

APPENDIX A: DETAILED RESERVES AND RESOURCE

Resources shown inclusive of Reserves	ON A 100% BASIS			ON AN ATTRIBUTABLE BASIS		
	Tonnage (Mt)	Grade (Au g/t)	Content (Au koz)	Tonnage (Mt)	Grade (Au g/t)	Content (Au koz)
Bougou Mine (90% owned)						
Proven Reserves	0.6	2.32	48	0.6	2.32	43
Probable Reserves	8.3	2.96	785	7.4	2.96	707
P&P Reserves	8.9	2.91	833	8.0	2.91	750
Measured Resource (incl. reserves)	0.6	2.82	58	0.6	2.82	52
Indicated Resources (incl. reserves)	7.9	3.65	929	7.1	3.65	836
M&I Resources (incl. reserves)	8.6	3.59	987	7.7	3.59	888
Inferred Resources	—	2.60	2	0.0	2.60	2
Houndé Mine (90% owned except 100% owned Golden Hill)						
Proven Reserves	2.9	1.13	106	2.6	1.13	96
Probable Reserves	51.1	1.60	2,626	46.0	1.60	2,364
P&P Reserves	54.0	1.57	2,733	48.6	1.57	2,459
Measured Resource (incl. reserves)	3.0	1.13	110	2.7	1.13	99
Indicated Resources (incl. reserves)	90.4	1.57	4,567	81.3	1.57	4,094
M&I Resources (incl. reserves)	93.4	1.56	4,678	84.0	1.55	4,193
Inferred Resources	20.6	1.63	1,080	19.6	1.64	1,037
Ity Mine (85% owned except 100% owned Le Plaque)						
Proven Reserves	11.4	0.82	300	9.7	0.82	255
Probable Reserves	46.5	1.82	2,721	39.8	1.82	2,340
P&P Reserves	57.9	1.62	3,021	49.5	1.62	2,595
Measured Resource (incl. reserves)	11.7	0.79	298	9.9	0.79	254
Indicated Resources (incl. reserves)	85.3	1.70	4,673	72.9	1.70	4,005
M&I Resources (incl. reserves)	96.9	1.59	4,971	82.8	1.59	4,258
Inferred Resources	17.1	1.59	873	14.5	1.59	743
Mana Mine (90% owned)						
Proven Reserves	—	1.85	1	0.0	1.85	1
Probable Reserves	8.3	3.19	852	7.5	3.19	766
P&P Reserves	8.3	3.19	852	7.5	3.19	767
Measured Resource (incl. reserves)	7.8	1.83	460	7.0	1.83	414
Indicated Resources (incl. reserves)	26.1	2.04	1,718	23.5	2.04	1,546
M&I Resources (incl. reserves)	34.0	1.99	2,177	30.6	1.99	1,960
Inferred Resources	2.9	3.48	326	2.6	3.48	293
Sabodala-Massawa Complex (90% owned)						
Proven Reserves	19.2	1.14	705	17.3	1.14	635
Probable Reserves	43.6	2.41	3,381	39.3	2.41	3,043
P&P Reserves	62.8	2.02	4,086	56.6	2.02	3,677
Measured Resource (incl. reserves)	22.3	1.18	843	20.0	1.18	759
Indicated Resources (incl. reserves)	83.8	2.04	5,490	75.4	2.04	4,941
M&I Resources (incl. reserves)	106.1	1.86	6,333	95.5	1.86	5,700
Inferred Resources	19.9	2.16	1,380	17.9	2.16	1,242
Wahgnion Mine (90% owned)						
Proven Reserves	1.8	0.67	39	1.6	0.67	35
Probable Reserves	12.2	1.72	676	11.0	1.72	608
P&P Reserves	14.0	1.59	715	12.6	1.59	644
Measured Resource (incl. reserves)	7.9	1.45	367	7.1	1.45	330
Indicated Resources (incl. reserves)	10.5	1.89	637	9.4	1.89	573
M&I Resources (incl. reserves)	18.4	1.70	1,004	16.5	1.70	904
Inferred Resources	0.5	1.23	20	0.5	1.23	18
Bantou (90% owned except 81% owned Karankasso)						
Proven Reserves	—	—	—	—	—	—
Probable Reserves	—	—	—	—	—	—
P&P Reserves	—	—	—	—	—	—
Measured Resource (incl. reserves)	—	—	—	—	—	—
Indicated Resources (incl. reserves)	18.1	1.22	707	16.3	1.22	637
M&I Resources (incl. reserves)	18.1	1.22	707	16.3	1.22	637

Inferred Resources	16.2	2.24	1,167	13.4	2.28	986
<i>Resources shown inclusive of Reserves</i>	Tonnage (Mt)	Grade (Au g/t)	Content (Au koz)	Tonnage (Mt)	Grade (Au g/t)	Content (Au koz)
Lafigué Project (80% owned)						
Proven Reserves	—	—	—	—	—	—
Probable Reserves	49.8	1.69	2,714	39.9	1.69	2,171
P&P Reserves	49.8	1.69	2,714	39.9	1.69	2,171
Measured Resource (incl. reserves)	—	—	—	—	—	—
Indicated Resources (incl. reserves)	46.2	2.04	3,026	37.0	2.04	2,421
M&I Resources (incl. reserves)	46.2	2.04	3,026	37.0	2.04	2,421
Inferred Resources	1.6	1.98	102	1.3	1.98	82
Kalana Project (80% owned)						
Proven Reserves	—	—	—	—	—	—
Probable Reserves	35.6	1.60	1,829	28.5	1.60	1,463
P&P Reserves	35.6	1.60	1,829	28.5	1.60	1,463
Measured Resource (incl. reserves)	—	—	—	—	—	—
Indicated Resources (incl. reserves)	46.0	1.57	2,318	36.8	1.57	1,854
M&I Resources (incl. reserves)	46.0	1.57	2,318	36.8	1.57	1,854
Inferred Resources	4.6	1.67	245	3.6	1.67	196
Nabanga (90% owned)						
Proven Reserves	—	—	—	—	—	—
Probable Reserves	—	—	—	—	—	—
P&P Reserves	—	—	—	—	—	—
Measured Resource (incl. reserves)	—	—	—	—	—	—
Indicated Resources (incl. reserves)	—	—	—	—	—	—
M&I Resources (incl. reserves)	—	—	—	—	—	—
Inferred Resources	3.4	7.69	841	3.1	7.69	757
Assafou (100% owned)						
Proven Reserves	—	—	—	—	—	—
Probable Reserves	—	—	—	—	—	—
P&P Reserves	—	—	—	—	—	—
Measured Resource (incl. reserves)	—	—	—	—	—	—
Indicated Resources (incl. reserves)	14.9	2.33	1,114	14.9	2.33	1,114
M&I Resources (incl. reserves)	14.9	2.33	1,114	14.9	2.33	1,114
Inferred Resources	32.9	1.80	1,903	32.9	1.80	1,903
Total - Endeavour Mining						
Proven Reserves	36.0	1.04	1,199	31.8	1.04	1,065
Probable Reserves	255.4	1.90	15,584	219.4	1.91	13,462
P&P Reserves	291.4	1.79	16,783	251.2	1.80	14,526
Measured Resource (incl. reserves)	53.3	1.25	2,136	47.3	1.25	1,908
Indicated Resources (incl. reserves)	429.2	1.82	25,179	374.6	1.83	22,021
M&I Resources (incl. reserves)	482.5	1.76	27,316	422.1	1.76	23,929
Inferred Resources	119.7	2.06	7,939	109.4	2.06	7,259

The mineral Reserves and Resources were estimated as at 31 December 2022 in accordance with the provisions adopted by the Canadian Institute of Mining Metallurgy and Petroleum (CIM) and incorporated into the NI 43-101. The Qualified Persons responsible for the mineral Reserve and Resource estimates are detailed in the following tables.

MINERAL RESOURCES

QUALIFIED PERSON	POSITION	PROPERTY/DEPOSIT
Kevin Harris, CPG	VP Resources, Endeavour Mining plc	Ity (Collin Sud, Le Plaque, Mont Ity/Walter, Bakatouo, ZiaNE, Verse Ouest-Teckraie, Aires, West Flotouo, Yopleu; Bakatouo NW, Verse East); Houndé (Dohoun, Kari Pump), Sabodala-Massawa, Wahgnion, Bantou, Boungou, Assafou, Mana (Fofina, Yaho, Filon 67, Fobiri, Yama), Nabanga
Helen Oliver, FGS, CGeol	Group Resource Geologist, Endeavour Mining plc	Houndé (Kari West, Kari Centre-Gap-South, Vindaloo South, Vindaloo Southeast, Dafra); Kalana (Kalanko), Mana (Maoula). Sabodala-Massawa (Bambarava)
Joseph Hirst, FGS, CGeol.	Resource Geologist, Endeavour Mining plc	Mana (Wona-Kona UG, Siou UG)
Patti Nakai-Lajoie, P.Geo.	VP Mine Geology and Grade Control, Endeavour Mining plc	Houndé (Golden Hill)
Mark Zammit, MAIG	Principal, Cube Consulting Pty Ltd	Ity (Daapleu, Gbeitouo), Houndé (Vindaloo except Dafra)
Dr. Lucy Roberts, AusIMM (CP)	Principal Consultant, SRK Consulting (UK) Ltd	Fetekro (Lafigué)
Paul Blackney, MAusIMM, MAIG	Principal Consultant, Optiro Pty Limited	Kalana (Kalana)

MINERAL RESERVES

QUALIFIED PERSON	POSITION	PROPERTY/DEPOSIT
Salih Ramazan, FAusIMM	Vice President, Mine Planning, Endeavour Mining plc	Ity, Houndé, Sabodala-Massawa (OP), Boungou and Wahgnion
Bryan Pullman, P.Eng	Principal Mining Engineer – Mining Advisory, SLR (UK)	Sabodala-Massawa (UG) & Mana (UG)
Francois Taljaard, Pr.Eng	Principal Consultant, Mining Engineering, SRK Consulting (UK) Ltd	Fetekro (Lafigué)
Allan Earl, FAusIMM	Executive Consultant, Snowden Mining Industry Consultants (Pty) Ltd	Kalana Project

- The mineral resources and reserves have been estimated and reported in accordance with Canadian National Instrument 43-101, 'Standards of Disclosure for Mineral Projects' and the Definition Standards adopted by CIM Council in May 10, 2014.
- Mineral resources that are not mineral reserves have not demonstrated economic viability at the Reserve gold price stated.
- All mineral resources are reported inclusive of mineral reserves.
- Tonnages are rounded to the nearest 100,000 tonnes; gold grades are rounded to one decimal place; ounces are rounded to the nearest 1,000oz. Rounding may result in apparent differences between tonnes, grade and contained metal.
- Tonnes and grade measurements are in metric units; contained gold is in Troy ounces.
- Processing recoveries vary at each pit by many factors including material types, mineralogy and chemistry of the ore. The overall average recoveries are around 89% at Sabodala, 90% at Houndé, 85% at Ity, 94% at Boungou, 88% at Mana and 92% at Wahgnion. The average processing recoveries at the development project's Lafigué and Kalana are 95% and 90% respectively.
- A mining permit application was submitted for the Golden Hill property, but the Company subsequently requested a withdrawal of that application in order to submit an exploration permit application. The prior exploration permit has expired. The Company has received confirmation from the Ministry of Mines on March 4, 2022 stating that they have received the Company's request.
- The reporting of mineral reserves and resources are based on a gold price as detailed below:

Au Price \$/oz	BOUNGOU	HOUNDE	ITY	MANA	SABODALA- MASSAWA	WAHGNION	LAFIGUÉ	KALANA
2022 Reserves	1,500	1,300	1,300	1,300	1,300	1,500	1,300	1,500
2021 Reserves	1,300	1,300	1,300	UG & OP 1,300	1,300	1,300	1,300	1,500
2022 Resources	1,500	1,500 1,800 ¹	1,500	UG at 1,500 OP at 1,500	1,500	1,500	1,500	1,500
2021 Resources	1,500	1,500 1,800 ¹	1,500	UG at 1,500 OP at 1,500	1,500	1,500	1,500	1,500

¹ Golden Hill resources, within the Houndé mine resources are at a Gold Price of \$1,800 per ounce.

Cut-off grades for the resources are as follows:

- a. Hounde: at 0.50g/t Au
- b. Ity at 0.50g/t Au
- c. Sabodala-Massawa: open pit from 0.31g/t to 1.00g/t Au. Underground from 2.00g/t to 2.84g/t Au
- d. Boungou: oxide at 0.91g/t Au, transition at 0.91g/t Au, sulphide at 1.05 g/t Au
- e. Mana: open pit for oxide at 0.41g/t Au to 0.56g/t Au, for transitional 0.44g/t Au to 0.69 g/t Au, and sulphide at 0.72g/t Au to 2.54g/t Au
- f. Wahgnion: from 0.35g/t Au to 0.60g/t Au
- g. Lafigué: oxide at 0.40g/t Au, transitional and fresh at 0.50g/t Au
- h. Kalana: all 0.50g/t Au
- i. Bantou: from 0.43g/t Au to 0.86g/t Au
- j. Nabanga: at 3.00g/t Au
- k. Golden Hill: from 0.49g/t to 0.55g/t Au
- l. Assafou: at 0.50 g/t Au

Cut-off grades for the reserves are as follows:

- a. Houndé: oxide: 0.50g/t Au to 0.70g/t Au; transitional: 0.50g/t Au to 0.70g/t Au; fresh: 0.60g/t Au to 0.70g/ except Mambo fresh 1.20g/t Au
- b. Ity: oxide: 0.50g/t Au to 0.60g/t Au; transitional: 0.40g/t Au to 0.90g/t Au; fresh: 0.40g/t Au to 0.80g/t Au
- c. Sabodala Open Pit WOLP: oxide: 0.60/t Au to 0.70g/t Au; transitional: 0.60g/t Au to 0.80g/t Au; fresh: 0.60g/t Au to 0.70g/t Au.
- d. Sabodala Open Pit SLP: Oxide: 0.90g/t Au; Transitional 0.90g/t for CZ; RedTran: 1.20g/t Au for CZ 1.40g/t Au for NZ and 1.0g/t Au for Delya; fresh cut-off is 1.30g/t Au
- e. Sabodala UG: 2.82g/t Au
- f. Boungou: oxide: 1.10g/t Au; transitional: 1.20g/t Au; fresh: 1.20g/t Au
- g. Mana OP: Not Applicable;
- h. Mana UG: Sio cut-off grade: 2.35g/t Au; Wona cut-off grade: 2.23g/t Au
- i. Wahgnion: oxide: 0.40g/t Au to 0.50g/t Au; transitional: 0.50g/t Au to 0.60g/t Au; fresh: 0.50g/t Au to 0.60g/t Au
- j. Lafigué: 0.40g/t Au
- k. Kalana and Kalanako pits: oxide: 0.40g/t Au; transitional: 0.50g/t Au; fresh: 0.60g/t Au, 0.5g/tAu for TSF.

RESERVES AND RESOURCES: YEAR-OVER-YEAR COMPARISON

<i>Resources shown inclusive of Reserves, on a 100% basis</i>	As at 31 December 2022			As at 31 December 2021		
	Tonnage (Mt)	Grade (Au g/t)	Content (Au koz)	Tonnage (Mt)	Grade (Au g/t)	Content (Au koz)
Boungou Mine (90% owned)						
Proven Reserves	0.6	2.32	48	0.6	1.95	39
Probable Reserves	8.3	2.96	785	9.3	3.61	1,075
P&P Reserves	8.9	2.91	833	9.9	3.51	1,114
Measured Resource	0.6	2.82	58	0.6	2.04	40
Indicated Resources	7.9	3.65	929	10.5	3.95	1,336
M&I Resources	8.6	3.59	987	11.1	3.85	1,376
Inferred Resources	—	2.60	2	0.1	4.89	14
Houndé Mine (90% owned except 100% owned Golden Hill)						
Proven Reserves	2.9	1.13	106	2.3	1.25	93
Probable Reserves	51.1	1.60	2,626	44.6	1.69	2,420
P&P Reserves	54.0	1.57	2,733	47.0	1.66	2,513
Measured Resource (incl. reserves)	3.0	1.13	110	2.4	1.24	97
Indicated Resources (incl. reserves)	90.4	1.57	4,567	101.5	1.55	5,067
M&I Resources (incl. reserves)	93.4	1.56	4,678	103.9	1.55	5,165
Inferred Resources	20.6	1.63	1,080	20.5	1.60	1,052
Ity Mine (85% owned except 100% owned Le Plaque)						
Proven Reserves	11.4	0.82	300	11.9	0.89	338
Probable Reserves	46.5	1.82	2,721	51.2	1.61	2,641
P&P Reserves	57.9	1.62	3,021	63.0	1.47	2,979
Measured Resource (incl. reserves)	11.7	0.79	298	12.1	0.88	344
Indicated Resources (incl. reserves)	85.3	1.70	4,673	77.3	1.66	4,131
M&I Resources (incl. reserves)	96.9	1.59	4,971	89.5	1.56	4,475
Inferred Resources	17.1	1.59	873	27.1	1.47	1,279
Mana Mine (90% owned)						
Proven Reserves	—	1.85	1	1.3	3.54	150
Probable Reserves	8.3	3.19	852	10.1	3.09	1,007
P&P Reserves	8.3	3.19	852	11.5	3.14	1,157
Measured Resource (incl. reserves)	7.8	1.83	460	7.5	1.48	359
Indicated Resources (incl. reserves)	26.1	2.04	1,718	30.1	1.99	1,928
M&I Resources (incl. reserves)	34.0	1.99	2,177	37.6	1.89	2,287
Inferred Resources	2.9	3.48	326	7.8	2.27	570
Sabodala-Massawa Complex (90% owned)						
Proven Reserves	19.2	1.14	705	19.9	1.36	866
Probable Reserves	43.6	2.41	3,381	46.5	2.39	3,574
P&P Reserves	62.8	2.02	4,086	66.4	2.08	4,440
Measured Resource (incl. reserves)	22.3	1.18	843	21.2	1.32	900
Indicated Resources (incl. reserves)	83.8	2.04	5,490	88.9	2.09	5,977
M&I Resources (incl. reserves)	106.1	1.86	6,333	110.1	1.94	6,877
Inferred Resources	19.9	2.16	1,380	24.3	2.16	1,682
Wahgnion Mine (90% owned)						
Proven Reserves	1.8	0.67	39	2.1	0.78	52
Probable Reserves	12.2	1.72	676	19.5	1.60	1,006
P&P Reserves	14.0	1.59	715	21.6	1.52	1,059
Measured Resource (incl. reserves)	7.9	1.45	367	2.3	0.82	60
Indicated Resources (incl. reserves)	10.5	1.89	637	38.4	1.52	1,879
M&I Resources (incl. reserves)	18.4	1.70	1,004	40.7	1.48	1,940
Inferred Resources	0.5	1.23	20	5.0	1.53	247
Bantou (90% owned except 81% owned Karankasso)						
Proven Reserves	—	—	—	—	—	—
Probable Reserves	—	—	—	—	—	—
P&P Reserves	—	—	—	—	—	—
Measured Resource (incl. reserves)	—	—	—	—	—	—
Indicated Resources (incl. reserves)	18.1	1.22	707	—	—	—
M&I Resources (incl. reserves)	18.1	1.22	707	—	—	—
Inferred Resources	16.2	2.24	1,167	51.1	1.37	2,245

Resources shown inclusive of Reserves, on a 100% basis	As at 31 December 2022			As at 31 December 2021		
	Tonnage (Mt)	Grade (Au g/t)	Content (Au koz)	Tonnage (Mt)	Grade (Au g/t)	Content (Au koz)
Lafigué Project (80% owned)						
Proven Reserves	—	—	—	—	—	—
Probable Reserves	49.8	1.69	2,714	48.7	1.70	2,662
P&P Reserves	49.8	1.69	2,714	48.7	1.70	2,662
Measured Resource (incl. reserves)	—	—	—	—	—	—
Indicated Resources (incl. reserves)	46.2	2.04	3,026	44.8	2.02	2,916
M&I Resources (incl. reserves)	46.2	2.04	3,026	44.8	2.02	2,916
Inferred Resources	1.6	1.98	102	3.6	2.35	269
Kalana Project (80% owned)						
Proven Reserves	—	—	—	—	—	—
Probable Reserves	35.6	1.60	1,829	35.6	1.60	1,829
P&P Reserves	35.6	1.60	1,829	35.6	1.60	1,829
Measured Resource (incl. reserves)	—	—	—	—	—	—
Indicated Resources (incl. reserves)	46.0	1.57	2,318	46.0	1.57	2,318
M&I Resources (incl. reserves)	46.0	1.57	2,318	46.0	1.57	2,318
Inferred Resources	4.6	1.67	245	4.6	1.67	245
Nabanga (90% owned)						
Proven Reserves	—	—	—	—	—	—
Probable Reserves	—	—	—	—	—	—
P&P Reserves	—	—	—	—	—	—
Measured Resource (incl. reserves)	—	—	—	—	—	—
Indicated Resources (incl. reserves)	—	—	—	—	—	—
M&I Resources (incl. reserves)	—	—	—	—	—	—
Inferred Resources	3.4	7.69	841	3.4	7.69	841
Assafou (100% owned)						
Proven Reserves	—	—	—	—	—	—
Probable Reserves	—	—	—	—	—	—
P&P Reserves	—	—	—	—	—	—
Measured Resource (incl. reserves)	—	—	—	—	—	—
Indicated Resources (incl. reserves)	14.9	2.33	1,114	—	—	—
M&I Resources (incl. reserves)	14.9	2.33	1,114	—	—	—
Inferred Resources	32.9	1.80	1,903	—	—	—
Group Total (excluding the Afema property)						
Proven Reserves	36.0	1.04	1,199	38.1	1.26	1,539
Probable Reserves	255.4	1.90	15,584	265.6	1.90	16,215
P&P Reserves	291.4	1.79	16,783	303.6	1.82	17,753
Measured Resource (incl. reserves)	53.3	1.25	2,136	46.2	1.21	1,802
Indicated Resources (incl. reserves)	429.2	1.82	25,179	437.5	1.82	25,551
M&I Resources (incl. reserves)	482.5	1.76	27,316	483.7	1.76	27,353
Inferred Resources	119.7	2.06	7,939	147.4	1.78	8,444
Afema (51% owned)						
Proven Reserves	—	—	—	—	—	—
Probable Reserves	—	—	—	—	—	—
P&P Reserves	—	—	—	—	—	—
Measured Resource (incl. reserves)	—	—	—	—	—	—
Indicated Resources (incl. reserves)	—	—	—	5.1	1.10	179
M&I Resources (incl. reserves)	—	—	—	5.1	1.10	179
Inferred Resources	—	—	—	3.4	1.05	116
Group Total						
Proven Reserves	36.0	1.04	1,199	38.1	1.26	1,539
Probable Reserves	255.4	1.90	15,584	265.6	1.90	16,215
P&P Reserves	291.4	1.79	16,783	303.6	1.82	17,753
Measured Resource (incl. reserves)	53.3	1.25	2,136	46.2	1.21	1,802
Indicated Resources (incl. reserves)	429.2	1.82	25,179	442.6	1.81	25,730
M&I Resources (incl. reserves)	482.5	1.76	27,316	488.8	1.75	27,532
Inferred Resources	119.7	2.06	7,939	150.8	1.77	8,560

Notes for the period ended 31 December 2022 are available in the section above. Notes for the period ended 31 December 2021 are available in the press release dated 17 March 2022 available on the Company's website and on SEDAR.