

Annual Audit Compliance Report Form

Environmental Protection Act 1986, Part V Division 3

Once completed, please submit this form either via email to info@dwer.wa.gov.au, or to the below postal address:

Department of Water and Environmental Regulation
 Locked Bag 10
 Joondalup DC WA 6919

Section A – Licence details			
Licence number:	L5029/1992/11	Licence file number:	FA261388
Licence holder name:	Northern Star (Kanowna) Pty Limited		
Trading as:	KANOWNA BELLE GOLD MINE		
ACN:	010 511 789		
Registered business address:	Kanowna Belle Gold Mine M27/18, 22, 23, 37, 49, 57, 92, 103, 122, 123, 127, 159, 164, 232, 245, 287, 420 and L27/87, 83, 62 KALGOORLIE WA 6430		
Reporting period:	01/01/2022 to 31/12/2022		

Section B – Statement of compliance with licence conditions
Did you comply with all of your licence conditions during the reporting period? (please tick the appropriate box)
<input type="checkbox"/> Yes – please complete: <ul style="list-style-type: none"> • section C; • section D (if required); and • sign the declaration in Section F.
<input checked="" type="checkbox"/> No – please complete: <ul style="list-style-type: none"> • section C; • section D (if required); • section E; and • sign the declaration in Section F.

Section C – Statement of actual production	
Provide the actual production quantity for this reporting period. Supporting documentation is to be attached.	
Prescribed premises category	Actual production quantity
5	2,000,266 tonnes
6	285,330 kL
44	49,876 tonnes

Section D – Statement of actual Part 2 waste discharge quantity

Provide the actual Part 2 waste discharge quantity for this reporting period. Supporting documentation is to be attached.

Prescribed premises category	Actual Part 2 waste discharge quantity
5	2,000,266 tonnes
6	285,330 tonnes

Section E – Details of non-compliance with licence condition			
Please use a separate page for each condition with which the licence holder was non-compliant at a time during the reporting period.			
Condition no:	28	Date(s) of non-compliance:	2022
Details of non-compliance:			
AS 3580.1.1:2016 - Methods for sampling and analysis of ambient air (section 7.2 and 8). SO2 monitoring sites located at KCY and WFY are near vegetation and large buildings to the sampling inlets.			
What was the actual (or suspected) environmental impact of the non-compliance? NOTE – please attach maps or diagrams to provide insight into the precise location of where the non-compliance took place.			
Negligible actual or suspected environmental impact. The physical constraints of infrastructure and surrounding vegetation are not likely to impact the measured SO2 concentrations. See Figure 1.			
Cause (or suspected cause) of non-compliance:			
Physical constraints of infrastructure and surrounding vegetation since commissioning of the KAMN represent inherent limitations of the selected monitoring sites. Re-positioning the monitoring sites is not considered a viable option given the power and access limitations and characteristics of these locations (i.e., within light industrial areas and regional bushland). It should be noted that NSR does not have land or tenure rights at the locations in which the monitoring stations are sited.			
Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:			
Consult with DWER regarding inherent limitations associated with the locations of some of the monitoring sites and develop action plan to address non-compliance.			
Was this non-compliance previously reported to DWER?			
<input checked="" type="checkbox"/> Yes, reported in 2021 AACR.			
<input type="checkbox"/> Reported to DWER verbally		Date: / /	
<input checked="" type="checkbox"/> Reported to DWER in writing		Date: 31/03/2022	

Section E – Details of non-compliance with licence condition			
Please use a separate page for each condition with which the licence holder was non-compliant at a time during the reporting period.			
Condition no:	29	Date(s) of non-compliance:	2022
Details of non-compliance:			
AS 3580.14:2014 – Method for sampling and analysis of ambient Meteorological monitoring for ambient air quality applications (section 2.4 – Table 3, 2.6.1, 3.5.1, 3.5.2.2 and 3.5.2.3). Location of the meteorological monitoring equipment at MEX due to presence of large trees and neighboring residences.			
What was the actual (or suspected) environmental impact of the non-compliance? NOTE – please attach maps or diagrams to provide insight into the precise location of where the non-compliance took place.			
Negligible actual or suspected environmental impact. The proximity of the trees is not considered likely to significantly influence the measured wind speed and direction at the site. See Figure 1.			
Cause (or suspected cause) of non-compliance:			
A tree approximately 6m tall is located within 8m of the MEX meteorological monitoring tower. However, the Standard also notes that porous structures such as trees are not likely to have as strong effect on wind flow as a building or other obstruction, and as such the proximity of the tree is not considered likely to significantly influence the measured wind speed and direction at the site. It should be noted that NSR does not have land or tenure rights at the locations in which the monitoring stations are sited.			
Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:			
Consult with DWER regarding inherent limitations associated with the MEX monitoring site and develop action plan to address non-compliance. Consideration will be given to the siting limitations when assessing the data at MEX, particularly in the event of atypical results.			
Was this non-compliance previously reported to DWER?			
<input checked="" type="checkbox"/> Yes, reported in 2021 AACR.			
<input type="checkbox"/> Reported to DWER verbally		Date: / /	
<input checked="" type="checkbox"/> Reported to DWER in writing		Date: 31/03/2022	

Section E – Details of non-compliance with licence condition			
Please use a separate page for each condition with which the licence holder was non-compliant at a time during the reporting period.			
Condition no:	29	Date(s) of non-compliance:	21 st to 24 th November 2022
Details of non-compliance:			
Data from MEX meteorological station was unavailable for a period in November 2022 and as such, the monthly total valid data percentage was less than the required 90%, i.e., valid data was not available for more than 90% of the time in the month, as per Licence Condition 29.			
What was the actual (or suspected) environmental impact of the non-compliance? NOTE – please attach maps or diagrams to provide insight into the precise location of where the non-compliance took place.			
NSR believes that there was no environmental impact resulting from the non-compliance as MEX meteorological station data is used as a point of reference only in the monthly KAMN report. It is not used for decision making in the Kanowna Belle Air Quality Control system and meteorological data in the region is well represented. See Figure 1.			
Cause (or suspected cause) of non-compliance:			
Failure following a storm event.			
Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:			
Failure rectified and operation resumed.			
Was this non-compliance previously reported to DWER?			
<input checked="" type="checkbox"/> Yes, reported in KAMN Sulphur Dioxide Monitoring Report – November 2022.			
<input type="checkbox"/> Reported to DWER verbally		Date: / /	
<input checked="" type="checkbox"/> Reported to DWER in writing		Date: 13/12/2022	

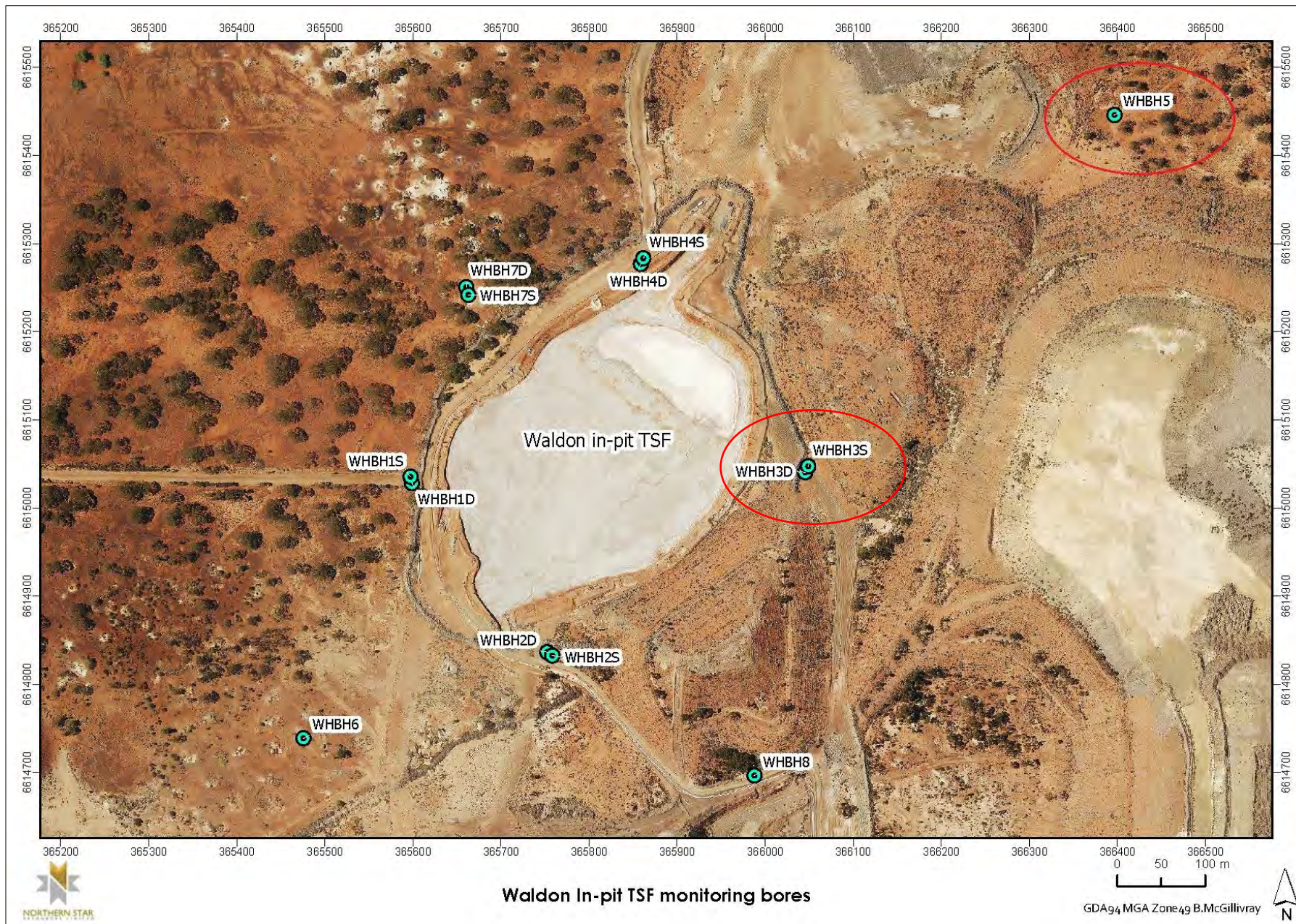
Section E – Details of non-compliance with licence condition			
Please use a separate page for each condition with which the licence holder was non-compliant at a time during the reporting period.			
Condition no:	23	Date(s) of non-compliance:	WBH3D – 2022 WBH5 – Nov 2022
Details of non-compliance:			
Standing water level measurements and water quality samples were not taken at groundwater monitoring bore WBH3D - all of 2022 and a standing water level measurement was not taken at bore WBH5 in November 2022.			
What was the actual (or suspected) environmental impact of the non-compliance? NOTE – please attach maps or diagrams to provide insight into the precise location of where the non-compliance took place.			
Negligible actual or suspected environmental impact. Multiple monitoring bores at the site and groundwater is well represented (see <i>Waldon In-pit TSF monitoring bores</i> map). Additionally, tailings discharge ceased to Waldon in September 2019.			
Cause (or suspected cause) of non-compliance:			
<ul style="list-style-type: none"> • WBH3D due to a suspected collapse/blockage in the bore; • WBH5 due to access being restricted for operational reasons. 			
Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:			
<ul style="list-style-type: none"> • WBH3D - NSR will seek to amend this Licence condition with a view to removing the monitoring requirements. • WBH5 – Standing water level measurements resumed once access was restored. 			
Was this non-compliance previously reported to DWER?			
<input checked="" type="checkbox"/> Yes, reported in Quarterly Process and Groundwater Monitoring Reports and the 2021 AACR.			
<input type="checkbox"/> Reported to DWER verbally		Date: / /	
<input checked="" type="checkbox"/> Reported to DWER in writing		Date: Q1- 24/02/2022, Q2- 25/05/2022, Q3- 16/08/2022 and Q4- 18/11/2022 & AACR - 31/03/22	

Section E – Details of non-compliance with licence condition			
Please use a separate page for each condition with which the licence holder was non-compliant at a time during the reporting period.			
Condition no:	23	Date(s) of non-compliance:	2022
Details of non-compliance:			
Standing water level measurements and water quality samples were not taken at groundwater monitoring bore RHBH9 due to restricted access.			
What was the actual (or suspected) environmental impact of the non-compliance? NOTE – please attach maps or diagrams to provide insight into the precise location of where the non-compliance took place.			
Negligible actual or suspected environmental impact. Multiple monitoring bores at the site and groundwater is well represented (see <i>Red Hill In-pit TSF Monitoring Bores Map</i>).			
Cause (or suspected cause) of non-compliance:			
Access to the bore was restricted for operational reasons.			
Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:			
Standing water level measurements and water quality sampling will resume once access is restored.			
Was this non-compliance previously reported to DWER?			
<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes reported in Quarterly Process and Groundwater Monitoring Reports.			
<input type="checkbox"/> Reported to DWER verbally		Date: / /	
<input type="checkbox"/> Reported to DWER in writing		Date: Q1- 24/02/2022, Q2- 25/05/2022, Q3- 16/08/2022 and Q4- 18/11/2022	

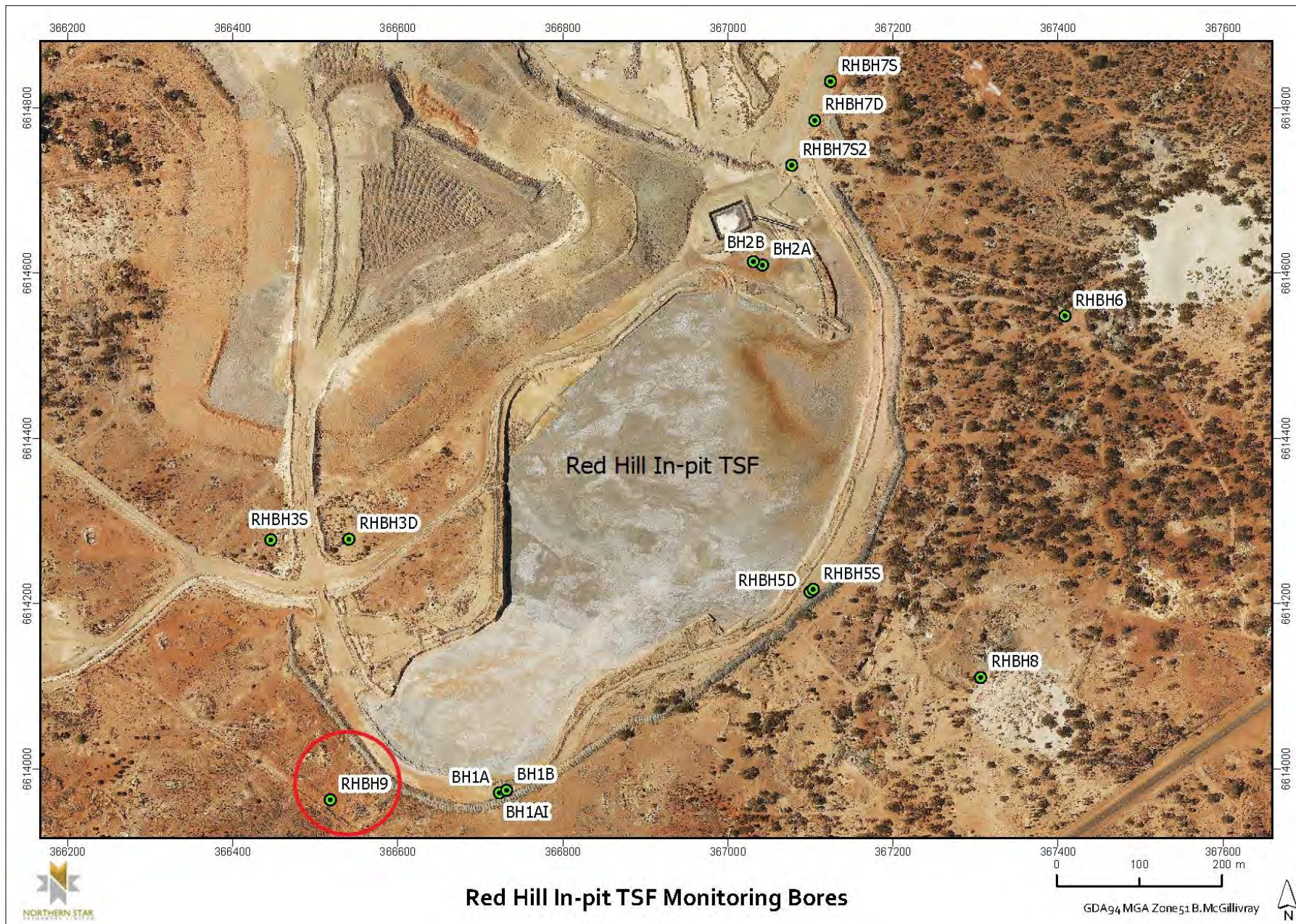
Section E – Details of non-compliance with licence condition			
Please use a separate page for each condition with which the licence holder was non-compliant at a time during the reporting period.			
Condition no:	23	Date(s) of non-compliance:	January, April, October, November & December 2022
Details of non-compliance:			
Standing water level measurements and/ or water quality samples were not taken at groundwater monitoring bores: <ul style="list-style-type: none"> • GWMB11 & GWMB16 – January 2022 • GWMB23 – January 2021; • GWMB21, GWMB23, KWB79 and TD8 – April 2022; • TD3 – October 2022; • GWMB01, GWMB02, GWMB13S, GWMB26 and M6 – November 2022 • GWMB15S, GWMB15D and KB-TD3 – November & December 2022 			
What was the actual (or suspected) environmental impact of the non-compliance? NOTE – please attach maps or diagrams to provide insight into the precise location of where the non-compliance took place.			
Negligible actual or suspected environmental impact. Multiple monitoring bores at the site and groundwater is well represented (see <i>TSF 1-2 monitoring bores map</i>).			
Cause (or suspected cause) of non-compliance:			
GWMB11 – Damage to headworks of the bore (bent surface casing). GWMB16 – Obstruction in the bore casing. GWMB21, GWMB23, KWB79 and TD8 – Lack of safe access following rain event. TD3 – Lack of access for operational reasons. GWMB01, GWMB02, GWMB13S, GWMB26 and M6 - Lack of safe access following rain event. GWMB15S, GWMB15D and KB-TD3 – Lack of access for operational reasons.			
Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:			
GWMB11 – Damaged repaired; standing water level measurements and water quality sampling resumed. GWMB16 – Obstruction removed; standing water level measurements and water quality sampling resumed. GWMB21, GWMB23, KWB79 and TD8 – Standing water level measurements and water quality sampling resumed once safe access was restored. GWMB01, GWMB02, GWMB13S, GWMB26 and M6 – Standing water level measurements and water quality sampling resumed once safe access was restored. GWMB15S, GWMB15D and KB-TD3 –Water quality sampling to resume once safe access is restored.			
Was this non-compliance previously reported to DWER?			
<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes reported in Quarterly Process and Groundwater Monitoring Reports.			
<input type="checkbox"/> Reported to DWER verbally		Date: / /	
<input type="checkbox"/> Reported to DWER in writing		Date: Q1- 24/02/2022, Q2- 25/05/2022, Q3- 16/08/2022 and Q4- 18/11/2022	



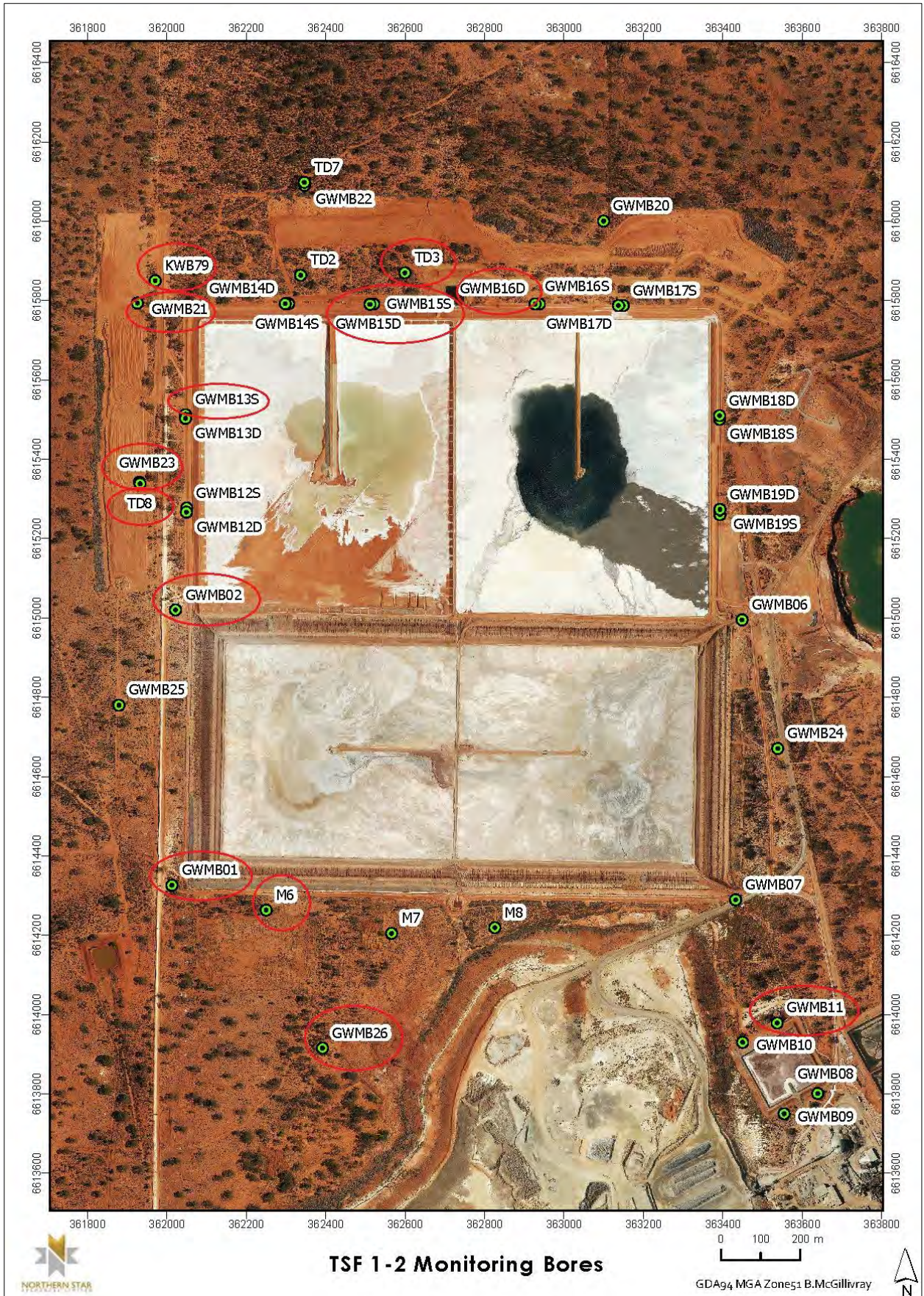
Figure 1: Goldfields EPP Protected Areas and SO₂ Monitoring Sites



Waldon In-pit TSF monitoring bores



Red Hill In-pit TSF Monitoring Bores



Section F – Declaration			
I / We declare that the information in this Annual Audit Compliance Report is true and correct and is not false or misleading in a material particular ¹ .			
I / We consent to the Annual Audit Compliance Report being published on the Department of Water and Environmental Regulation's (DWER) website.			
Signature ² :		Signature:	
Name: (printed)		Name: (printed)	
Position:	General Manager – Kalgoorlie Operations	Position:	
Date:	31/03/2023	Date:	
Seal (if signing under seal):			

¹ It is an offence under section 112 of the *Environmental Protection Act 1986* for a person to give information on this form that to their knowledge is false or misleading in a material particular.

² AACRs can only be signed by the licence holder or an authorised person with the legal authority to sign on behalf of the licence holder.