



**2023**

# Sustainability Report

## TABLE OF CONTENTS

About this Report	1
Message from the Managing Director	2
<b>Our Company</b>	3
Governance	3
Human Rights	5
Sustainability Governance	5
<b>Sustainability at Red 5</b>	6
Our Approach	6
Materiality Assessment	6
United Nations Sustainable Development Goals	6
<b>Our Workforce</b>	7
Workplace Health & Safety	7
Employee engagement	8
Diversity and Inclusion	9
<b>Social Performance</b>	10
Community relations	10
Cultural heritage	10
<b>Environmental Stewardship</b>	11
Environmental Approvals and Compliance	11
Greenhouse Gas (GHG) Management	11
Water management	12
Waste Management	13
TSF Management	14
Biodiversity	14
Mine closure and Land Rehabilitation	14
<b>ESG Roadmap</b>	15

## ABOUT THIS REPORT

Our inaugural Sustainability Report builds on the ESG Report published for FY22 and discloses our approach to generating sustainable value for our stakeholders and it will constitute the baseline against which we will measure our performance in our future publications.

It presents a review of our Sustainability strategy and performance on the Company's most critical ESG issues for the period from 1 July 2022 to 30 June 2023. The reported information has been reviewed and approved for release by our Board of Directors.

All data and references in this report relate to Red 5 managed activities only for the year ending 30 June 2023 ("FY23").

The methodology employed to determine the topics and metrics included is aligned to the guidelines provided by the Global Reporting Initiative (GRI), through which we communicate to our stakeholders our approach to responsible and sustainable business practices.

## ACKNOWLEDGMENT OF COUNTRY

Red 5 Limited acknowledges that our operations are located on land that has belonged to Indigenous peoples for thousands of years. We respect and honour their deep connection to Country as well as their traditional knowledge of the natural resources of their land. We pay our respects to them and their culture, and to their elders both past, present and emerging.

## MESSAGE FROM THE MANAGING DIRECTOR

*On behalf of the Board of Directors, executive leadership, and the entire Red 5 team, I am pleased to present Red 5's inaugural Sustainability Report, a significant milestone in our ongoing journey to reaffirm our commitment to be a responsible player in the mining and minerals industry.*

*As part of the global gold industry, we recognise our vital role in conducting our activities in line with our stakeholder expectations for responsible sustainable development. We are dedicated to conducting our business ethically and responsibly, addressing our environmental and social impacts, and fostering positive relationships with all our stakeholders. We firmly believe that our sustainability performance is not only integral to our long-term success but also fundamental to delivering value to our stakeholders.*

*Our decision to publish a Sustainability Report is rooted in our determination to provide a transparent window into our environmental, social and governance (ESG) practices. Through this document, we aim to confirm to our stakeholders that we are focused on measuring the performance of our ESG systems and protocols and to continuously improve our practices and provide them with greater transparency on our operations.*

*We have taken concrete actions to identify, account for and mitigate our negative impacts on the environment as well as devise activities to strengthen our contributions to the wellbeing of our people and the communities in which we operate.*

*Our aspiration to become a successful multi-operational gold producer goes hand in hand with our commitment to creating value for our shareholders, our employees, and the communities in our area of influence. We are committed in maintaining a strong financial position while ensuring respect for the environment in which we operate.*

*This financial year we focused on strengthening our corporate culture by launching our corporate values. Red 5's CORRE Values invite us to act with Courage, take Ownership of our actions, Respect our co-workers, the environment and stakeholders, operate with Reliability and perform with Excellence. These values guide us in our daily endeavours and underscores our commitment to responsible and ethical business practices.*

*At Red 5, we take great responsibility for the health, safety, and wellbeing of our 307 employees. They have undertaken a total of 15,350 hours of training in Health and Safety to ensure that no production objective is achieved by putting our people at risk.*

*Our engagement with the Leonora township community, local landowners, and traditional custodians remains unwavering. We are committed to listening to their feedback and addressing their concerns, ensuring our operations harmonise with the aspirations of the communities we work in.*

*Regarding our environmental management activities, we have taken a step to quantify our emissions of Green House Gases (GHG), focusing on Scope 1 and 2 emissions. This initiative is the foundation for our climate change action plan. Today, the impact of climate change is one of the main challenges of our generation. In line with the Australian Government's commitments to significantly reduce emissions by 2030, we are measuring our environmental footprint and establishing strategies to progressively reduce our emissions. While we acknowledge there is much work ahead, we are confident that this action sets us on the right path.*

*As we look to the future, I have complete confidence in our Senior Management team to achieve our targets while staying true to our sustainability commitments. I extend my gratitude to them and to the dedicated teams they lead, and whose efforts have made the publication of our inaugural Sustainability Report possible.*

*Thank you for your continued support and partnership as we embark on this journey towards a more sustainable and responsible future.*

*Sincerely,*

**Mark Williams**  
Managing Director



## OUR COMPANY

Red 5 is an Australian gold producer operating two established mines located in the Eastern Goldfields of Western Australia: King of the Hills (KOTH) and Darlot gold mines.

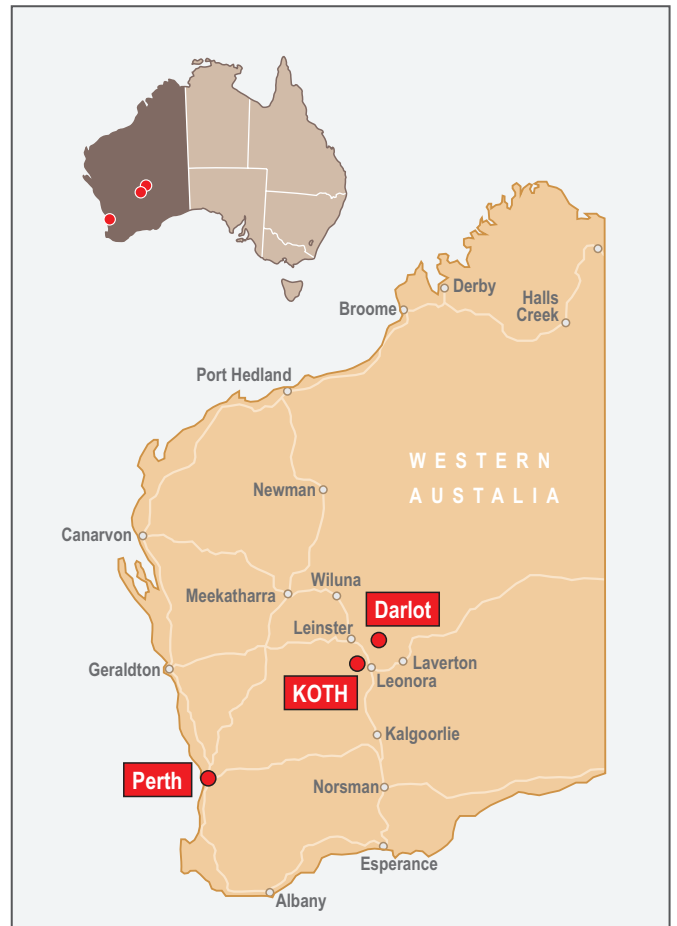
### KING OF THE HILLS (KOTH)

The KOTH Hub is located approximately 900 kilometres north-east of Perth and 25 kilometres north of Leonora in Western Australia. It comprises a 5.5Mtpa processing plant, underpinned by an Ore Reserve of 2.5Moz of contained gold, with ore being fed from a bulk open pit and underground mining operation. The A\$226 million development and construction of the KOTH project was completed in 2022, with first gold produced on 5 June 2022.

### DARLOT

The Darlot Gold Mine is located ~900km north-east of Perth in the highly-endowed Eastern Goldfields region of Western Australia. The mine is operated through Red 5's 100%-owned subsidiary company, Darlot Mining Company Pty Ltd.

In July 2022, Darlot transitioned from a stand-alone processing facility to become a satellite underground mine to KOTH Processing Hub, which is ~100 km's by road from Darlot.



## Governance

Our values give us a clear framework for the expected behaviour of every member of our team, from the Board of Directors to our workforce on site. They are present in everything we do, guiding the way we work, how we treat each other and the standards we uphold.

**“OUR VISION** is to be a successful multi-operational exploration and mining company, providing benefits to all stakeholders through the consistent application of technical excellence and responsible and sustainable industry practices.”



Red 5's CORRE values are aligned with our vision and mission for the Company, drive our safety & performance, and are intended to attract the right people who embrace our CORRE values.



#### Courage

We take initiative with integrity and have the strength to speak to our convictions



#### Ownership

We are committed to our Vision and accountable for our individual/team safety and performance



#### Respect

We trust and empower each other, and show respect to country and our stakeholders



#### Reliability

We do what we say



#### Excellence

We are agile and efficient and work relentlessly to achieve our Mission

## OUR COMPANY *(cont.)*

### Governance *(cont.)*

The Board of Directors is the highest governing body of our company. The Board is responsible for protecting the rights and interests of our shareholders and ensuring our results deliver value to all our stakeholders. They provide our executives with strategic direction, helping us to achieve our goals and commitment without compromising the health and safety of our workers, the environment, or the well-being of communities in our area of influence.

We undertake our business activities in an ethical manner that observes systems of good corporate governance and a zero-tolerance culture for behaviours that would put our Company at adverse risk.

The Board is also responsible for approving and overseeing our Corporate Policies, which provide a framework for our day-to-day practices, ensuring an ethical behaviour throughout our operations.

The full disclosure of our policies can be found on our website.

Our Code of Conduct sets out the minimum expectations for the way we operate and applies to all personnel and business partners who engage with our business. It ensures that we act in a transparent and accountable manner. We comply with all applicable legal requirements and industry regulations through the utilisation of effective risk management, integrated management systems and robust review.

### Corporate Governance Policy Structure

	Environment	Social	Governance
<b>Board Responsibilities</b>			
Board Charter		▲	▲
Constitution			▲
Continuous Disclosure Policy			▲
Code of Conduct	▲	▲	▲
Corporate Governance Statement			▲
Securities Trading Policy			▲
Shareholder Communications Policy		▲	▲
Modern Slavery Statement		▲	▲
<b>Audit and Risk Committee Responsibilities</b>			
Audit and Risk Committee Charter	▲	▲	▲
Risk Management Policy	▲	▲	▲
Anti-bribery and Corruption Policy		▲	▲
Selection and Performance of External Auditor			▲
Whistleblower Policy	▲	▲	▲
<b>Remuneration and Nominations Committee Responsibilities</b>			
Remuneration and Nominations Committee Charter			▲
Selection and Nominations of new Directors			▲
Diversity Policy		▲	▲
<b>Sustainability Committee Responsibilities</b>			
Sustainability Committee Charter	▲	▲	▲
Environment Policy	▲		
<b>Health, Safety and Community Committee responsibilities</b>			
Health, Safety and Community Committee Charter		▲	▲
Occupational Health and Safety Policy		▲	▲

▲ Board and Committee ESG responsibilities.

During FY23 the Board has established four standing Committees to assist in the discharge of its responsibilities:

- ▲ Audit & Risk Committee – combined in April 2023
- ▲ Remuneration and Nominations Committee
- ▲ Sustainability Committee – Formed in April 2023
- ▲ Health, Safety, & Community Committee

The Audit & Risk Committee was formed by combining the two previous Committees, the Audit Committee and the Risk and Environment Committee.

The Sustainability Committee was formed in May 2023 and is responsible for assisting the Board in carrying out its responsibilities concerning the Company's environmental, social, and governance (ESG) matters.

### Board of Directors

**Russell Clark** – Non executive Chair

**Mark Williams** – Managing Director

**Andrea Sutton** – Non executive Director

**Peter Johnston** – Non executive Director

**Ian Macpherson** – Non executive Director

**John Colin Loosemore** – Non executive Director

**Steve Tombs** – Non executive Director

## OUR COMPANY *(cont.)*

### Human Rights

Respect for human rights is an essential aspect of any responsible business. Our commitment to human rights includes ensuring fair treatment of employees, avoiding discrimination, and promoting ethical practices throughout our operations and supply chain.

In FY23 we reviewed and implemented changes into our terms and conditions for contracting parties to further enhance our commitments.

### Sustainability Governance

At Red 5, we are acutely aware of the unique challenges and responsibilities that come with operating in the mining industry. Our commitment to sustainability is not just a corporate slogan; it is a guiding principle that shapes our operations.

At Board level, the Sustainability Committee is responsible for overseeing the functioning of our Sustainability Policy and the associated protocols we have in place to achieve our ESG goals and targets.

### SUSTAINABILITY COMMITTEE

**Andrea Sutton** – *Chair*

**Colin Loosemore** – *Non-Executive Director*

**Steven Tombs** – *Non-Executive Director*

The following outlines our Sustainability Standard:

#### Ethical Governance and Anti-Corruption

We operate with the highest standards of integrity and transparency. Our governance structures are designed to prevent bribery, corruption, and other unethical practices, ensuring that we remain accountable to our stakeholders.

#### Economic Contributions

Beyond our core operations, we are committed to contribute to our regional economy. This includes providing fair wages, supporting local businesses, and investing in community development projects.

Our operations will continue to develop, implement and maintain management systems centred on the responsible use of resources for future generations and with an appetite for continual improvement.

### Workplace Health and Safety

The safety and well-being of our workforce are paramount. We have implemented rigorous safety protocols, regular training sessions, and health initiatives to ensure that our employees work in a safe and supportive environment.

### Environmental Stewardship

Recognising the potential impacts of our operations on the environment, we are committed to responsibly managing the land and resources on which we depend and share with our neighbours and future generations. We will continue to adopt approaches to minimise water usage, prevent contamination and ensure safe disposal of waste, prioritising the health of the surrounding environment and our stakeholders.

### Biodiversity Conservation

Our operations are designed to minimise disruptions to local ecosystems where possible. We actively engage in rehabilitation activities and promote initiatives to ensure that local biodiversity is investigated, understood and managed for the best outcomes.

### Greenhouse Gas Emissions

Through continuous improvement, we are actively working to reduce our carbon emissions generated through our production pipeline. The adoption of renewable energy sources, energy-efficient technologies, and carbon capture and storage solutions are allowing us to develop an understanding of the technologies available to the industry and how to incorporate those into the future of our operations.

### Community Engagement

We believe in fostering strong, positive and engaging relationships with the communities in which we operate. This involves regular consultations, transparent communication, and initiatives aimed at ensuring that local community's benefit from our presence.

# SUSTAINABILITY AT RED 5

## Our Approach

Our approach to sustainability is built on safe, efficient project activities, sound environmental management, open and consultative community relations, and appropriate returns on investment. To achieve this, the Sustainability Committee has been established to assist the Board in its oversight of relevant ESG issues. Our commitment is upheld by our company-wide approach which integrates sustainable principles into everyday practice.

We are committed to a safe, productive, and sustainable business model founded on strong health, safety and environmental practices. Our Vision is to be a successful multi-operational mining company, providing benefits to all stakeholders through the consistent application of technical excellence and responsible and sustainable industry practices.

## Materiality Assessment

During FY23, we performed an internal review to determine if our material topics were still relevant and if any new topics should be reflected. The evaluation resulted in the reorganisation and renaming of several material topics. The updated topics aim to further develop the focus on our relevant ESG impacts, capturing the expectations of our stakeholders and provide a framework for measuring success. We recognise that our material topics will evolve over time as the business grows and as our sustainability performance matures, and the framework will be improved accordingly. The full list of material topics is presented in the following table.

Business Ethics	Employee Engagement	Waste Management
Approvals & Compliance	Community Relations	TSF Management
Human Rights	Cultural Heritage	Biodiversity
Occupational Health & Safety	GHG Management	Mine Closure & Land Rehabilitation
Human Capital	Water Management	

It is important to note that the revision of our material topics considered the guidelines outlined by the Global Reporting Initiative (GRI) and the industry specific topics found within the Sustainability Accounting Standard Board's (SASB) Metals and Mining industry standards. We aim to continue to build on our alignment with the SASB standards in the future.

## United Nations Sustainable Development Goals

Our Sustainability approach and, subsequently, material topics are aligned to the values embodied in the 17 UN Sustainable Development Goals. They are comprised by 169 targets and are designed to provide a general framework for all the 193 member States of the United Nations to improve the quality of life of the world population by 2023. As such, they focus on the most urgent social, economic and environmental matter.

Through our commitment to operate responsibly, we support the Australian government and local industry's effort to address the impacts the mining sector has on the environment and its surrounding communities, specifically in the targets outlined in goals:

- SDG 5:** Gender equality
- SDG 6:** Clean water and sanitation
- SDG 8:** Decent work and economic growth
- SDG13:** Climate action
- SDG 15:** Life on Land



## OUR WORKFORCE

At Red 5, we are dedicated to ensuring that we are an employer of choice and that we provide a safe, respectful, and thriving work environment for our employees. Alongside our Diversity Policy we will look to further develop diversity activities having regard to the challenging Western Australian market for talent. We strive to have an appropriate level of awareness and training available to all of our employees.

In FY23, Red 5 focused on the communication of its CORRE Values to the workforce. At our King of the Hills Operation we have worked with our primary business partner Macmahon to create and communicate a set of shared values which are supported by Red 5 CORRE Values.

In FY24 CORRE Values will be embedded in the performance management system providing a formal structure for measurement of achieve by demonstration of these values in the workplace.



### Workplace Health & Safety

We strive to develop and sustain industry-recognised best practice in health and safety management across the Company's operations and to prevent and mitigate any adverse risks to our people and communities in which we operate. All of our employees and contractors are covered by an occupational health and safety management system. The below table highlights our FY23 Results.

Indicator	FY23 Results
Lost time injuries (LTI)	2
Lost time injury frequency rate (LTIFR)	0.51
Total recordable injuries (TRI)	20
Total recordable injury frequency rate (TRIFR)	9.02
Fatalities	0
Near miss frequency rate (NMFR)	28.0
First aid injuries	122
Hours worked	1,997,289
Health & safety training conducted	15,350 hours
Cases of recordable work-related ill health	0

With implementation of the new Workplace Health and Safety legislation, regulations and codes of practices, we commenced the alignment of our health and safety management system to these new requirements.

The new workplace behaviour complaint process was implemented during Q1 FY23. This will be further supported in FY24 as we roll out additional training for supervisors. We have experienced an overall improvement in the safety lag indicators and the business continued to focus on field leadership as a method to further improve our safety performance in FY24.



## OUR WORKFORCE *(cont.)*

### Employee engagement

Effective employee engagement is critical for maintaining a productive and engaged workforce. A commitment to effective employee relations includes building value in the organisation by fostering transparent communication and positively engaging with our employees, associated employee groups and unions. We aim to provide fair compensation and benefits to our workforce.

Our primary focus in FY23 was to focus on improving our retention of employees. Since the previous financial year, our focus on our people has seen the turnover rate decrease by 15% from the previous 12 months.

Indicators	FY23 Results	
Total of employees	307	
<b>Gender breakdown</b>	<b>Male</b>	<b>Female</b>
Employee Diversity	87.7%	12.3%
Employee Hiring Rate	85.9%	14.11%
Employee Retention		
(% of Turnover Rate)	44.3%	53.7%

During the year we relocated our People and Culture team to being 100% site based to improve communication with the workforce and management ensuring that we were able to work with our employees in a timely and focused manner.

We have a range of policies in place that promote an inclusive work environment free from discrimination and harassment. Our investigation processes are robust and have been developed to appropriately examine, explore, resolve and put in place control measures to protect our stakeholders.

	Unit	KOTH	Darlot	Corporate	FY23 Total
<b>Employment type</b>					
Male - Full time	number	113	122	21	<b>256</b>
Female - Full time	number	27	16	4	<b>47</b>
Male - Part time	number	0	0	0	<b>0</b>
Female - Part time	number	0	1	0	<b>1</b>
Total Employees	number	140	139	25	<b>304</b>
<b>Employee category</b>					
Male - permanent	number	113	120	21	<b>254</b>
Female - permanent	number	27	17	4	<b>48</b>
Male - fixed term	number	0	2	0	<b>2</b>
Female - fixed term	number	0	0	0	<b>0</b>
Male - temporary (casual)	number	2	2	0	<b>4</b>
Female - temporary (casual)	number	2	0	0	<b>2</b>
Total Employees	number	144	141	25	<b>310</b>
Percentage of workforce that are contractors (Fixed Term Employees)	%	0.0	1.4	0.0	<b>0.6</b>

## OUR WORKFORCE *(cont.)*

### Employee engagement *(cont.)*

At Red 5, we recognise that we operate in a highly competitive industry and sector. As a result, we are focused on creating a supportive environment that appropriately recognises and rewards our employees for their positive contributions and efforts. Various arrangements are in place that help to promote a sense of commitment, belonging and satisfaction. These include retention bonuses, quarterly performance bonuses, and market salary reviews.

Hires & turnovers FY23	Gender			Age Group				
	Male	Female	Total	Under 20	20-29	30-49	50-59	60 and over
New hires	140	23	163	2	37	95	16	15
Hiring rate (%) <sup>1</sup>	8	14	100	1	22	58	10	9
Turnover	116	29	145	1	22	87	25	9
Turnover rate (%) <sup>2</sup>	80	20	100	1	16	60	17	6

1. % based on the total number of new hires

2. % based on the total number of employees that left the business

Moving forward, we will continue to develop and implement initiatives that support a positive work environment and ensures harmonious employee relations. Our future objectives include:

- ▲ Undertaking an employee culture survey;
- ▲ Implementation of the CORRE Values Awards;
- ▲ Demonstration of CORRE Values forming part of the short-term incentives across the whole workforce
- ▲ Implementing mandatory Bullying and Harassment training;
- ▲ Introduction of a leadership development program.

As of the end of FY23, 48.7% of our workforce is covered under collective bargaining agreements.

### Diversity and Inclusion

To ensure alignment with the “The Elimination of Sexual Harassment on Women in the FIFO Mining Industry” report released by the Western Australian Parliament in 2022, we implemented a number of initiatives during the year which will continue into FY24 and beyond. These included a review of village operations to ensure that these are reflective of broader community standards and this culminated in the implementation of common policies at both our operations. Review of our security operations were ongoing through FY23 in partnership with an external provider and further enhancements in this area are scheduled for implementation in Q1 and Q2 FY24.



## SOCIAL PERFORMANCE

We are determined to maintain a positive long-term relationship with the communities in our area of influence. Our commitment to a responsible operation is reflected in our willingness to engage with them in a transparent and inclusive manner.

### Community relations

Establishing clear, transparent, and participative communication with all stakeholders, including regulators, local communities, and other interested or affected parties is crucial to driving positive relationships. We operate in a thinly populated region with the main communities located in the township of Leonora, along with local landowners and traditional owners. We support the local economy by employing local contractors for several roles both directly and through our business partners.

During FY23 Red 5 continued its support of the Leonora Golden Gift and confirmed our support of the Leonora Blazers youth basketball team which attended the NAIDOC basketball tournament in July 2023. In FY24 we look forward to being able to support a range of community events and groups.

We also undertook a number of feral pest control programs at both KOTH and Darlot. Through our ownership of Melrose Pastoral Station we commenced a destocking program and will be investigating a range of programs in FY24 to further enhance the pastoral lease operations.

### Cultural heritage

We operate with respect to the interests, customs, traditions, and cultures of local communities and Indigenous groups. We are committed to engaging and consulting with traditional owners to ensure protection of important cultural heritage values and to maintain a positive relationship.

All of Red 5's operations fall on land recognised under Indigenous Native Title. The Native Title Act 1993 (Cth) ensures the co-existence of our operations with the recognition and protection of Native Title. There were no non-compliance incidents or violations involving the rights of indigenous peoples and Native Title holders throughout the year. The Darlot Native Title Claim was determined on 5 July 2022, and has seen the ongoing efforts of both parties to negotiate an agreement, which will continue into FY24.

The landscape of the region in which we operate holds special significance for local traditional owners. Surveys involving specialist archaeologists, anthropologists and the traditional owners have been undertaken at all areas of our operations. Sites of importance have been mapped and integrated into our mine planning process to avoid impact and ensure their preservation for generations to come.



## ENVIRONMENTAL STEWARDSHIP

At Red 5 we are committed to identify, prevent, and mitigate our environmental impacts. Our approach to responsible environmental management ensures we conform with the capabilities, protocols and resources to mitigate impacts and prevent any potential harm to our ecosystem.



### Environmental Approvals and Compliance

During FY23, continuous routine monthly, quarterly, and annual compliance monitoring, sampling, and reporting across the operations were conducted. There were no fines or penalties imposed on the Company, no serious environmental incidents and no material environmental harm.

In the reporting year, we further increased the precision of our monitoring system by improving the quality of the data management system and building the body of knowledge of environmental requirements amongst the leadership teams at both KOTH and Darlot. Proactive engagements with the Environment Section have been undertaken at both sites and cooperation between operations and project teams have accorded a holistic approach to risk management relating to new projects.

During FY23, compliance and reporting requirements for both KOTH and Darlot associated with environmental approvals, compliance, care and maintenance and rehabilitation obligations at the Great Western operation have been achieved.

At Darlot, a care and maintenance plan has been completed and submitted to DMIRS for the Darlot Tailings Storage Facilities and Processing Plant.

### Greenhouse Gas (GHG) Management

Effective GHG management will involve implementing renewable energy solutions and reducing GHG emissions throughout our operations and assist in global decarbonisation efforts. Through continuous improvement, we are actively working to reduce the carbon emissions generated through our production activities. The adoption of renewable energy sources, energy-efficient technologies, and carbon capture and storage solutions is allowing us to develop an understanding of the technologies available to the industry and how to incorporate those into the future of our operations.

Our organisation relies on industry leaders' expertise to determine emissions and provide regular reporting through the national pollutions inventory (NPI) and the national greenhouse and energy reporting (NGER) process. In FY22, Red 5 was responsible for the production of approximately 66,800 tonnes of CO<sub>2</sub>-e between its mining, exploration and corporate operations. With the commencement of mining and processing operations at KOTH, this has increased to 145,781 tonnes in FY23. Having this precision of information allows the organisation to assess and identify opportunities for improvement in carbon management more fully.

## ENVIRONMENTAL STEWARDSHIP *(cont.)*

### Greenhouse Gas (GHG) Management *(cont.)*

#### TOTAL GHG EMISSIONS FROM OPERATIONS

Parameter	Unit	FY2023	% Change	FY2022	% Change	FY2021
Scope 1 GHG emissions	(t CO <sub>2</sub> -e)	145,773	118	66,785	30%	51,494
Scope 2 GHG emissions	(t CO <sub>2</sub> -e)	7.52	45	5.17	-35%	7.97
Total Scope 1&2 emissions	(t CO <sub>2</sub> -e)	145,781	118	66,790	30%	51,502
Energy consumed	GJ	3,068,656	140	1,279,714	18%	1,082,509
Net energy consumed	GJ	2,512,502	132	1,084,177	25%	869,550
Energy produced	GJ	552,154	182	195,537	-8%	212,959

#### KOTH

Power for the KOTH operation is sourced from an onsite hybrid gas-solar power station. The installation includes a 2 MW solar farm that feeds into the operation hub and solar arrays to power several of the more remote production groundwater bores. Further options are being evaluated to contribute to a reduction in the operation's carbon emissions.

#### Water management

We are committed to optimising our water usage through effective baseline monitoring, management and routine reporting. It is our responsibility to conserve this finite resource, manage risks to water quality from our activities and to operate with respect to other local resource users.

#### DARLOT

Since decommissioning the Darlot processing circuit in early FY23, the Darlot operation has significantly reduced its water usage. In FY23, approximately 508 kL of water was abstracted from underground to allow mining, with 209 kL re-used on site. The Darlot borefield is still used to provide water for the accommodation village, including the ablutions, potable supply and some minor uses across the operation amounting to a further 108 kL during the same period. Additional water supply from the neighbouring British King property has been placed in care and maintenance but remains a potential source if needed.

License	Aquifer	Drawpoint	Annual Entitlement (kL)	Abstraction Volume 2022/23 (kL)	Abstraction Volume 2021/22 (kL)	Abstraction Volume 2020/21 (kL)
65798(5)	Calcrete	PB1 - 4	805,000	108,576	257,721	260,506
179191(1)	Fractured Rock	Centenary	500,000	278,487	378,225	267,239

#### KOTH

KOTH pit dewatering and existing production bores around the pit provided the necessary water supply for the KOTH processing plant construction, commissioning and ramp up during FY22. In FY23 the re-commissioned Sullivan borefield, including four new production bores, mine dewatering and recycled tailings decant water will continue to support operations going forward. Approximately 2.4 million kL were abstracted across the three water licences at King of the Hills. Much of this was used during the construction phase to build infrastructure such as tailings storage facilitate construction activities, fed into the processing circuit and is being used to manage dust across the operations as well as supplying the KOTH accommodation village.

## ENVIRONMENTAL STEWARDSHIP *(cont.)*

### Water Management *(cont.)*

To improve our dust management at KOTH a dust management program was introduced in Q3 FY23. This has seen a vast reduction of dust generated from vehicle operations on site roads. In Q1 FY24 we will commence trials on further opportunities to reduce dust from our operations.

Licence	Annual Entitlement (kL)	2022-2023	2021-2022	2020-2021
GWL63771(7)	1,340,000	671,976	876,273	53,060
GWL204011(1)	2,100,000	1,585,275	1,369,623	0
GWL204012(1)	760,000	135,763	0	33,596
Tarmoola Aquifer Combined	4,200,000	2,393,014	2,245,896	86,656
<b>% of Entitlement</b>		<b>56.97%</b>	<b>53.47%</b>	<b>2.06%</b>

### Waste Management

Appropriate waste management and safe disposal are critical to our industry to minimise environmental impacts. We are committed to reducing our waste generation and implementing recycling and reusing practices where possible through the utilisation of the operational Waste Management Plan.

#### DARLOT

Hydrocarbon wastes are all removed from site by a certified contractor, transporting them to an appropriate facility where they are disposed of per WA State regulations.

Metals recycling is ongoing at the operation, as well as specialised waste initiatives focussing on e-waste, HDPE pipe and decommissioned infrastructure. Materials we recycle include steel, mesh and bolts, batteries, copper cables and conveyor belts.

Waste Generation - Darlot		
Waste rock generated	Metric tons (t)	248,480
Hazardous waste generated	Metric tons (t)	1,551,272
Hazardous waste recycled	Metric tons (t)	9,373
Waste related non-compliance incidents or violations	Number	0

#### KOTH

Disposal and recycling processes across the operation will continue to be refined and improved in collaboration with our business partners, and will include a new landfill, scrap storage/salvage and bioremediation area planned for construction in early FY24.

Waste Generation - KOTH		
Non-mineral waste generated	Metric tons (t)	1,460
Waste rock generated	Metric tons (t)	5,907,200
Hazardous waste generated	Metric tons (t)	1,112,265
Waste-related non-compliance incidents or violations	Number	0

## ENVIRONMENTAL STEWARDSHIP *(cont.)*

### TSF Management

Responsible tailings storage facility management includes designing and operating our TSFs according to best practice industry standards and conformance with regulations. These critical details are encapsulated in the TSF operating manuals of our sites and includes the employment of a full time TSF engineer to monitor the tailings facilities. This ensures the safety of our workers and surrounding communities and minimises potential environmental impacts. None of our sites have acid rock drainage (ARD) predicted to occur, actively mitigated, or under treatment.

Tailings Storage Facilities	Unit	KOTH	Darlot
Total weight of tailings produced	Dry tonnes (t)	4,218,065	34,608*
Total mineral waste mined	tonnes (t)	11,448,574	246,155

\* Darlot processing facility was placed on care and maintenance in July 2022



### Biodiversity

The KOTH operations are situated in the Eastern Goldfields of Western Australia, a region with a long history of pastoralism and mining. Conserving the remaining biodiversity values is a key goal for Red 5. A number of key species have been known to historically occur in the area including Malleefowl (*Leipoa ocellata*) and Chuditch (*Dasyurus geoffroyi*). While there are no recent records of species of conservation significance close to the KOTH operations, pest control activities were undertaken to assist in the control of feral populations of cats, dogs and foxes. This is aimed to reduce predatorial pressure on native species occurring, but unrecorded, in the area. The sites also fall within the northern rangelands management group boundaries which strives to minimise and control the spread of opuntia cactus (prickly pear) in the Eastern Goldfields.

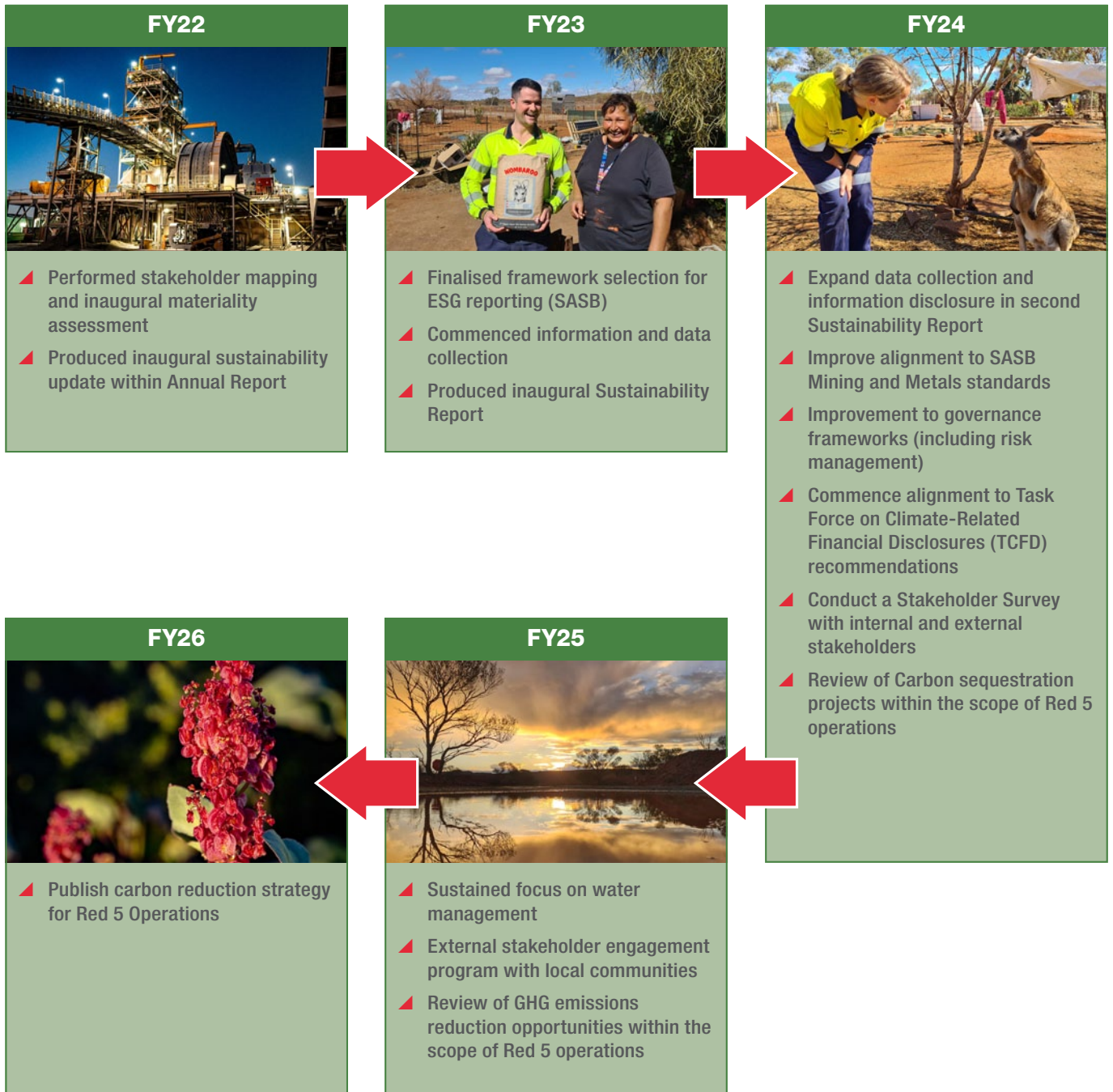


### Mine closure and Land Rehabilitation

We have made adequate financial provision for required mine closure activities and to support the development of appropriate post-mining land uses. To facilitate an understanding of what the ideal post-mining land uses will be, we will engage with, discuss, and listen to the feedback of our stakeholders and efforts will be made to accommodate where this is possible. The end goal of these provisions is to bring the land to a reusable state and be of benefit to the surrounding stakeholders, including pastoral, heritage and local government groups.

During FY24, as part of our mine closure obligations a review and subsequent updates will be completed.

# ESG ROADMAP







[www.red5limited.com](http://www.red5limited.com)