

Economic



GRI 201-1: Direct economic value generated or distributed

	FY2022			
	Australia	Botswana	Spain	USA
Revenues	\$681,771	\$29,000		
Economic value distributed				
MATSA acquisition items	-\$364,777,000			
Operating costs	-\$230,443,000	-\$150,652,000		
Employee wages and benefits	-\$47,297,000	-\$6,208,000		
Payments to providers of capital	-\$42,404,000			
Tax payments to the Western Australian government	-\$109,477,000			
Royalties	-\$29,385,000			
Native Title Payments	-\$4,562,000			
Other	\$0	-\$41,000		
Economic value retained	-\$146,574,000	-\$156,872,000		

Note 1 - Amounts are in \$USD

Our People



GRI 102-8: General Disclosures

102-8 Employment	FY2022			
	Australia	Botswana	Spain	USA
Male	216	127	573	21
Female	68	40	153	18
Permanent employees	262		687	
Permanent males	207			
Permanent females	55			
Temporary employees ¹	10		39	
Temporary males	6			
Temporary females	4			
Full-time employees	262		726	
Full-time males	207			
Full-time females	55			
Part-time employees ²	12		0	
Part-time males	3			
Part-time females	9			

Note 1 - Sandfire classifies temporary employees as casual workers employed for a specific time period.

Note 2 - Sandfire reclassified its part-time employees in FY2018. These employees work on average less than 30 hours per week.

Note 3 - Note 3 - A significant proportion of our work is undertaken by non-employees (contractors). This includes, but is not limited to, mining labour services, haulage and freight services, camp management services, and labour hire.

The figures in 102-8 reflect Sandfire's direct employees only.

Note 4 - You are either permanent or temporary/casual. And you're either full-time, part time or casual.

GRI 401: Employment

401-1 New employee hires and employee turnover		FY2022		
Hires	Total number of new hires	Total number of employees	Rate	
Australia	42	284	0.15	
Botswana	80	180		
Spain				
USA	18	32		
TOTAL	140	496	0.37	
Gender				
	Male	Female	Rate	
Australia	27	15	0.15	
Botswana	64	16		
Spain				
USA	11	7		
TOTAL	102	38	0.37	
Age				
	< 30	30 - 50	50+	Rate
Australia	11	21	10	0.15
Botswana	19	54	7	
Spain				
USA	8	10	0	
TOTAL	38	85	17	0.37

Note 1 - Turnover rates = number of employees who left the organisation during FY22 / [(employees as of 01/07/21 + employees as of 30/06/22) / 2]

GRI 401: Employment (continued)

401-1 New employee hires and employee turnover (continued)		FY2022		
Turnover	Total number turned over	Total number of employees	Rate	
Australia	59	284	0.22	
Botswana	19	180		
Spain	14	726		
USA	2	32		
TOTAL	94	1222	0.25	
Gender				
	Male	Female	Rate	
Australia	39	20	0.22	
Botswana	15	4		
Spain	11	3		
USA	2	0		
TOTAL	67	27	0.25	
Age				
	< 30	30 - 50	50+	Rate
Australia	14	33	12	0.22
Botswana	0	17	2	
Spain	1	13	0	
USA	0	2	0	
TOTAL	15	65	14	0.25

Note 1 - Turnover rates = number of employees who left the organisation during FY22 / [(employees as of 01/07/21 + employees as of 30/06/22) / 2]

GRI 402: Labour/Management Relations

402-1: Minimum notice periods		FY2022			
	Australia	Botswana	Spain	USA	
a) Minimum number of weeks' notice typically provided to employees and their representatives prior to the implementation of significant operational changes that could substantially affect them	2 weeks	N/A	Nil	2 weeks	
For organizations with collective bargaining agreements, report whether the notice period and provisions for consultation and negotiation are specified in collective agreements.	N/A	N/A	Specified in the collective agreement that vacancies that occur in the organization due to organisational changes or personnel departures are communicated to employees	N/A	

GRI 404: Training and Education

404-1: Training Hours		FY2022				
		Total	Australia	Botswana	Spain	USA
Total Hours						
	Male	12,369	1,934	1739	8,695	
	Female	3,457	813	544	2100.46	
	Executive	571	6	0	565.21	
	Senior executive	3,988	21	0	3967.33	
	Management	1,195	191	27	976.74	
	Non-management	10,071	2529	2256	5286.52	
	Total Hours	15,826	2,747	2,283	10,796	
Average Hours						
	Male		8.75		15.18	
	Female		10.56		13.73	
	Executive		1		28.26	
	Senior executive		5.25		35.42	
	Management		10.05		9.04	
	Non-management		9.4		10.88	
	Total		9.22			
404-3: Employees receiving performance reviews		FY2022				
		Australia	Botswana	Spain	USA	
	Male	197	143	88	8	
	Female	60	41	169	4	
	Executive	2	0	20	2	
	Senior Management	11	0	112	3	
	Management	72	16	106	2	
	Non-Management	172	168	19	5	
	Total number of employees	257	184	726	12	
	Percentage of employees receiving performance reviews	100%	100.0%	35%	92%	

GRI 405: Diversity

GRI 405-1 Diversity of governance bodies and employees	FY2022									
	Australia				Botswana		USA			
Total Employees by Employee Category	Board	Executive	Senior Management	Non-Management	Senior Management	Non-Management	Board	Executive	Senior Management	Non-Management
Total	5	5	9	265	5	162	5	2	3	29
Number of Employees by Diversity Category	Board	Executive	Senior Management	Non-Management	Senior Management	Non-Management	Board	Executive	Senior Management	Non-Management
Male	3	5	6	202	4	123	4	1	2	14
Female	2	0	3	63	1	39	1	1	1	15
<30 years of age	0	0	0	37	0	33	0	0	0	12
30-50 years of age	2	2	5	151	4	126	1	1	2	14
50+ years of age	3	3	4	77	1	3	4	1	1	3
Other indicators of diversity such as minority or vulnerable groups: <i>Specify</i>					n/a	n/a	n/a	n/a	n/a	n/a
Percentage of employees per diversity category	Board	Executive	Senior Management	Non-Management	Senior Management	Non-Management	Board	Executive	Senior Management	Non-Management
Percentage Male Employees	60.00%	100.00%	66.67%	76.23%	80.00%	75.93%	80.00%	50.00%	66.67%	48.28%
Percentage Female Employees	40.00%	0.00%	33.33%	23.77%	20.00%	24.07%	20.00%	50.00%	33.33%	51.72%
<30 years of age	0.00%	0.00%	0.00%	13.96%	0.00%	20.37%	0.00%	0.00%	0.00%	41.38%
30-50 years of age	40.00%	40.00%	55.56%	56.98%	80.00%	77.78%	20.00%	50.00%	66.67%	48.28%
50+ years of age	60.00%	60.00%	44.44%	29.06%	20.00%	1.85%	80.00%	50.00%	33.33%	10.34%
Other indicators of diversity such as minority or vulnerable groups: <i>Specify</i>	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

405-2 Ratio of average salary and remuneration of women to men										
	Board	Executive	Senior Management	Non-Management	Senior Management	Non-Management	Board	Executive	Senior Management	Non-Management
Ratio of average salary for women to men	0.84	N/A	0.84	0.83	0.46	0.52	N/A	0.35	0.47	0.73
Ratio of average remuneration for women to men										

GRI 406: Non-discrimination

GRI 406-1 Discrimination incidents and actions taken	FY2022			
	Australia	Botswana	Spain	USA
No. Incidents	0	0	0	0
No. incidents reviewed	0	0	0	0
Remediation plans implemented	0	0	0	0
Remediation plans implemented with results reviewed	0	0	0	0
Incidents no longer subject to action	0	0	0	0

Business Ethics



GRI 205-2: Anti-corruption

a. Total number and percentage of governance body members that the organization's anti-corruption policies and procedures have been communicated to, broken down by region.

FY2022				
	Australia	Botswana	Spain	USA
Board	6	N/A		
Executive Committee (incl. CEO)	5	N/A		
Percentage	100%	N/A		

b. Total number and percentage of employees that the organization's anti-corruption policies and procedures have been communicated to, broken down by employee category and region.

FY2022				
	Australia	Botswana	Spain	USA
Senior Management	11	5		
Non-management	263	162		
Percentage	100%	100%		

d. Total number and percentage of governance body members that have received training on anti-corruption, broken down by region.

FY2022				
	Australia	Botswana	Spain	USA
Board	0	N/A		
Executive Committee (incl. CEO)	3	N/A		
Percentage receiving training during the reporting period	60%	N/A		

e. Total number and percentage of employees that have received training on anti-corruption, broken down by employee category and region.

FY2022				
	Australia	Botswana	Spain	USA
Senior Management	9	5		
Non-management	46	20		
Percentage receiving training during the reporting period	21%	15%		

Note 1: Executive Committee includes Chief Executive Officer, Chief Financial Officer, Chief Operating Officer, Executive of Growth (Exploration), Executive People and Performance

Note 2: CEO is not included in Board numbers to avoid double counting.

Human Rights



GRI 411: Incidents of violations involving rights of indigenous peoples

411 Incidents of violations involving rights of indigenous peoples

	FY2022	Description of incident(s) and actions taken
Total number of incidents	0	N/A

GRI 412: Human Rights Assessment

412-1 Total number of operations that have been subject to human rights reviews or human rights impact assessments

	FY2022	Notes
Total number of operations	4	Human Rights Impact Assessment has only been completed for the Motheo Copper Mine.
Number of operations with human rights assessments	1	

412-1 Total number of operations that have been subject to human rights reviews or human rights impact assessments

	FY2022			
	Australia	Botswana	Spain	USA
Total hours of training completed per operation	N/A	N/A	N/A	N/A
Percentage of employees who received training	N/A	N/A	N/A	N/A

Communities



GRI 202 Market Presence

GRI 202-1 Ratios of standard entry level wage	FY2022							
	Australia		Botswana		Spain		USA	
	Male	Female	Male	Female	Male	Female	Male	Female
Minimum entry level wage as advised by government wage rules	\$15.10	\$15.10	\$0.60	\$0.60	\$6.80	\$6.80	\$7.25	\$7.25
Minimum wage paid by sandfire in significant areas of operation	\$21.00	\$21.00	\$1.72	\$1.72	\$13.90	\$13.90	\$17.00	\$16.00

Note 1: Wages are in USD

Note 2: Sandfire does not currently review contractor payments to their employees. A review will be conducted for Botswana contractors in FY23.

GRI 202-2 Proportion of senior management hired from the local community	FY2022		FY2021	
	Male	Female	Male	Female
Meekatharra, Western Australia	0%	0%	0	0
Ghanzi, Botswana	0%	0%	0	0
Spain	60%	100%		
Meagher County, Montana	29%	14%		

Note 1: Full time employees only.

Note 2: Sandfire classifies senior management staff as those who are our Senior Executives.

Note 3: Sandfire defines local as the region in closest geographical proximity to our activities where we have the greatest impact.

Health & Safety

GRI 403: Occupational Health and Safety

403-8: Workers covered by an OHS management system

a. the number and percentage of all employees and contractors covered by a HSMS

		FY2022							
		Australia		Botswana		Spain		USA	
	Employees	284	100%	167	100%	301	41%		
	Contractors	546	100%	981	100%	908	100%		

b. the number and percentage of all employees and contractors that are covered by a HSMS that has been internally audited

		Australia		Botswana		Spain		USA	
	Employees	50	17%	0	0%	301	100%		
	Contractors	337	61%	605	61%	0	0%		

c. the number and percentage of all employees and contractors that are covered by a HSMS that has been certified by an external party

		Australia		Botswana		Spain		USA	
	Employees	0	0%	0	0%	301	100%		
	Contractors	0	0%	0	0%	0	0%		

Note 1: Sandfire considers internal audits to be those conducted when onboarding new suppliers and audits conducted to test their alignment with our management systems

Note 2: Sandfire has not undertaken external third party assurance on its new HSMS

GRI 403: Occupational Health and Safety (continued)

403-9: Work-related Injuries		FY2022					
		Australia		Botswana		Spain	
a. Report the following for employees:							
Fatalities as a result of work-related injuries	0	0%	0	0%	0	0%	
High-consequence work -related injuries (excluding fatalities)	0	0%	0	0%	0	0%	
Recordable work-related injuries (including fatalities)	TRIFR = 11.64		TRIFR = 0.0		TRIFR = 2.03		
	1 LTI	LTIFR = 2.91	0 LTI	LTIFR = 0.0	1 LTI	LTIFR = 2.03	
	1 MTI	MTIFR = 2.9	0 MTI	MTIFR = 0.0	0 MTI	MTIFR = 0.0	
	2 RDI	RDIFR = 5.8	0 RDI	RDIFR = 0.0	0 RDI	RDIFR = 0.0	
What were the main types of work related injuries?	2 x Sprains & strains		n/a		1 x Contusion		
	1 x Foreign Body						
	1 x Multiple Injury						
What were the total number of hours worked?	343,620		328,140		493,083		

Note 1: Total hours does not include West Perth Corporate based staff

b. Report the following for all workers who are not employees, but whose work/workplace is controlled by the organisation:

		Australia		Botswana		Spain		USA
		Fatalities as a result of work-related injuries	0	0%	0	0%	0	0%
High-consequence work -related injuries (excluding fatalities)	0	0%	0	0%	0	0%		
Recordable work-related injuries (including fatalities)	TRIFR = 9.56		TRIFR = 1.45		TRIFR = 3.28			
	1 LTI	LTIFR = 1.19	1 LTI	LTIFR = 0.48	4 LTI	LTIFR = 3.28		
	0 MTI	MTIFR = 0.0	2 MTI	MTIFR = 1.0	0 MTI	MTIFR = 0.0		
	7 RDI	RDIFR = 8.4	0 RDI	RDIFR = 0.0	0 RDI	RDIFR = 0.0		
What were the main types of work related injuries?	3 x Sprains & Strains		2 x Open Wound		3 x Sprains & Strains			
	2 x Open Wound		1 x Fracture		1 x Open Wound			
	1 x Fracture							
	1 x Dislocation							
	1 x Contusion							
What were the total number of hours worked?	836,924		2,066,781		1,219,001			

GRI 403: Occupational Health and Safety (continued)

403-9: Work-related Injuries (continued)

c. For the work-related hazards that pose a risk of high-consequence injury, report:

FY2022			
Operation(s) the hazard is relevant to	Hazard	Contribution to actual high-consequence injury (yes/no)	Actions taken to manage/mitigate risk
DeGrussa (Australia) Motheo (Botswana) MATSA (Spain)	Working at heights	No	Fall protection equipment, fall prevention (barricading / guardrails), mobile WAH equipment condition, rescue plans, permit to work, training and competency, emergency response
DeGrussa (Australia) Motheo (Botswana) MATSA (Spain)	Confined spaces	No	Survey and registration, rescue plans, atmospheric testing, isolation systems, permit to work, training and competency, emergency response
DeGrussa (Australia) Motheo (Botswana) MATSA (Spain)	Dropped / Falling objects	No	Tool lanyards, edge protection, lift plans, lifting equipment integrity, lifting structure maintenance and inspection, exclusion zones, condition of overhead plant and working platforms, permit to work, training and competency, emergency response
DeGrussa (Australia) Motheo (Botswana) MATSA (Spain)	Rotating / Moving machinery	No	Equipment safeguarding, emergency stops, permit to work, isolation systems, emergency response
DeGrussa (Australia) Motheo (Botswana) MATSA (Spain)	Vehicle operation	No	Critical parts inspection and maintenance, fatigue management, road design and construction, traffic management, load restraint, training and competency, emergency response
DeGrussa (Australia) MATSA (Spain)	Fall of ground	No	Mine design and construction, TSF design and construction, geotechnical inspection and monitoring, access control to unsupported ground, pit wall depressurisation, emergency response
DeGrussa (Australia) Motheo (Botswana) MATSA (Spain)	Working alone	No	Weather alerts and monitoring, heat stress prevention, communication protocols, satellite tracking devices, emergency response
DeGrussa (Australia) Motheo (Botswana) MATSA (Spain)	Fire	No	Critical parts check, fire protection systems, emergency shutdown valves (where applicable), smoking in the workplace policy, permit to work, isolation systems, training and competency, fire emergency response
DeGrussa (Australia) MATSA (Spain)	Explosives	No	Access controls to explosives, blast control, blast exclusion zone, misfire management, training and competency
DeGrussa (Australia) Motheo (Botswana) MATSA (Spain)	Electricity	No	Access control to electrical equipment, non-conductive tooling, protection relay (RCDs), electrical PPE, condition of electrical equipment, permit to work, electrical isolations, emergency response
DeGrussa (Australia) MATSA (Spain)	Inrush	No	Pre-pour paste quality, paste wall integrity, ground support design and monitoring, exclusion wall bunding, weather monitoring, emergency response

GRI 403: Occupational Health and Safety (continued)

403-10: Work-related ill health		FY2022							
a. Report the following for employees:		Australia		Botswana		Spain		USA	
Fatalities as a result of work-related ill health		0	0%	0	0%	0	0%	0	0%
Cases of recordable work-related ill health		0	0%	0	0%	0	0%	0	0%
What were the main types of work related ill health?		n/a		n/a		n/a		n/a	

b. Report the following for workers who are not employees, but whose work/workplace is controlled by the organisation:

		Australia		Botswana		Spain		USA	
Fatalities as a result of work-related ill health		0	0%	0	0%	0	0%	0	0%
Cases of recordable work-related ill health		0	0%	0	0%	0	0%	0	0%
What were the main types of work related ill health?		n/a		n/a		n/a		n/a	

Note 1 - Sandfire will be revising its disclosure approach to 403-10 in FY23 to better align with GRI Standard 403.

Biodiversity

GRI 304: Biodiversity

		FY2022			
304-3 Habitats protected or restored		Australia	Botswana	Spain	USA
Extent of areas impacted (hectares)		562	2400		
304-4 IUCN Red List species and national conservation list species with habitats in areas affected by operations		Australia	Botswana	Spain	USA
Total number of IUCN Red List species and national conservation list species with habitats in areas affected by our operations					
Critically endangered		0	0		0
Endangered		0	1		3
Vulnerable		0	7		9
Near threatened		0	1		12
Least concern		0	0		405
List of species	Nil		""Near Threatened" - Hyaena brunnea (Brown Hyaena) "Vulnerable" – Smutsia temminckii (Ground pangolin), Panthera leo (Lion), Acinonyx jubatus (Cheetah), Panthera pardus (Leopard), Felis nigripes (Small Spotted Cat), Loxodonta africana (African Elephant), Giraffa camelopardalis (Giraffe) "Endangered" - Lycaon pictus (African Wild Dog)"		Endangered status (within 25 km of project site) 1. Black-footed Ferret (Mustela nigripes) - no habitat/presence on project site 2. Little Brown Bat (Myotis lucifugus) 3. Pallid Sturgeon (Scaphiynchus albus) - no habitat/presence on project site

GRI 307: Environmental Compliance

307-1 a) Significant fines and non-monetary sanctions for non-compliance with laws and/or regulations in the social and economic area in terms of:	FY2022			
	Australia	Botswana	Spain	USA
i. total monetary value of significant fines	0	0	0	0
ii. Total number of non-monetary sanctions	0	0	0	0
iii. Cases brought through dispute resolution mechanisms	0	0	0	0

307-1 b) If the organisation has not identified any non-compliance with laws and/or regulations, a brief statement of this fact is sufficient.	FY2022			
	Australia	Botswana	Spain	USA
	The organisation has not identified any non-compliance with laws and/or regulations.	The organisation has not identified any non-compliance with laws and/or regulations.	The organisation has not identified any non-compliance with laws and/or regulations.	The organisation has not identified any non-compliance with laws and/or regulations.

307-1 c) The context against which significant fines and non-monetary sanctions were incurred.	FY2022			
	Australia	Botswana	Spain	USA
	N/A	N/A	N/A	N/A

GRI MM1: Rehabilitation

	FY2022			
	Australia	Botswana	Spain	USA
Amount of land disturbed or rehabilitated in hectares (operation)				
Total land disturbed and not yet rehabilitated	550	0	330	61
Total amount of land newly disturbed within the reporting period	12	651	0	0
Total amount of land newly rehabilitated within the reporting period to the agreed end use	0	0	0	0
Total land disturbed	562	651	330	61
Amount of land disturbed or rehabilitated in hectares (exploration)				
Total land disturbed and not yet rehabilitated	N/A	N/A	0	N/A
Total amount of land newly disturbed within the reporting period	N/A	N/A	0	N/A
Total amount of land newly rehabilitated within the reporting period to the agreed end use	N/A	N/A	0	N/A
Total land disturbed	N/A	N/A	0	N/A

GRI MM2: Biodiversity Management Plans

	FY2022			
	Australia	Botswana	Spain	USA
Operations with Biodiversity Management Plans	Yes	Yes - in draft		Yes - in draft

GRI MM10: Mine closure

	FY2022			
	Australia	Botswana	Spain	USA
Operations with mine closure plans	Yes	Yes (in draft)		N/A
Overall financial provision for closure (\$USD)	\$38,514,300	\$12,123,233		\$4,653,348

Note 1: USA amount is the reclamation bond held by the Montana Department of Environmental Quality

Waste

GRI 306: Waste

306-3: Waste generated		FY2022					
Report total amount of waste by type and destination		Australia			Botswana		
Non-hazardous Waste	Measurement	Total Weight (kg)		Disposal Method	Total Weight (kg)		Disposal Method
Class A Water	KL	44,381.00	44,381.00	Sprayfield/Disposal			
General waste to off site landfill	m3		450,323.00	Disposal to offsite landfill, buried	1,854	556,200	Ghanzi Landfill
General waste to on site landfill	tonnes	4,743.00	4,743,000.00	Disposal to onsite landfill, buried			
Glass	kg	20,298.00	20,298.00	Recycled			
Plastic	kg	1,098.50	1,098.50	Recycled			
Cardboard	tonnes	18.89	18,890.00	Recycled			
Printer Cartridges	kg	22.224	22.224	Recycled			
Steel	m3	0.00	1,049,290.50	Recycled			
Aluminium	tonnes	0.00	429.50	Recycled			
Aerosols	kg	0.00	350.00	Recycled			
IBCs	count	5.00	325.00	Recycled			
Total Non-hazardous Waste			6,328,407.724			556,200	
Non-hazardous Waste	Measurement	Total Weight (kg)		Disposal Method	Total Weight (kg)		Disposal Method
Waste Oil	Litres	172,169	137,735.20	Recycled	2,000	1,600.00	Recycling
Used Tyres	count	705	36,660.00	Landfill			
Grease	kg	10,127	10,127.00	Recycled			
Batteries	count	230	1,150.00	Recycled			
Hydrocarbon contaminated waste	m3	0	27,910.00	Landfill	0.60	90.00	Incineration / Ghanzi Landfill
oil based paint	Litres	0	0.00				
Cooking oil	kg	0	4,000.00	Recycled			
Clinical waste	m3				11.6		Ghanzi hospital
Total Hazardous Waste			217,582.20			1,690.00	
Total waste to landfill			5,257,893.00			556,200	
Total waste recycled			1,243,715.92			1,600	

GRI 306: Waste (continued)

306-3: Significant spills	FY2022									
	Australia					Botswana				
Material	Number of spills and type	Volume of spill (litres)	Location of spills	Impact of Spills	Reportable to regulator	Number of spills and type	Volume of spill (litres)	Location of spills	Impact of Spills	Reportable to regulator
Chemicals	Hydraulic oil	100	Surface workshop Lube station / LV Parking area	Surface contamination to soils	No					
Oils	Hydraulic oil	50	Processing plant / ball mill storage bunker	Surface contamination to soils	No					
Fuels	Hydraulic oil	100	Monty ROM pad	Surface contamination to soils	No					
Waste	Hydraulic oil	20	Processing plant	Surface contamination to soils	No					
Other: (please specify)	Process slurry	100	Paste Plant	Surface contamination to soils	No	Sewage	26,500	Construction camp sewage holding tank	soil pollution	No
	Process slurry	1,000	Paste Plant	Surface contamination to soils	No	Kitchen effluent (spillage from kitchen grease trap)	2,000	Construction camp kitchen grease trap	soil pollution	No
	Process slurry	1000	Paste Plant	Surface contamination to soils	No					
Totals	Waste water / sewage	2,000	Site WWTP	Surface contamination to soils	No		28,500			
	Accelerator	300	BAPL Laydown area	Surface contamination to soils	No					
Actions taken	1. Contaminated soil removed and disposed of in hydrocarbon bins 2. Water allowed to dry and contaminated soil removed and disposed of to tailings dam					1. Frequency of sewage collection was increased 2. Grease trap replaced with a larger one				

GRI MM3: Total amounts of overburden, rock, tailings and sludges and their associated risks

M3: Total amounts of overburden, rock, tailings and sludges and their associated risks	FY2022		
Type of waste material	Stage generated (construction, operation, mine closure)	Location (Country)	Quantities (tons)
Waste Rock	Construction	Botswana	6,590,535
Waste Rock	Operation	Australia	8,215
PAF Waste	Operation	Australia	0
Mineralised Waste	Operation	Australia	13,748
Processing tailings	Operation	Australia	1,401,915
Tailings reused as paste backfill in the underground mine	Operation	Australia	664,885
Other			

Note 1: Botswana waste rock has been measured in dry tonnes.

Water



GRI 303: Water

303-3 Water withdrawal (ML) a. Report water withdrawn from the following sources (ML)	FY2022			
	Australia	Botswana	Spain	USA
Groundwater	1,666	560		
Seawater	0			
Surface/Rainwater	31			
Produced water	0			
Third-party water	0			
Total water withdrawn	1,697	560		

b. Report water withdrawn from all areas with water stress, if applicable

	Australia	Botswana	Spain	USA
	All water is withdrawn from areas of water stress/risk	N/A		
Surface water	0	N/A		
Groundwater	1,666	N/A		
Seawater	0	N/A		
Rainwater	31	N/A		
Produced water	0	N/A		
Third-party water	0	N/A		
Total water withdrawn	1,697	N/A		

c. Of the total water withdrawn, and total water withdrawal from areas under water stress, categorise this volume into freshwater and other water:

	Australia		Botswana		Spain	USA
	Freshwater volume	Other Water	Freshwater volume	Other Water		
Total water withdrawn (ML)	1,697	31	1,666	560		
Total water withdrawn from areas with waterstress (ML)	1,697					

GRI 303: Water (continued)

303-4 Water discharge (ML) a,b. Report total water discharge for the following types of destination, and break that volume down into freshwater and other water	FY2022						Spain	USA
	Australia		Botswana					
	Freshwater volume	Other Water	Freshwater volume	Other Water				
Surface water	95	0	95	17		17		
Groundwater	0							
Seawater	0							
Third-party water	0							
Total water discharge	95	0	95	17		17		

c. Report water discharge into all areas with water stress, broken down into freshwater and other water volume

	Australia		Botswana				Spain	USA
	Freshwater volume	Other Water	Freshwater volume	Other Water				
Surface water	95	0	95					
Groundwater	0							
Seawater	0							
Third-party water	0							
Total water discharge	95	0	95					

303-5 Water consumption

	FY2022				Spain	USA
	Australia		Botswana			
Total water consumption from all areas	1,602	ML	560	ML		
Total water consumption from all areas with water stress	1,602	ML	N/A	ML		
Change in water storage, if this has a significant water-related impact	0	ML	N/A	ML		

Climate Change

GGRI 302: Energy

	FY2022					FY2021
	Total	Australia	Botswana	Spain	USA	
302-1						
Diesel - electricity	1,007,051	1,006,446	605		0	1,003,381
Diesel - non-transport	193,487	193,487	0		0	196,623
Diesel - transport	17,311	13,633	3,648		30	28,207
Diesel - total	1,217,850	1,213,567	4,253		30	1,228,211
Solar	74,317	74,317	0		0	77,449
"Electricity consumption (Excludes self generated electricity consumed on site to avoid double counting)"	475	475	0		0	387
Other	11,115	11,115	0		0	14,131
Total energy consumption inside the organisation (GJ)	1,463,684	1,299,474	164,180		30	1,320,179
302-2						
Total energy consumption outside the organisation(GJ)	0	0	0		0	0
302-3						
Energy from non renewable sources (GJ)	1,389,367	1,225,157	164,180		30	1,242,343
Energy from renewables sources (GJ)	74,317	74,317	0		0	77,449
"Total electricity consumed (GJ) (Excludes self generated electricity consumed on site to avoid double counting)"	0	0	0		0	387
Energy intensity ratio (inside organisation - GJ/ tonnes ore milled)	0.77	0.77	0		0	0.84
302-4						
Reduction in fossil fuel energy from using renewables (GJ)	201,104	201,104	0		0	207,759

Note 1 - Methods for calculating 302-1, 302-2 and 302-3 from the NGER Determination as applicable for the relevant reporting year

Note 2 - 302-4 baseline year FY2015. Energy savings estimated by using the GJ/MWhr rate

Note 3 - Other includes oils, greases, ULP and LPG

Note 4 - Sandfire's West Perth office and Offices have not been included.

GRI 305: Emissions

	FY2022					FY2021
	Total	Australia	Botswana	Spain	USA	
305-1						
Diesel - electricity	72,287	70,653	1,634			70,437
Diesel - non-transport	13,583	13,583	0			13,803
Diesel - transport	10,810	960	9,850			1,986
Diesel - total	96,679	85,195	11,484			86,226
Other - total	156	156	0			118
Total Scope 1 emissions (t CO₂-e)	96,835	85,351	11,484			86,344
305-2						
Electricity purchased	92	92	0			75
Total Scope 2 emissions (t CO₂-e)	92	92	0			75
305-4						
GHG emissions intensity ratio (kg CO ₂ -e/ tonnes ore milled)		50.84	0			55
305-5						
Reduction in emissions from using renewables (t CO ₂ -e)	14,117	14,117	0			14,585

Note 1 - Gases included in the Scope 1 & Scope 2 GHG emission calculation for 305-1&2 include CO₂, CH₄, N₂O, HFCs, PFCs, SF₆

Note 2 - Reduction of emissions due to renewables estimated using the CO₂-e per kWh that would have been emitted if the power were generated using the DeGrussa diesel power station

Note 3 - Other includes oils, greases, ULP, LPG and SF₆ leakage

Note 4 - Tonnes of ore milled at DeGrussa = 1,680,741.65

Note 5 - Offices have not been included.

Other

GRI 419: Socio-economic Compliance

	FY2022			
419-1a	Australia	Botswana	Spain	USA
Significant fines and non-monetary sanctions for non-compliance with laws and/or regulations in the social and economic area in terms of:				
i. total monetary value of significant fines	0	0	0	0
ii. Total number of non-monetary sanctions	0	0	0	0
iii. Cases brought through dispute resolution mechanisms	0	0	0	0

	FY2022			
419-1b	Australia	Botswana	Spain	USA
If the organisation has not identified any non-compliance with laws and/or regulations, a brief statement of this fact is sufficient.				
	The organisation has not identified any non-compliance with laws and/or regulations.	The organisation has not identified any non-compliance with laws and/or regulations.	The organisation has not identified any non-compliance with laws and/or regulations.	The organisation has not identified any non-compliance with laws and/or regulations.

	FY2022			
419-1c	Australia	Botswana	Spain	USA
The context against which significant fines and non-monetary sanctions were incurred.				
	N/A	N/A	N/A	N/A

Only Australia and Botswana operations were subject to assurance.