILL		
863569	24.4	0.5	23.9	1.2	22.7	P	30	50	20	0	U	-	+	Y	N	GB	GB	TILL		
863570	27.9	0.5	27.4	1.9	25.5	P	40	60	0	0	U	+	Y	-	N	GB	GB	TILL		
863571	16.1	0.5	15.6	4.1	11.5	P	70	30	Tr	0	U	Y	+	-	N	GB	GB	TILL		
863572	8.3	0.5	7.8	3.0	4.8	P	80	20	Tr	0	U	Y	Y	Y	N	GB	GB	TILL		
863574	17.4	0.5	16.9	0.2	16.7	P	20	70	10	0	S	F	+	Y	N	GB	GB	SAND + SILT		
863575	28.9	0.5	28.4	4.6	23.8	P	60	30	10	0	U	+	Y	-	N	GB	GB	TILL		
863576	11.9	0.5	11.4	5.8	5.6	C	80	20	0	0	U	Y	Y	Y	N	GB	GB	TILL		
863577	33.6	0.5	33.1	13.2	19.9	C	60	40	0	0	U	Y	Y	Y	N	GB	GB	TILL		
863578	23.6	0.5	23.1	1.0	22.1	P	50	40	10	0	U	-	+	Y	N	GB	GB	TILL		
863579	24.0	0.5	23.5	7.2	16.3	P	70	30	Tr	0	U	+	Y	-	N	GB	GB	TILL		
863580	23.5	0.5	23.0	0.6	22.4	P	40	60	Tr	0	U	-	+	Y	N	GB	GB	TILL		
863581	27.2	0.5	26.7	2.0	24.7	C	60	40	Tr	0	U	+	Y	-	N	GB	GB	TILL		
863583	23.0	0.5	22.5	2.0	20.5	P	20	70	10	0	U	Y	+	Y	N	GB	GB	TILL		
863586	30.2	0.5	29.7	1.8	27.9	C	20	60	20	0	U	Y	+	Y	N	GB	GB	TILL		
863587	27.0	0.5	26.5	1.6	24.9	P	80	20	0	0	U	Y	Y	-	N	B	B	TILL		
863589	15.1	0.5	14.6	5.1	9.5	P	80	20	0	0	U	+	Y	-	N	GB	GB	TILL		
863591	26.0	0.5	25.5	17.3	8.2	C	90	10	0	0	U	+	Y	-	N	GB	GB	TILL		
863592	17.0	0.5	16.5	7.9	8.6	C	95	5	0	0	U	+	Y	-	N	GY	GY	TILL		
863595	26.4	0.5	25.9	2.7	23.2	P	40	60	0	0	U	-	Y	+	N	GB	GB	TILL		
863596	7.1	0.5	6.6	4.1	2.5	C	80	20	0	0	U	+	Y	-	N	GB	GB	TILL		
863597	12.5	0.5	12.0	2.4	9.6	P	90	10	0	0	U	+	Y	-	N	GB	GB	TILL		
863600	18.8	0.5	18.3	9.9	8.4	P	90	10	0	0	U	+	Y	-	N	GB	GB	TILL		
863602	21.1	0.5	20.6	1.0	19.6	P	30	50	20	0	U	-	Y	+	N	GB	GB	TILL		
863603	34.4	0.5	33.9	4.2	29.7	P	20	30	0	0	U	+	Y	-	N	GY	GY	TILL		
863604	21.8	0.5	21.3	2.7	18.6	G	40	60	Tr	0	U	+	Y	-	N	GB	GB	TILL		
863605	6.2	0.5	5.7	1.7	4.0	C	60	40	0	0	U	Y	+	-	N	GB	GB	TILL		
863606	27.0	0.5	26.5	2.7	23.8	C	20	60	20	0	U	-	+	Y	N	GB	GB	TILL		
863607	26.3	0.5	25.8	2.7	23.1	P	20	60	20	0	U	-	+	Y	N	GB	GB	TILL		
863608	25.8	0.5	25.3	0.1	25.2	P	0	90	10	0	S	FM	-	N	N	OC	NA	SAND		
863609	32.9	0.5	32.4	0.2	32.2	G	10	80	10	0	S	MC	-	N	N	GB	NA	SAND		
863610	34.6	0.5	34.1	2.4	31.7	P	20	80	0	0	S	MC	-	N	N	BE	NA	SAND		
863611	26.2	0.5	25.7	2.2	23.5	C	40	60	0	0	S	FM	-	N	N	BE	NA	SAND		
863612	14.6	0.5	14.1	1.1	13.0	C	30	70	0	0	U	-	Y	+	N	GB	GB	TILL		
863613	14.2	0.5	13.7	4.7	9.0	C	20	80	Tr	0	U	Y	Y	Y	N	GB	GB	TILL		
863614	25.9	0.5	25.4	1.1	24.3	C	20	80	Tr	0	U	-	Y	+	N	GB	GB	TILL		
863615	18.0	0.5	17.5	0.5	17.0	P	60	40	0	0	U	+	Y	-	N	BE	BE	TILL		
863616	26.5	0.5	26.0	10.5	15.5	C	60	40	Tr	0	U	Y	Y	Y	N	GB	GB	TILL		
863617	25.6	0.5	25.1	8.2	16.9	C	70	30	0	0	U	+	Y	-	N	LOC	LOC	TILL		
863618	22.1	0.5	21.6	4.7	16.9	C	30	70	0	0	U	+	Y	-	N	BE	BE	TILL		
863619	34.3	0.5	33.8	6.1	27.7	C	30	70	Tr	0	U	+	Y	-	N	BE	BE	TILL		
863620	3.4	0.5	2.9	0.3	2.6	P	60	40	0	0	U	+	Y	-	N	GY	GY	TILL		
863623	31.2	0.5	30.7	1.6	29.1	C	20	80	0	0	U	+	Y	-	N	GB	GB	TILL		
863625	20.5	0.5	20.0	11.3	8.7	C	60	40	0	0	U	+	Y	-	N	BE	BE	TILL		
863626	14.6	0.5	14.1	4.2	9.9	C	20	80	0	0	U	+	Y	-	N	GB	GB	TILL		
863627	8.4	0.5	7.9	0.2	7.7	P	30	70	0	0	S	FM	-	N	N	GB	GB	SAND		
863629	13.6	0.5	13.1	3.4	9.7	C	10	90	0	0	S	MC	-	N	N	GB	GB	SAND + GRAVEL		

Primary Sample Processing Weights and Descriptions

Client: Anglo Gold Ashanti

File Name: 20177437 - Anglo Gold Ashanti - Burr - (Minnesota) - April 2017

Total Number of Samples in this Report: 52

ODM Batch Number(s): 7478

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	
863630	20.6	0.5	20.1	1.0	19.1	P	10	80	10	0	U	-	Y	+	N	GB	GB	TILL
863631	32.2	0.5	31.7	1.8	29.9	P	60	40	Tr	0	U	+	Y	-	N	GB	GB	TILL
863634	17.9	0.5	17.4	5.1	12.3	P	80	20	Tr	0	U	Y	Y	Y	N	GY	GY	TILL
863635	11.4	0.5	10.9	0.1	10.8	P	40	60	0	0	S	FM	-	N	N	GB	GB	SAND
863636	18.5	0.5	18.0	0.5	17.5	G	90	10	0	0	U	+	Y	-	N	GY	GY	TILL
863637	26.4	0.5	25.9	5.9	20.0	C	100	Tr	0	0	U	Y	Y	Y	N	GY	GY	TILL
863638	21.5	0.5	21.0	1.7	19.3	C	100	0	0	0	U	Y	+	-	N	GY	GY	TILL
863639	20.7	0.5	20.2	4.9	15.3	C	100	0	0	0	U	Y	Y	Y	N	GY	GY	TILL
863641	32.7	0.5	32.2	0.0	32.2	G	100	0	0	0	S	FM	+	N	N	OC	OC	SAND + SILT
863642	25.7	0.5	25.2	0.9	24.3	P	90	10	0	0	U	-	+	+	N	GB	GB	TILL
863643	27.3	0.5	26.8	2.0	24.8	P	60	40	0	0	U	Y	+	+	N	BE	BE	TILL
863644	21.9	0.5	21.4	6.9	14.5	C	90	10	0	0	U	+	Y	-	N	GB	GB	TILL
863646	24.1	0.5	23.6	1.0	22.6	P	20	60	20	0	U	-	Y	+	N	BE	BE	TILL
863647	27.0	0.5	26.5	0.6	25.9	P	40	60	0	0	U	+	-	-	N	BE	BE	TILL
863648	35.0	0.5	34.5	6.1	28.4	P	40	60	0	0	U	+	-	-	N	BE	BE	TILL
863649	32.7	0.5	32.2	3.2	29.0	C	40	60	0	0	U	+	-	-	N	OC	OC	TILL
863650	37.1	0.5	36.6	1.5	35.1	P	30	70	0	0	U	+	-	-	N	OC	OC	TILL
863651	22.3	0.5	21.8	12.0	9.8	C	15	85	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: 20177437 - Anglo Gold Ashanti - Burr - (Minnesota) - April 2017

Total Number of Samples in this Report: 52

ODM Batch Number(s): 7478

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
863528	0	0	0	0	37.6	0	0	0	0
863529	3	3	0	0	69.6	170	170	0	0
863530	2	1	1	0	56.0	8	6	1	0
863531	5	4	1	0	39.2	10	9	1	0
863533	0	0	0	0	57.2	0	0	0	0
863534	1	1	0	0	18.0	2188	2188	0	0
863536	0	0	0	0	10.8	0	0	0	0
863539	0	0	0	0	76.8	0	0	0	0
863540	7	6	0	1	98.8	75	75	0	<1
863541	3	3	0	0	128.0	3	3	0	0
863542	2	2	0	0	95.2	4	4	0	0
863546	3	3	0	0	112.4	11	11	0	0
863550	1	0	1	0	61.2	3	0	3	0
863551	1	1	0	0	36.8	4	4	0	0
863552	1	0	1	0	34.4	44	0	44	0
863554	2	2	0	0	73.6	5	5	0	0
863555	8	7	1	0	126.4	9	9	<1	0
863556	6	5	0	1	45.2	336	335	0	1
863558	2	2	0	0	9.6	18	18	0	0
863560	3	3	0	0	76.8	28	28	0	0
863561	2	2	0	0	55.2	5	5	0	0
863563	10	9	1	0	78.0	8	8	<1	0
863565	3	3	0	0	62.0	684	684	0	0
863568	4	4	0	0	82.4	15	15	0	0
863569	2	2	0	0	90.8	2	2	0	0
863570	2	1	1	0	102.0	6	6	<1	0
863571	5	5	0	0	46.0	177	177	0	0
863572	6	3	2	1	19.2	44	37	5	1
863574	1	1	0	0	66.8	<1	<1	0	0
863575	17	14	3	0	95.2	19	19	1	0
863576	2	2	0	0	22.4	17	17	0	0
863577	5	2	0	3	79.6	3	3	0	<1
863578	2	2	0	0	88.4	1	1	0	0
863579	6	6	0	0	65.2	43	43	0	0
863580	3	3	0	0	89.6	44	44	0	0
863581	6	6	0	0	98.8	30	30	0	0
863583	4	2	2	0	82.0	4	1	3	0
863586	2	2	0	0	111.6	4	4	0	0
863587	0	0	0	0	99.6	0	0	0	0
863589	1	1	0	0	38.0	1	1	0	0
863591	2	1	1	0	32.8	4	2	2	0
863592	0	0	0	0	34.4	0	0	0	0
863595	2	2	0	0	92.8	4	4	0	0
863596	1	1	0	0	10.0	19	19	0	0
863597	0	0	0	0	38.4	0	0	0	0
863600	2	0	1	1	33.6	1	0	1	<1
863602	1	1	0	0	78.4	8	8	0	0
863603	2	2	0	0	118.8	206	206	0	0
863604	6	4	2	0	74.4	672	654	19	0
863605	0	0	0	0	16.0	0	0	0	0
863606	5	4	1	0	95.2	12	8	4	0
863607	4	3	1	0	92.4	56	56	<1	0
863608	5	4	1	0	100.8	27	9	19	0
863609	21	17	4	0	128.8	11	11	<1	0
863610	7	6	1	0	126.8	8	8	<1	0
863611	1	1	0	0	94.0	2	2	0	0

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

Gold Grain Summary

Client: Anglo Gold Ashanti

File Name: 20177437 - Anglo Gold Ashanti - Burr - (Minnesota) - April 2017

Total Number of Samples in this Report: 52

ODM Batch Number(s): 7478

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
863612	3	3	0	0	52.0	5	5	0	0
863613	1	1	0	0	36.0	10	10	0	0
863614	1	1	0	0	97.2	2	2	0	0
863615	1	1	0	0	68.0	15	15	0	0
863616	2	2	0	0	62.0	55	55	0	0
863617	1	1	0	0	67.6	9	9	0	0
863618	12	10	2	0	67.6	59	51	9	0
863619	17	14	0	3	110.8	49	49	0	<1
863620	5	4	1	0	10.4	207	188	18	0
863623	13	10	2	1	116.4	6	6	<1	<1
863625	3	3	0	0	34.8	5	5	0	0
863626	1	1	0	0	39.6	284	284	0	0
863627	2	2	0	0	30.8	22	22	0	0
863629	1	1	0	0	38.8	9	9	0	0
863630	1	1	0	0	76.4	25	25	0	0
863631	5	4	1	0	119.6	28	25	3	0
863634	2	2	0	0	49.2	108	108	0	0
863635	2	2	0	0	43.2	6	6	0	0
863636	1	1	0	0	70.0	8	8	0	0
863637	0	0	0	0	80.0	23	23	0	0
863638	0	0	0	0	77.2	0	0	0	0
863639	2	2	0	0	61.2	26	26	0	0
863641	3	3	0	0	128.8	1	1	0	0
863642	5	3	2	0	97.2	31	30	2	0
863643	2	1	1	0	99.2	1	1	<1	0
863644	6	4	2	0	58.0	105	104	1	0
863646	5	3	2	0	90.4	6	4	2	0
863647	23	17	4	2	103.6	34	19	12	4
863648	2	2	0	0	113.6	2	2	0	0
863649	2	1	1	0	116.0	6	6	<1	0
863650	7	5	2	0	140.4	14	14	1	0
863651	4	1	3	0	39.2	3	1	3	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: 20177437 - Anglo Gold Ashanti - Burr - (Minnesota) - April 2017

Total Number of Samples in this Report: 52

ODM Batch Number(s): 7478

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			
863528	No Visible Gold									~0.5% pyrite (25-250µm).
863529	8	C	25	50	2		2		2	~0.5% pyrite (25-500µm).
	50	M	125	250	1		1		168	
							3	69.6	170	
863530	8	C	25	50		1	1		1	~200 grains galena (50-150µm).
	13	C	50	75	1		1		6	~10 grains arsenopyrite (50-150µm).
							2	56.0	8	~0.5% pyrite (25-150µm).
863531	5	C	25	25	1	1	2		1	~1% pyrite (25-250µm).
	8	C	25	50	2		2		4	~10,000 grains tungsten carbide (25-250; contamination).
	10	C	50	50	1		1		5	
							5	39.2	10	
863533	No Visible Gold									~0.5% pyrite (25-250µm). ~2000 grains marcasite (25-100µm). ~500 grains tungsten carbide (25-150µm; contamination).
863534	50	M	300	350	1		1		2188	~1% pyrite (25-250µm).
							1	18.0	2188	~2000 grains tungsten carbide (25-250µm; contamination).
863536	No Visible Gold									~2% pyrite (25-250µm).
863539	No Visible Gold									~0.5% pyrite (25-150µm). ~2000 grains marcasite (25-75µm).
863540	5	C	25	25	1	1	2		<1	~10 grains galena (50-200µm).
	8	C	25	50	1		1		1	~2% pyrite (25-250µm).
	10	C	50	50	1		1		2	
	13	C	50	75	1		1		4	
	15	C	50	100	1		1		6	
	31	C	150	175	1		1		63	
							7	98.8	75	
863541	5	C	25	25	1		1		<1	~10 grains galena (50-150µm).
	10	C	25	75	1		1		1	~20 grains arsenopyrite (50-200µm).
	10	C	50	50	1		1		2	~3% pyrite (25-500µm).
							3	128.0	3	
863542	5	C	25	25	1		1		<1	~50 grains galena (50-150µm).
	13	C	50	75	1		1		4	2 grains molybdenite (75-100µm).
							2	95.2	4	~2% pyrite (25-500µm).
863546	8	C	25	50	1		1		1	~20 grains galena (50-100µm).
	10	C	50	50	1		1		2	~10 grains arsenopyrite (50-250µm).
	18	C	75	100	1		1		9	~5% pyrite (50-250µm).
							3	112.4	11	
863550	10	C	50	50		1	1		3	~10 grains copper (50-250µm).
							1	61.2	3	~0.5% pyrite (25-250µm). ~0.5% marcasite (25-100µm).
863551	10	C	25	75	1		1		4	~50 grains galena (50-150µm).

* 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: 20177437 - Anglo Gold Ashanti - Burr - (Minnesota) - April 2017

Total Number of Samples in this Report: 52

ODM Batch Number(s): 7478

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			
							1	36.8	4	~10 grains arsenopyrite (50-250µm). ~3% pyrite (25-250µm).
863552	20	C	100	100		1	1	44		~50 grains galena (50-150µm).
							1	34.4	44	~20 grains arsenopyrite (50-250µm). ~3% pyrite (25-250µm).
863554	10	C	50	50	2		2	5		~50 grains galena (50-150µm).
							2	73.6	5	~2% pyrite (25-250µm).
863555	5	C	25	25	2	1	3	1		~50 grains galena (50-150µm).
	8	C	25	50	2		2	1		~20 grains arsenopyrite (50-150µm).
	10	C	50	50	2		2	3		~2% pyrite (25-250µm).
	15	C	50	100	1		1	5		
							8	126.4	9	
863556	5	C	25	25	3	1	4	2		~10 grains copper (50-250µm).
	8	C	25	50	1		1	2		~20 grains galena (50-100µm).
	50	M	200	200	1		1	332		~10 grains arsenopyrite (50-150µm).
							6	45.2	336	~1% pyrite (25-150µm).
863558	5	C	25	25	1		1	3		~200 grains galena (50-250µm).
	10	C	25	75	1		1	15		~1% pyrite (25-250µm).
							2	9.6	18	
863560	8	C	25	50			0	0		~2% pyrite (25-500µm).
	10	C	50	50	1		1	3		
	15	C	50	100	1		1	7		
	20	C	75	125	1		1	18		
							3	76.8	28	
863561	10	C	25	75	2		2	5		~20 grains copper (50-250µm).
							2	55.2	5	~20 grains galena (50-250µm).
										~20 grains arsenopyrite (50-250µm).
										~2% pyrite (25-500µm).
863563	3	C	15	15	1	1	2	<1		4 grains copper (25-50µm).
	5	C	25	25	5		5	2		~10 grains arsenopyrite (50-150µm).
	10	C	25	75	2		2	4		~1% pyrite (25-250µm).
	10	C	50	50	1		1	2		
							10	78.0	8	
863565	10	C	50	50	1		1	3		~1000 grains pyrite (25-250µm).
	50	M	150	250	1		1	227		
	50	M	250	300	1		1	454		
							3	62.0	684	
863568	5	C	25	25	1		1	<1		~10 grains copper (50-250µm).
	10	C	50	50	1		1	2		~20 grains arsenopyrite (50-250µm).
	13	C	50	75	1		1	4		~1% pyrite (25-250µm).
	15	C	75	75	1		1	8		
							4	82.4	15	
863569	8	C	25	50	2		2	2		~10 grains copper (50-150µm).
							2	90.8	2	~10 grains arsenopyrite (50-150µm).
										~1% pyrite (25-150µm).
863570	5	C	25	25		1	1	<1		~500 grains copper (50-250µm).

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Detailed Gold Grain Data

Client: Anglo Gold Ashanti

File Name: 20177437 - Anglo Gold Ashanti - Burr - (Minnesota) - April 2017

Total Number of Samples in this Report: 52

ODM Batch Number(s): 7478

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		6	~20 grains arsenopyrite (50-250µm).
							2	102.0	6	~1% pyrite (25-250µm).
863571	10	C	25	75	2		2		6	~1000 grains copper (50-500µm).
	10	C	50	50	1		1		4	~20 grains arsenopyrite (50-250µm).
	15	C	75	75	1		1		14	~2% pyrite (25-500µm).
	50	M	125	150	1		1		153	
							5	46.0	177	
863572	5	C	25	25		1	2		3	~200 grains copper (50-250µm).
	8	C	25	50	2	1	3		11	~20 grains arsenopyrite (50-250µm).
	15	C	50	100	1		1		30	~2% pyrite (25-500µm).
							6	19.2	44	
863574	5	C	25	25	1		1		<1	~1000 grains pyrite (25-1000µm).
							1	66.8	0	~1% marcasite (25-100µm).
863575	3	C	15	15	3	2	5		<1	~20 grains galena (50-100µm).
	5	C	25	25	3		3		1	~0.5% pyrite (25-250µm).
	8	C	25	50	3	1	4		3	~1% marcasite (25-100µm).
	10	C	25	75	1		1		2	
	10	C	50	50	2		2		4	
	13	C	50	75	1		1		4	
	15	C	50	100	1		1		6	
							17	95.2	19	
863576	5	C	25	25	1		1		1	~100 grains galena (50-100µm).
	13	C	50	75	1		1		16	~3% pyrite (25-150µm).
							2	22.4	17	
863577	3	C	15	15			3		<1	~100 grains galena (50-150µm).
	8	C	25	50	1		1		1	~5% pyrite (25-250µm).
	10	C	50	50	1		1		2	
							5	79.6	4	
863578	5	C	25	25	1		1		<1	~20 grains copper (50-150µm).
	8	C	25	50	1		1		1	~10 grains arsenopyrite (50-150µm).
							2	88.4	1	~0.5% pyrite (25-150µm).
										~0.5% marcasite (25-75µm).
863579	5	C	25	25	2		2		1	~10 grains copper (50-150µm).
	8	C	25	50	1		1		1	~50 grains galena (50-150µm).
	15	C	50	100	1		1		9	~2% pyrite (25-250µm).
	15	C	75	75	1		1		10	
	20	C	100	100	1		1		23	
							6	65.2	43	
863580	8	C	25	50	1		1		1	~10 grains copper (50-250µm).
	13	C	50	75	1		1		4	~1% pyrite (25-250µm).
	27	C	100	175	1		1		40	
							3	89.6	44	
863581	8	C	25	50	1		1		1	~100 grains galena (50-150µm).
	10	C	25	75	1		1		1	~2% pyrite (25-250µm).
	10	C	50	50	1		1		2	
	13	C	50	75	2		2		7	
	22	C	75	150	1		1		19	
							6	98.8	30	

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Detailed Gold Grain Data

Client: Anglo Gold Ashanti

File Name: 20177437 - Anglo Gold Ashanti - Burr - (Minnesota) - April 2017

Total Number of Samples in this Report: 52

ODM Batch Number(s): 7478

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			
863583	5	C	25	25	1		1		<1	1% pyrite (15-150µm).
	8	C	25	50	1		2		2	~5000 grains marcasite (15-50µm).
	10	C	50	50		1	1		2	
							4	82.0	4	
863586	8	C	25	50	1		1		1	2 grains arsenopyrite (100µm).
	13	C	50	75	1		1		3	~1% pyrite (25-250µm).
							2	111.6	4	~5000 grains marcasite (15-50µm).
863587	No Visible Gold									~1% pyrite (25-250µm). ~2000 grains marcasite (25µm).
863589	5	C	25	25	1		1		1	~2% pyrite (25-250µm).
							1	38.0	1	~500 grains marcasite (15-25µm).
863591	8	C	25	50	1	1	2		4	~5% pyrite (25-500µm).
							2	32.8	4	
863592	No Visible Gold									~2% pyrite (25-250µm).
863595	3	C	15	15	1		1		<1	~1000 grains pyrite (25-150µm).
	13	C	50	75	1		1		4	~1000 grains marcasite (25-75µm).
							2	92.8	4	
863596	10	C	50	50	1		1		19	5 grains galena (50-150µm).
							1	10.0	19	~1% pyrite (25-250µm).
863597	No Visible Gold									~20% pyrite (25-500µm).
863600	3	C	15	15		1	1		<1	~1% pyrite (25-100µm).
	5	C	25	25		1	1		1	
							2	33.6	1	
863602	15	C	75	75	1		1		8	5 grains copper (25-75µm).
							1	78.4	8	~0.5% pyrite (25-250µm). ~0.5% marcasite (25-75µm).
863603	25	C	100	150	1		1		23	~10 grains copper (50-150µm).
	46	C	250	250	1		1		182	~100 grains galena (25-150µm).
							2	118.8	206	~2% pyrite (25-250µm).
863604	5	C	25	25	1		1		<1	~10 grains galena (50-100µm).
	15	C	50	100	1		2		15	~1% pyrite (25-100µm).
	18	C	50	125		1	1		11	
	15	C	75	75	1		1		9	
	59	C	250	425	1		1		637	
							6	74.4	672	
863605	No Visible Gold									1 grain copper (100µm). ~10 grains galena (25-100µm). ~10 grains arsenopyrite (25-75µm). ~1% pyrite (25-150µm).
863606	8	C	25	50	1		1		1	~20 grains copper (25-500µm).
	10	C	25	75	1		1		2	~0.5% pyrite (25-150µm).
	10	C	50	50	1		1		2	~0.5% marcasite (25-75µm).
	13	C	50	75	1	1	2		8	

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Detailed Gold Grain Data

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File Name: 20177437 - Anglo Gold Ashanti - Burr - (Minnesota) - April 2017

Total Number of Samples in this Report: 52

ODM Batch Number(s): 7478

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			
							5	95.2	12	
863607	5	C	25	25		1	1		<1	~20 grains copper (25-100µm).
	8	C	25	50	1		1		1	~0.5% pyrite (25-250µm).
	10	C	50	50	1		1		2	
	29	C	150	150	1		1		53	
							4	92.4	57	
863608	5	C	25	25	1		1		<1	~0.5% pyrite (25-250µm).
	8	C	25	50	1		1		1	~2000 grains marcasite (25-50µm).
	10	C	50	50	1		1		2	
	15	C	50	100	1		1		6	
	22	C	75	150		1	1		19	
							5	100.8	27	
863609	3	C	15	15	6	3	9		<1	~10 grains galena (25-50µm).
	5	C	25	25	3	1	4		1	~0.5% pyrite (25-250µm).
	8	C	25	50	2		2		1	~2000 grains marcasite (25-50µm).
	10	C	25	75	3		3		3	
	10	C	50	50	2		2		3	
	13	C	50	75	1		1		3	
							21	128.8	11	
863610	5	C	25	25	1	1	2		<1	~1% pyrite (25-250µm).
	8	C	25	50	2		2		1	
	10	C	25	75	1		1		1	
	10	C	50	50	1		1		2	
	15	C	50	100	1		1		4	
							7	126.8	9	
863611	10	C	50	50	1		1		2	~0.5% pyrite (25-150µm).
							1	94.0	2	~0.5% marcasite (25-75µm).
863612	5	C	25	25	1		1		<1	5 grains copper (25-75µm).
	8	C	25	50	1		1		1	~20 grains galena (25-250µm).
	10	C	25	75	1		1		3	3 grains arsenopyrite (50-75µm).
							3	52.0	5	~1% pyrite (25-250µm).
										~2000 grains marcasite (25-50µm).
863613	13	C	50	75	1		1		10	1 grain copper (125µm).
							1	36.0	10	~20 grains galena (25-100µm).
										2 grains arsenopyrite (75µm).
										~0.5% pyrite (25-250µm).
										~500 grains marcasite (25-50µm).
863614	10	C	50	50	1		1		2	1 grain copper (50µm).
							1	97.2	2	1 grain galena (125µm).
										~1% pyrite (25-250µm).
										~2000 grains marcasite (25-250µm).
863615	18	C	75	100	1		1		15	3 grains arsenopyrite (50µm).
							1	68.0	15	~1% pyrite (25-250µm).
										~1000 grains marcasite (25-50µm).
863616	15	C	75	75	1		1		10	~10 grains copper (25-100µm).
	25	C	100	150	1		1		45	~10 grains arsenopyrite (25-150µm).
							2	62.0	55	~3000 grains pyrite (25-150µm).
										~2000 grains marcasite (25-75µm).

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Detailed Gold Grain Data

Client: Anglo Gold Ashanti

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Total Number of Samples in this Report: 52

ODM Batch Number(s): 7478

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			
863617	15	C	75	75	1		1		9	~0.5% pyrite (25-250µm).
							1	67.6	9	~0.5% marcasite (25-75µm).
863618	3	C	15	15	3		3		<1	5 grains arsenopyrite (50-100µm).
	5	C	25	25	1		1		<1	~1% pyrite (25-250µm).
	8	C	25	50	1		1		1	~0.5% marcasite (25-50µm).
	13	C	25	100		1	1		4	
	10	C	50	50	1		1		3	
	13	C	50	75		1	1		5	
	15	C	50	100	2		2		17	
	18	C	75	100	2		2		29	
							12	67.6	59	
863619	3	C	15	15	1		3		<1	~1% pyrite (25-250µm).
	5	C	25	25		2	1		<1	~1% marcasite (25-50µm).
	8	C	25	50	2		2		1	
	10	C	50	50	3		3		5	
	13	C	50	75	4		4		13	
	15	C	75	75	2		2		12	
	18	C	75	100	2		2		18	
							17	110.8	49	
863620	8	C	25	50	1		1		7	~3000 grains pyrite (25-250µm).
	10	C	50	50	1	1	2		37	~2000 grains marcasite (25-75µm).
	15	C	50	100	1		1		55	
	20	C	50	150	1		1		108	
							5	10.4	207	
863623	3	C	15	15	2	1	4		<1	3 grains galena (50-75µm).
	5	C	25	25	1	1	2		<1	~0.5% pyrite (25-250µm).
	8	C	25	50	5		5		3	
	10	C	25	75	2		2		2	
							13	116.4	6	
863625	5	C	25	25	1		1		1	~1% pyrite (25-250µm).
	8	C	25	50	2		2		4	
							3	34.8	5	
863626	50	M	150	200	1		1		284	~20 grains arsenopyrite (50-150µm).
							1	39.6	284	~1% pyrite (25-150µm).
863627	5	C	25	25	1		1		1	~1% pyrite (25-250µm).
	15	C	75	75	1		1		21	
							2	30.8	22	
863629	13	C	50	75	1		1		9	~2% pyrite (25-250µm).
							1	38.8	9	
863630	22	C	75	150	1		1		25	8 grains copper (25-100µm).
							1	76.4	25	2 grains arsenopyrite (100-150µm).
										~1% pyrite (25-1000µm).
										~0.5% marcasite (25-1000µm).
863631	5	C	25	25	1		1		<1	~20 grains galena (50-100µm).
	13	C	50	75	1	1	2		6	~20 grains arsenopyrite (50-250µm).
	20	C	50	150	1		1		9	~2% pyrite (50-250µm).
	20	C	100	100	1		1		13	~3000 grains marcasite (25-75µm).
							5	119.6	28	

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Detailed Gold Grain Data

Client: Anglo Gold Ashanti

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Total Number of Samples in this Report: 52

ODM Batch Number(s): 7478

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			
863634	20	C	100	100	1		1		30	1 grain copper (100µm).
	27	C	125	150	1		1		77	~0.5% pyrite (25-250µm).
							2	49.2	108	~5000 grains tungsten carbide (25-250µm; contamination).
863635	8	C	25	50	1		1		2	2 grains copper (100-150µm).
	10	C	50	50	1		1		4	~0.5% pyrite (25-250µm).
							2	43.2	6	~2000 grains tungsten carbide (25-250µm; contamination).
863636	15	C	50	100	1		1		8	~2% pyrite (25-1000µm).
							1	70.0	8	~5000 grains tungsten carbide (25-250µm; contamination).
863637	8	C	25	50	1		1		1	~1% pyrite (25-150µm).
	13	C	50	75	1		1		4	~2000 grains tungsten carbide (25-250µm; contamination).
	20	C	75	125	1		1		18	
							3	80.0	23	
863638	No Visible Gold									~5% pyrite (25-250µm).
863639	10	C	50	50	1		1		3	~5% pyrite (25-250µm).
	20	C	75	125	1		1		23	
							2	61.2	26	
863641	3	C	15	15	1		1		<1	~50 grains pyrite (25-250µm).
	5	C	25	25	1		1		<1	
	8	C	25	50	1		1		1	
							3	128.8	1	
863642	5	C	25	25	1	1	2		1	~20 grains arsenopyrite (50-250µm).
	8	C	25	50	1		1		1	~5000 grains pyrite (25-250µm).
	10	C	25	75		1	1		1	~5000 grains marcasite (25-100µm).
	25	C	100	150	1		1		29	
							5	97.2	31	
863643	5	C	25	25		1	1		<1	1 grain copper (250µm).
	8	C	25	50	1		1		1	1 grain arsenopyrite (500µm).
							2	99.2	1	~1% pyrite (25-1000µm).
863644										~2000 grains marcasite (25-50µm).
	3	C	15	15	1	1	2		<1	~5% pyrite (25-1000µm).
	5	C	25	25	1		1		<1	~1000 grains tungsten carbide (25-150µm; contamination).
	8	C	25	50	1	1	2		3	
	31	C	125	200	1		1		102	
							6	58.0	105	
863646	5	C	25	25		1	1		<1	3 grains copper (25-250µm).
	8	C	25	50	2		2		2	~1% pyrite (25-1000µm).
	10	C	25	75		1	1		2	~2000 grains marcasite (25-75µm).
	10	C	50	50	1		1		2	
							5	90.4	6	
863647	3	C	15	15	10	2	12		1	~1000 grains pyrite (25-100µm).
	5	C	25	25	2		3		1	
	8	C	25	50	2		2		1	
	10	C	50	50		1	1		2	
	13	C	50	75	2		3		10	

* 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: 20177437 - Anglo Gold Ashanti - Burr - (Minnesota) - April 2017

Total Number of Samples in this Report: 52

ODM Batch Number(s): 7478

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			
	18	C	75	100	1	1	2	19		
							23	103.6	34	
863648	8	C	25	50	1		1	1		~20 grains molybdenite (25-100µm).
	10	C	50	50	1		1	2		~1000 grains pyrite (25-150µm).
							2	113.6	2	
863649	5	C	25	25		1	1	<1		~1000 grains pyrite (25-150µm).
	15	C	75	75	1		1	6		
							2	116.0	6	
863650	5	C	25	25	1	1	2	<1		~1% pyrite (25-250µm).
	8	C	25	50	1	1	2	1		
	10	C	50	50	1		1	1		
	15	C	75	75	1		1	5		
	18	C	75	100	1		1	7		
							7	140.4	14	
863651	3	C	15	15		1	1	<1		~2% pyrite (25-750µm).
	5	C	25	25	1	1	2	1		
	8	C	25	50		1	1	2		
							4	39.2	3	

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

Heavy Mineral Processing Weights

Client: Anglo Gold Ashanti

File Name: 20177437 - Anglo Gold Ashanti - Burr - (Minnesota) - April 2017

Total Number of Samples in this Report: 52

ODM Batch Number(s): 7478

Sample Number	Table Concentrate Weight (g)							
	Heavy Liquid Separation S.G. 3.20							
	Total	Lights	HMC					
			Total	Mag	Nonferromagnetic HMC			
					Total	Excess	Analytical Split	
							INA	ICP
863528	289.5	283.2	6.3	1.2	5.1	0.0	4.1	1.0
863529	407.1	393.2	13.9	2.8	11.1	0.0	8.1	3.0
863530	297.3	279.2	18.1	3.4	14.7	0.0	11.7	3.0
863531	321.3	280.9	40.4	6.2	34.2	0.0	29.2	5.0
863533	213.1	209.0	4.1	0.8	3.3	0.0	2.3	1.0
863534	193.1	184.5	8.6	1.9	6.7	0.0	4.7	2.0
863536	185.9	181.0	4.9	0.8	4.1	0.0	3.1	1.0
863539	334.1	288.8	45.3	8.9	36.4	0.0	31.4	5.0
863540	367.8	331.6	36.2	3.8	32.4	0.0	27.4	5.0
863541	479.2	267.2	212.0	19.8	192.2	127.2	60.0	5.0
863542	467.7	249.7	218.0	18.9	199.1	134.1	60.0	5.0
863546	432.2	248.5	183.7	21.6	162.1	97.1	60.0	5.0
863550	265.4	249.7	15.7	4.0	11.7	0.0	8.7	3.0
863551	355.2	325.8	29.4	3.8	25.6	0.0	20.6	5.0
863552	364.6	338.1	26.5	4.8	21.7	0.0	16.7	5.0
863554	293.4	242.6	50.8	7.2	43.6	0.0	38.6	5.0
863555	387.3	210.7	176.6	26.6	150.0	85.0	60.0	5.0
863556	295.1	227.3	67.8	14.9	52.9	0.0	47.9	5.0
863558	165.3	159.0	6.3	1.0	5.3	0.0	4.3	1.0
863560	291.6	272.6	19.0	4.9	14.1	0.0	11.1	3.0
863561	349.3	300.9	48.4	8.2	40.2	0.0	35.2	5.0
863563	279.3	258.2	21.1	5.5	15.6	0.0	10.6	5.0
863565	318.3	256.3	62.0	11.0	51.0	0.0	46.0	5.0
863568	303.8	276.9	26.9	6.4	20.5	0.0	15.5	5.0
863569	255.3	225.3	30.0	7.0	23.0	0.0	18.0	5.0
863570	432.4	290.0	142.4	22.3	120.1	55.1	60.0	5.0
863571	330.5	280.6	49.9	8.1	41.8	0.0	36.8	5.0
863572	295.3	266.1	29.2	5.0	24.2	0.0	19.2	5.0
863574	291.2	285.8	5.4	1.7	3.7	0.0	2.7	1.0
863575	320.1	226.6	93.5	15.7	77.8	12.8	60.0	5.0
863576	205.0	188.1	16.9	1.9	15.0	0.0	10.0	5.0
863577	273.4	166.9	106.5	12.0	94.5	29.5	60.0	5.0
863578	307.0	271.0	36.0	7.5	28.5	0.0	23.5	5.0
863579	329.0	225.0	104.0	14.0	90.0	25.0	60.0	5.0
863580	335.0	313.3	21.7	3.7	18.0	0.0	13.0	5.0
863581	445.6	314.3	131.3	16.8	114.5	49.5	60.0	5.0
863583	378.2	322.8	55.4	9.1	46.3	0.0	41.3	5.0
863586	288.4	258.1	30.3	6.2	24.1	0.0	19.1	5.0
863587	347.9	325.3	22.6	2.8	19.8	0.0	14.8	5.0
863589	264.9	200.3	64.6	9.6	55.0	0.0	50.0	5.0
863591	163.7	146.6	17.1	1.2	15.9	0.0	10.9	5.0
863592	300.3	295.1	5.2	0.2	5.0	0.0	4.0	1.0
863595	360.0	327.2	32.8	7.6	25.2	0.0	20.2	5.0

Heavy Mineral Processing Weights

Client: Anglo Gold Ashanti

File Name: 20177437 - Anglo Gold Ashanti - Burr - (Minnesota) - April 2017

Total Number of Samples in this Report: 52

ODM Batch Number(s): 7478

Sample Number	Table Concentrate Weight (g)							
	Heavy Liquid Separation S.G. 3.20							
	Total	Lights	HMC					
			Total	Mag	Nonferromagnetic HMC			
					Total	Excess	Analytical Split	
							INA	ICP
863596	224.4	214.3	10.1	1.6	8.5	0.0	6.5	2.0
863597	307.1	273.8	33.3	5.0	28.3	0.0	23.3	5.0
863600	211.1	159.5	51.6	5.0	46.6	0.0	41.6	5.0
863602	318.6	303.7	14.9	3.9	11.0	0.0	8.0	3.0
863603	464.1	360.3	103.8	12.2	91.6	26.6	60.0	5.0
863604	332.9	271.9	61.0	7.1	53.9	0.0	48.9	5.0
863605	175.2	156.2	19.0	3.4	15.6	0.0	10.6	5.0
863606	342.6	289.3	53.3	9.5	43.8	0.0	38.8	5.0
863607	327.7	277.8	49.9	4.8	45.1	0.0	40.1	5.0
863608	260.5	147.1	113.4	19.8	93.6	28.6	60.0	5.0
863609	213.7	109.4	104.3	19.4	84.9	19.9	60.0	5.0
863610	435.3	318.6	116.7	14.9	101.8	36.8	60.0	5.0
863611	404.0	321.2	82.8	10.0	72.8	7.8	60.0	5.0
863612	232.9	208.4	24.5	3.9	20.6	0.0	15.6	5.0
863613	248.4	223.9	24.5	4.5	20.0	0.0	15.0	5.0
863614	850.4	835.4	15.0	3.0	12.0	0.0	9.0	3.0
863615	330.6	245.7	84.9	13.3	71.6	6.6	60.0	5.0
863616	315.9	250.4	65.5	9.3	56.2	0.0	51.2	5.0
863617	327.8	247.6	80.2	11.9	68.3	0.0	63.3	5.0
863618	297.5	208.6	88.9	13.2	75.7	10.7	60.0	5.0
863619	426.1	285.5	140.6	19.6	121.0	56.0	60.0	5.0
863620	184.0	176.2	7.8	0.8	7.0	0.0	5.0	2.0
863623	329.5	236.4	93.1	13.6	79.5	14.5	60.0	5.0
863625	220.8	177.0	43.8	5.8	38.0	0.0	33.0	5.0
863626	216.5	168.7	47.8	5.7	42.1	0.0	37.1	5.0
863627	281.4	228.0	53.4	8.0	45.4	0.0	40.4	5.0
863629	373.3	323.9	49.4	3.7	45.7	0.0	40.7	5.0
863630	180.3	161.2	19.1	6.0	13.1	0.0	10.1	3.0
863631	396.8	303.6	93.2	17.0	76.2	11.2	60.0	5.0
863634	312.9	253.1	59.8	13.8	46.0	0.0	41.0	5.0
863635	294.4	232.7	61.7	8.0	53.7	0.0	48.7	5.0
863636	300.7	153.3	147.4	90.6	56.8	0.0	51.8	5.0
863637	384.2	234.4	149.8	101.5	48.3	0.0	43.3	5.0
863638	460.7	400.0	60.7	22.4	38.3	0.0	33.3	5.0
863639	393.8	299.6	94.2	10.7	83.5	18.5	60.0	5.0
863641	316.0	229.0	87.0	10.8	76.2	11.2	60.0	5.0
863642	388.7	353.8	34.9	10.5	24.4	0.0	19.4	5.0
863643	497.7	434.0	63.7	12.1	51.6	0.0	46.6	5.0
863644	395.1	343.2	51.9	8.0	43.9	0.0	38.9	5.0
863646	370.6	348.0	22.6	5.9	16.7	0.0	11.7	5.0
863647	384.4	270.1	114.3	17.9	96.4	31.4	60.0	5.0
863648	557.6	485.6	72.0	13.7	58.3	0.0	53.3	5.0
863649	377.1	271.7	105.4	18.0	87.4	22.4	60.0	5.0

Heavy Mineral Processing Weights

Client: Anglo Gold Ashanti

File Name: 20177437 - Anglo Gold Ashanti - Burr - (Minnesota) - April 2017

Total Number of Samples in this Report: 52

ODM Batch Number(s): 7478

Sample Number	Table Concentrate Weight (g)							
	Total	Lights	Heavy Liquid Separation S.G. 3.20					
			Total	Mag	HMC			
					Nonferromagnetic HMC			
					Total	Excess	Analytical Split	
INA	ICP							
863650	335.8	206.3	129.5	25.9	103.6	38.6	60.0	5.0
863651	477.5	377.6	99.9	17.7	82.2	17.2	60.0	5.0

-0.063 mm Clay-Silt Fraction Weights

Client: Anglo Gold Ashanti

File Name: 20177437 - Anglo Gold Ashanti - Burr - (Minnesota) - April 2017

Total Number of Samples in this Report: 52

ODM Batch Number(s): 7478

Sample Number	Archival Split Weight (g)				
	Total	Excess	Sieved Split		
			Total	+0.063 mm	-0.063 mm
863528	338.1	0.0	336.2	225.9	110.3
863529	391.3	0.0	390.0	160.4	229.6
863530	389.9	0.0	389.9	159.9	230.0
863531	441.0	0.0	441.0	379.1	61.9
863533	323.4	0.0	323.4	248.2	75.2
863534	455.6	0.0	455.6	399.3	56.3
863536	369.4	0.0	369.4	233.0	136.4
863539	413.0	0.0	413.0	309.8	103.2
863540	419.1	0.0	419.1	259.0	160.1
863541	418.7	0.0	418.7	265.1	153.6
863542	477.2	0.0	477.2	440.4	36.8
863546	419.5	0.0	419.5	390.7	28.8
863550	386.9	0.0	386.9	278.7	108.2
863551	438.8	0.0	438.8	332.9	105.9
863552	509.4	0.0	509.4	392.3	117.1
863554	451.9	0.0	451.9	308.1	143.8
863555	442.9	0.0	442.9	360.7	82.2
863556	387.1	0.0	387.1	278.2	108.9
863558	376.0	0.0	376.0	284.1	91.9
863560	352.5	0.0	349.2	251.7	97.5
863561	460.6	0.0	458.7	367.1	91.6
863563	362.2	0.0	359.2	235.8	123.4
863565	446.8	0.0	445.6	404.2	41.4
863568	423.7	0.0	421.2	309.4	111.8
863569	385.2	0.0	382.1	326.4	55.7
863570	402.3	0.0	401.0	369.8	31.2
863571	441.9	0.0	439.5	305.0	134.5
863572	470.5	0.0	469.4	408.9	60.5
863574	385.3	0.0	378.7	251.0	127.7
863575	404.5	0.0	403.2	294.7	108.5
863576	463.6	0.0	462.2	419.8	42.4
863577	422.6	0.0	421.8	390.9	30.9
863578	440.6	0.0	437.3	266.0	171.3
863579	484.3	0.0	483.4	457.7	25.7
863580	365.7	0.0	362.3	281.2	81.1
863581	515.8	0.0	514.5	416.1	98.4
863583	404.2	0.0	402.5	267.3	135.2
863586	408.1	0.0	407.7	328.7	79.0
863587	407.0	0.0	406.7	148.7	258.0
863589	458.5	0.0	457.3	383.1	74.2
863591	625.1	0.0	623.5	558.4	65.1
863592	488.1	0.0	487.3	442.1	45.2

-0.063 mm Clay-Silt Fraction Weights

Client: Anglo Gold Ashanti

File Name: 20177437 - Anglo Gold Ashanti - Burr - (Minnesota) - April 2017

Total Number of Samples in this Report: 52

ODM Batch Number(s): 7478

Sample Number	Archival Split Weight (g)				
	Total	Excess	Sieved Split		
			Total	+0.063 mm	-0.063 mm
863595	440.3	0.0	432.6	337.9	94.7
863596	505.6	0.0	504.6	469.1	35.5
863597	435.8	0.0	434.5	389.3	45.2
863600	490.2	0.0	489.5	447.6	41.9
863602	458.6	0.0	457.2	374.1	83.1
863603	448.3	0.0	448.3	424.7	23.6
863604	483.9	0.0	483.8	452.5	31.3
863605	500.0	0.0	501.4	413.3	88.1
863606	464.2	0.0	464.7	404.2	60.5
863607	449.1	0.0	446.8	301.0	145.8
863608	449.1	0.0	450.1	399.3	50.8
863609	482.2	0.0	481.1	420.1	61.0
863610	478.3	0.0	475.6	468.1	7.5
863611	435.3	0.0	433.1	243.2	189.9
863612	447.7	0.0	440.8	342.6	98.2
863613	471.1	0.0	469.1	390.3	78.8
863614	347.8	0.0	340.9	275.3	65.6
863615	420.8	0.0	417.3	390.3	27.0
863616	425.8	0.0	424.1	370.1	54.0
863617	432.9	0.0	430.3	304.1	126.2
863618	472.2	0.0	470.3	415.4	54.9
863619	472.0	0.0	470.7	407.5	63.2
863620	511.2	0.0	508.7	333.0	175.7
863623	407.7	0.0	405.8	288.6	117.2
863625	488.7	0.0	487.3	453.9	33.4
863626	490.1	0.0	485.8	422.8	63.0
863627	534.8	0.0	533.9	515.3	18.6
863629	445.2	0.0	444.1	376.9	67.2
863630	473.8	0.0	466.2	354.3	111.9
863631	417.3	0.0	412.7	355.2	57.5
863634	523.1	0.0	518.6	461.8	56.8
863635	519.4	0.0	514.5	480.8	33.7
863636	507.2	0.0	499.9	337.5	162.4
863637	457.4	0.0	453.6	346.0	107.6
863638	419.4	0.0	414.5	264.2	150.3
863639	543.1	0.0	536.5	358.7	177.8
863641	351.5	0.0	348.7	302.5	46.2
863642	429.9	0.0	425.1	350.7	74.4
863643	516.5	0.0	510.5	300.4	210.1
863644	421.5	0.0	416.8	318.7	98.1
863646	409.2	0.0	402.2	315.5	86.7
863647	452.1	0.0	447.2	206.1	241.1

-0.063 mm Clay-Silt Fraction Weights

Client: Anglo Gold Ashanti

File Name: 20177437 - Anglo Gold Ashanti - Burr - (Minnesota) - April 2017

Total Number of Samples in this Report: 52

ODM Batch Number(s): 7478

Sample Number	Archival Split Weight (g)				
	Total	Excess	Sieved Split		
			Total	+0.063 mm	-0.063 mm
863648	426.1	0.0	421.7	410.8	10.9
863649	414.1	0.0	408.5	404.4	4.1
863650	443.6	0.0	437.9	374.3	63.6
863651	561.3	0.0	554.9	487.8	67.1

Pebble Sizing (Selected Samples)

Client: Anglo Gold Ashanti

File Name: 20177437 - Anglo Gold Ashanti - Burr - (Minnesota) - April 2017

Total Number of Samples in this Report: 21

ODM Batch Number(s): 7437

Sample Number	8-16 mm
863504	719.8
863505	2218.6
863515	1411.9
863523	766.7
863524	1181.4
863525	1136.7
863531	364.0
863534	864.0
863537	179.7
863543	2820.6
863544	1790.5
863547	2161.0
863548	2146.5
863551	982.8
863552	2212.9
863556	1116.2
863557	247.3
863558	159.4
863561	828.9
863566	381.4
863570	167.3
863571	963.0
863576	1032.9

Client: Anglo Gold Ashanti
File Name: 20177437 - Anglo Gold Ashanti - Burr - (Minnesota) - April 2017
Total Number of Samples in this Report: 50
ODM Batch Number(s): 7465

CDM batch numbers: 7465																			
8 - 18 mm Pebble Count (number of pebbles)																			
Sample Number	Greenstone Belt										Metamorphic Rocks					Proterozoic Rocks		Total	Remarks
	Ultramafic volcanic	Mafic volcanic	Intermediate volcanic and tuff	Felsic volcanic and tuff	Porphyry	Gabbro	Greywacke, siltstone	Iron formation/ chert	Granitic rocks	Syenite	Shear zone	Quartz vein	Amphibolite (mafic volcanic protolith)	Fine-grained grey biotite gneiss (greywacke protolith)	Granitic and other sedimentary gneiss	Diorite	Other		
863504	0	6	3	0	0	0	11	4	28	0	0	3	1	35	8	0	0	100	
863505	0	30	4	0	1	2	3	0	31	0	0	4	1	11	8	5	0	100	
863515	0	14	2	0	0	1	1	0	44	0	0	0	1	28	6	4	1 mafic sandstone (Phanerozoic)	100	
863523	0	94	0	0	0	0	0	0	0	0	0	4	1	1	0	0	0	100	92 of 94 mafic volcanic pebbles are finely sheared basalt.
863524	0	27	2	0	0	2	5	0	20	0	0	6	0	32	3	0	3 muscovite schist	100	10 mafic volcanic pebbles are finely sheared basalt similar to those in 863523. Muscovite schist pebbles are composed entirely of muscovite (SEM confirmed).
863525	2	27	0	0	0	1	0	0	9	0	0	5	1	43	6	4	2 muscovite schist	100	2 ultramafic pebbles consist of ilmenite and pyroxene.
863537	1	0	0	0	0	0	15	0	3	0	0	1	0	43	11	1	0	76	
863543	0	22	3	0	0	0	27	2 chert	15	0	0	0	1	22	7	0	1 dolomitic limestone (Phanerozoic)	100	One greywacke siltstone pebble is silicified with ~20% pyrite. Most Greenstone Belt pebbles are strongly foliated and linear.
863547	1	0	0	0	19	6	0	0	17	0	0	3	0	50	4	0	0	100	
863531	0	0	0	0	0	1	0	1	33	0	0	3	0	45	18	1	0	100	
863534	3	0	0	0	1	2	0	0	19	0	0	0	0	65	9	0	1 mafic sandstone (Phanerozoic)	100	
863544	1	99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	Mafic volcanic pebbles are sheared & sometimes pyritic.
863548	1	28	0	0	6	6	0	0	17	0	0	1	0	31	9	1	0	100	
863551	0	5	0	0	4	5	0	1	19	0	0	2	0	58	5	0	0	100	
863562	3	0	0	0	0	12	0	1	20	0	0	2	0	54	7	1	0	100	
863566	10	1	0	0	0	12	0	0	7	0	0	2	0	62	6	0	0	100	
863567	0	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	
863568	0	95	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	96	Mafic volcanic pebbles are variably epidotized and pyritic.

Client: Anglo Gold Ashanti
File Name: 20177437 - Anglo Gold Ashanti - Burr - (Minnesota) - April 2017
Total Number of Samples in this Report: 50
ODM Batch Number(s): 7455

ODM Batch Number(s): 7465		8 - 16 mm Pebble Count (number of pebbles)																		
Sample Number	Ultramafic volcanic	Greenstone Belt										Metamorphic Rocks				Proterozoic Rocks	Total	Remarks		
		Mafic volcanic	Intermediate volcanic and tuff	Felsic volcanic and tuff	Pomphyry	Gabbro	Greywacke, siltstone	Iron formation/ chert	Granitic rocks	Syenite	Shear zone	Quartz vein	Amphibolite (mafic volcanic protolith)	Fine-grained grey biotite gneiss (greywacke protolith)	Granitic and other sedimentary gneiss	Diabase			Other (1 cherty dolomite (Phanerozoic) 1 sandstone (Phanerozoic))	
863561	0	21	0	0	6	2	0	0	0	31	0	0	4	0	24	11	0	1 cherty dolomite (Phanerozoic)	100	
863566	0	70	0	0	2	1	0	0	9	0	0	0	0	9	7	0	0	1 cherty dolomite (Phanerozoic) 1 sandstone (Phanerozoic)	100	
863570	0	38	3	0	0	4	0	0	18	0	0	0	0	22	11	4	0		100	
863571	0	41	2	0	0	2	2	0	23	0	0	1	0	18	7	4	0		100	
863576	0	2	0	0	0	0	0	0	17	0	0	2	0	63	14	2	0		100	
863584	0	12	1	0	2	0	0	0	31	0	0	1	2	41	10	0	0	5 quartz muscovite schist	100	
863588	0	4	6	0	1	1	0	0	28	0	0	1	0	47	7	0	0			
863589	0	4	0	0	0	1	0	1	21	0	0	2	0	67	2	0	0	2 quartz muscovite schist	100	
863591	0	0	3	0	2	1	0	0	10	0	0	2	0	61	21	0	0		100	One Granitic pebble is strongly hematized and displays graphic texture. Eight granitic gneiss pebbles have green mica (biotite - SEM confirmed). 3 of these pebbles show evidence of brecciation.
863596	0	36	4	0	1	1	0	0	18	0	0	2	8	20	10	0	0		100	
863599	0	30	3	2	0	6	0	0	24	0	0	2	3	26	4	0	0		100	
863600	0	45	3	0	0	0	0	0	24	0	0	2	0	15	9	2	0		100	
863605	0	5	6	0	10	3	0	0	22	0	0	1	0	46	4	3	0		100	
863613	0	1	9	1	2	1	0	0	36	0	0	1	0	34	13	2	0	One pebble of Granitic gneiss contains green mica.	100	
863616	0	3	12	4	2	3	0	0	33	0	0	2	1	33	7	0	0		100	
863617	0	0	7	0	0	2	0	0	33	0	0	3	0	33	20	2	0		100	

ODM Batch Number(s): 7465																	8 - 16 mm Pebble Count (number of pebbles)											
Greenstone Belt												Metamorphic Rocks					Proterozoic Rocks											
Sample Number	Ultramafic volcanic	Mafic Volcanic	Intermediate volcanic and tuff	Felsic volcanic and tuff	Porphyry	Gabbro	Greywacke, siltstone	Iron formation/ chert	Granitic rocks	Syenite	Shear zone	Quartz vein	Amphibolite (mafic volcanic protolith)	Fine-grained grey biotite gneiss (greywacke protolith)	Granitic and other sedimentary gneiss	Diabase	Other	Total	Remarks									
863618	0	1	11	2	0	2	0	2	40	0	0	2	4	29	7	0	0	100										
863619	0	4	4	4	2	3	0	4	37	0	0	6	0	29	5	2	0	100										
863620	0	8	0	0	0	1	0	0	2	0	0	0	0	2	0	0	0	13										
863624	0	8	5	0	0	5	0	8	46	0	0	4	3	20	1	0	0	100										
863625	0	5	5	3	0	5	0	2	45	0	0	2	0	28	4	0	0	100										
863626	0	3	2	3	0	6	0	0	61	0	0	5	1	15	2	0	0	100										
863628	0	8	4	6	1	8	0	0	33	0	0	7	1	23	6	1	0	100										
863629	0	15	6	2	1	16	0	0	33	0	0	8	0	11	7	0	0	100										
863632	0	18	0	1	2	24	0	0	32	0	0	1	0	11	11	0	0	100										
863634	0	34	1	3	1	4	0	0	33	0	0	2	4	10	6	0	0	100										
863636	0	8	1	0	0	6	0	0	4	0	0	0	0	2	1	0	0	22										
863637	0	47	3	0	0	27	0	0	18	0	0	0	0	6	0	0	0	100										
863639	0	82	17	0	0	0	0	0	0	0	0	1	0	0	0	0	0	100	Intermediate volcanics may be slightly less mafic basalt.									
863643	0	4	1	6	1	0	0	0	51	0	0	2	1	20	12	1	1	100	Six felsic volcanic pebbles are shards of a single cobble.									
863644	2	26	0	1	1	19	0	0	34	0	0	0	1	6	10	0	0	100										
863651	0	26	3	1	0	5	0	0	46	0	0	0	5	8	7	0	0	100										