



INVESTING in the future

OPERATIONAL PROFILE 2021

SERRA GRANDE Brazil



Serra Grande, in the state of Goiás about 5km from the city of Crixás, comprises three mechanised underground mines and an open pit: Mina III, Mina Nova and Mina Palmeiras, and an open pit. One dedicated metallurgical plant, with an annual capacity of 1.5Mt, treats all ore mined.

Serra Grande is currently one of three operations in AngloGold Ashanti Americas.

Legend:

① Serra Grande ② AGA Mineração



SERRA GRANDE

Key performance statistics

Serra Grande	Units	2021	2020	2019
Operating performance				
Cut-off grade ⁽¹⁾	g/t	0.41 – 2.00	1.46	1.77
Recovered grade	g/t	2.09	2.33	2.94
Tonnes treated/milled	Mt	1.2	1.5	1.3
Gold production	000oz	83	114	123
Total cash costs	\$/oz	1,192	665	707
All-in sustaining costs	\$/oz	2,220	953	1,105
Capital expenditure	\$m	82	33	34
Productivity	oz/TEC	5.24	8.26	9.80
Safety performance				
No. of fatalities		1	0	0
All injury frequency rate (AIFR)	per million hours worked	5.56	3.80	6.11
People				
Total average no. of employees		1,980	1,695	1,531
– Permanent		1,335	1,260	1,222
– Contractors		645	435	309
Environmental performance				
No. of reportable environmental incidents		0	1	0
Water use	ML	1,850	1,121	443
Water use efficiency	kL/t	1.50	0.74	0.34
Energy consumption	PJ	0.70	0.62	0.62
Energy intensity	GJ/t	0.56	0.41	0.47
Greenhouse gas (GHG) emissions	000t	35	24	24
GHG emissions intensity	kg CO ₂ e/t	28	16	19
Cyanide use	t	440	634	572
Total rehabilitation liabilities	\$m	16	17	20
Social performance				
Community investment	\$000	21	82	431
Payments to government ⁽²⁾	\$m	203	139	109

⁽¹⁾ Based on the Ore Reserve.

⁽²⁾ Total paid to the Brazilian government for AGA Mineração and Serra Grande.