

## 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](mailto: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:	2015/002027-6
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:	01/01/2021 to 31/12/2021		

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"> <li>• section C;</li> <li>• section D (if required); and</li> <li>• sign the declaration in Section F.</li> </ul>
<input checked="" type="checkbox"/> No – please complete: <ul style="list-style-type: none"> <li>• section C;</li> <li>• section D (if required);</li> <li>• section E; and</li> <li>• sign the declaration in Section F.</li> </ul>

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	1,976,297 tonnes
6	281,291 kL
44	47,095 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.

<b>Prescribed premises category</b>	<b>Actual Part 2 waste discharge quantity</b>
5	1,976,297 tonnes
6	281,291 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:	5.1.2	Date(s) of non-compliance:	2021
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? <b>NOTE</b> – 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 2020 AACR.			
<input type="checkbox"/> Reported to DWER verbally		Date: / /	
<input checked="" type="checkbox"/> Reported to DWER in writing		Date: 27/03/2021	

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:	5.3.1	Date(s) of non-compliance:	2021
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? <b>NOTE</b> – 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 2020 AACR.			
<input type="checkbox"/> Reported to DWER verbally		Date: / /	
<input checked="" type="checkbox"/> Reported to DWER in writing		Date: 27/03/2021	

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:	5.1.3	Date(s) of non-compliance:	10 <sup>th</sup> and 17 <sup>th</sup> September 2021
Details of non-compliance:			
Two instances of data loss occurred at the Kambalda sulphur dioxide monitoring station in September 2021 due to equipment failure. 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 Condition no: 5.1.3.			
What was the actual (or suspected) environmental impact of the non-compliance?			
<b>NOTE</b> – 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 actual or suspected environmental impact resulting from the non-compliance as the prevailing wind direction was from the southwest (away from Kambalda) on both the 10 <sup>th</sup> and 17 <sup>th</sup> of September 2021.			
See Figure 1.			
Cause (or suspected cause) of non-compliance:			
Pump internal bearing failure at the Kambalda monitoring station on the 10th of September.			
Analyser internal power supply failure at the Kambalda monitoring station on the 17th of September.			
Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:			
Both faulty units were replaced as soon as practicable and continuous monitoring resumed.			
Was this non-compliance previously reported to DWER?			
<input checked="" type="checkbox"/> Yes, reported in KAMN Sulphur Dioxide Monitoring Report – September 2021.			
<input type="checkbox"/> Reported to DWER verbally		Date: / /	
<input checked="" type="checkbox"/> Reported to DWER in writing		Date: 14/10/2021	

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:	3.4.1	Date(s) of non-compliance:	2021
Details of non-compliance:			
Red Hill In-pit TSF & Waldon In-pit TSF tailings surface elevation survey measurements not taken during the 2021 calendar year.			
What was the actual (or suspected) environmental impact of the non-compliance? <b>NOTE</b> – please attach maps or diagrams to provide insight into the precise location of where the non-compliance took place.			
There was no actual or suspected environmental impact resulting from the non-compliance.  Both In-pit TSFs were not operational in 2021 (Tailings discharge ceased to Waldon in September 2019 and to Red Hill in January 2017).  (See <i>Waldon In-pit TSF monitoring bores map</i> and <i>Red Hill In-pit TSF Monitoring Bores map</i> for locations).			
Cause (or suspected cause) of non-compliance:			
Administrative/ communication error. Supernatant pond elevations were taken in December 2021, as per Condition 3.4.1; However, the requirement to measure the tailings surface elevations was not adequately communicated. The error was identified in January 2022.			
Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:			
Tailings surface elevation survey measurements taken in Jan 2022.			
Was this non-compliance previously reported to DWER?			
<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes			
<input type="checkbox"/> Reported to DWER verbally		Date: / /	
<input type="checkbox"/> Reported to DWER in writing		Date: / /	

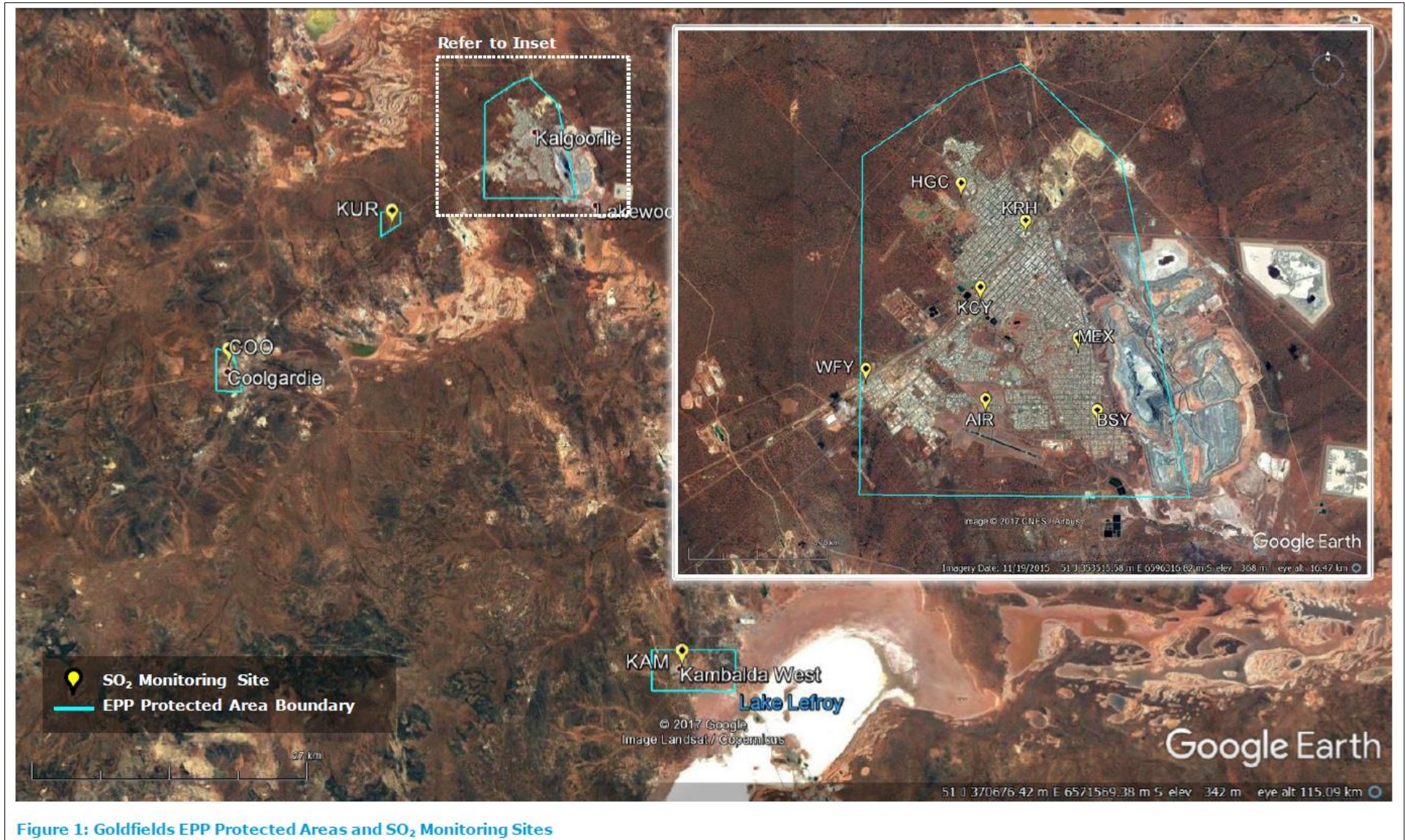
Section E – Details of non-compliance with licence condition			
Please use a separate page for each condition with which the licence holder was non-compliant at a time during the reporting period.			
Condition no:	3.5.1	Date(s) of non-compliance:	WBH3D – 2021 WBH3S – April 2021 WBH2S – Jan 2021
Details of non-compliance:			
Standing water level measurements and water quality samples were not taken at groundwater monitoring bores: WBH3D - all of 2021, WBH3S - April 2021 and WBH2S - Jan 2021.			
What was the actual (or suspected) environmental impact of the non-compliance?			
<b>NOTE</b> – 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"> <li>• WBH3D due to a suspected collapse/blockage in the bore;</li> <li>• WBH3S due to blockage in the bore; and</li> <li>• WBH2S due to a lack of safe access following a heavy rain event.</li> </ul>			
Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:			
<ul style="list-style-type: none"> <li>• WBH3D - NSR will seek to amend this Licence condition with a view to removing the monitoring requirements.</li> <li>• WBH3S – Blockage cleared; standing water level measurements and water quality sampling resumed.</li> <li>• WBH2S – Standing water level measurements and water quality sampling resumed once access was restored.</li> </ul>			
Was this non-compliance previously reported to DWER?			
<input checked="" type="checkbox"/> Yes, reported in Quarterly Process and Groundwater Monitoring Reports and the 2020 AACR.			
<input type="checkbox"/> Reported to DWER verbally		Date: / /	
<input checked="" type="checkbox"/> Reported to DWER in writing		Date: Q1 Report: 23/02/2021, Q2 Report: 26/05/2021 and 2020 AACR - 31/03/21	

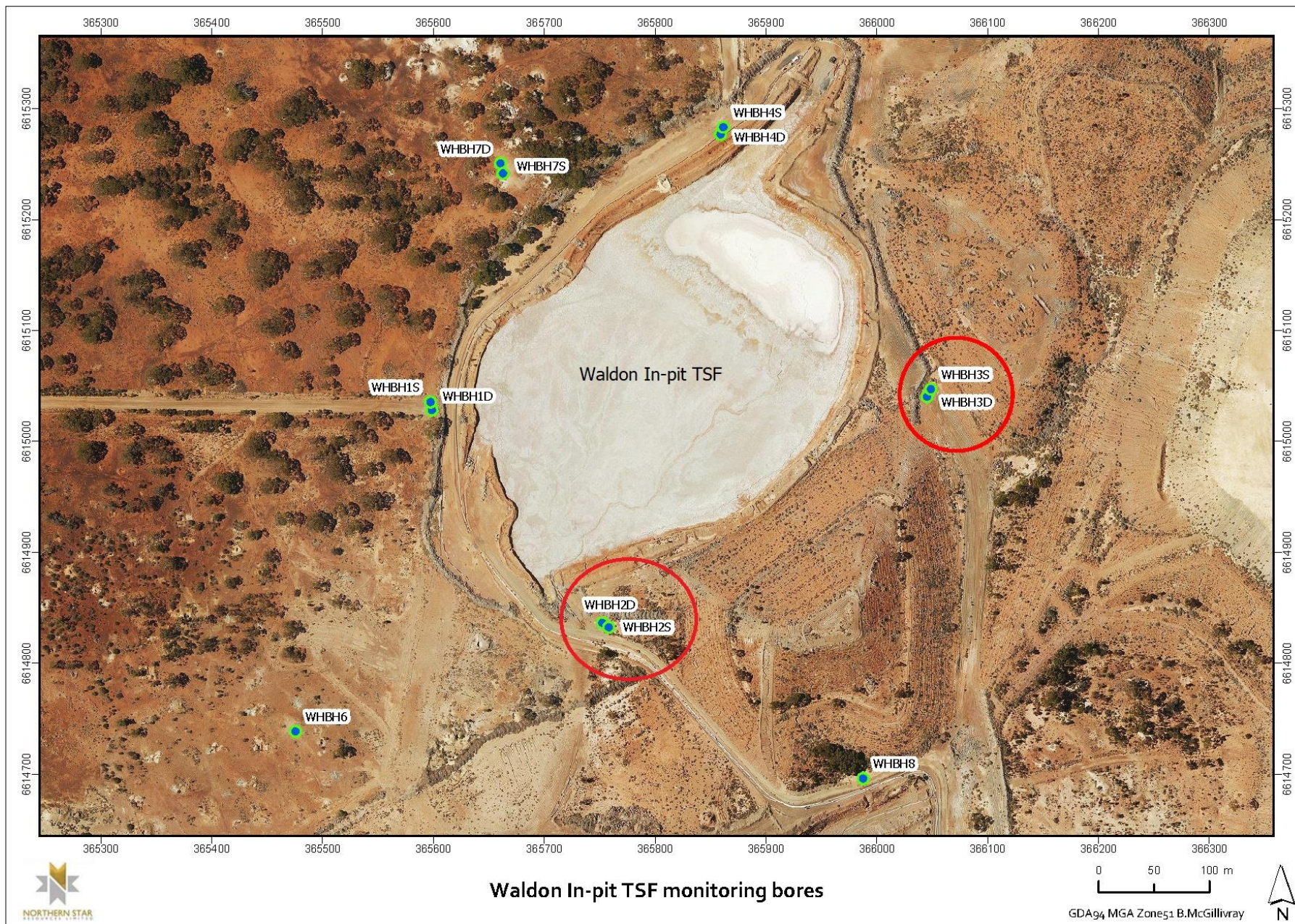
Section E – Details of non-compliance with licence condition			
Please use a separate page for each condition with which the licence holder was non-compliant at a time during the reporting period.			
Condition no:	3.5.1	Date(s) of non-compliance:	April 2021
Details of non-compliance:			
Biannual water quality samples were not taken at groundwater monitoring bore CONBH2. Standing water level at CONCH2 was not undertaken in April 2021.			
What was the actual (or suspected) environmental impact of the non-compliance? <b>NOTE</b> – 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>BLC-Consols monitoring bores</i> map).			
Cause (or suspected cause) of non-compliance:			
Blockages in both bores.			
Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:			
Bores unblocked; standing water level measurements and water quality sampling resumed.			
Was this non-compliance previously reported to DWER?			
<input checked="" type="checkbox"/> Yes, reported in Quarterly Process and Groundwater Monitoring Reports.			
<input type="checkbox"/> Reported to DWER verbally		Date: / /	
<input checked="" type="checkbox"/> Reported to DWER in writing		Date: Q2 Report: 26/05/2021	

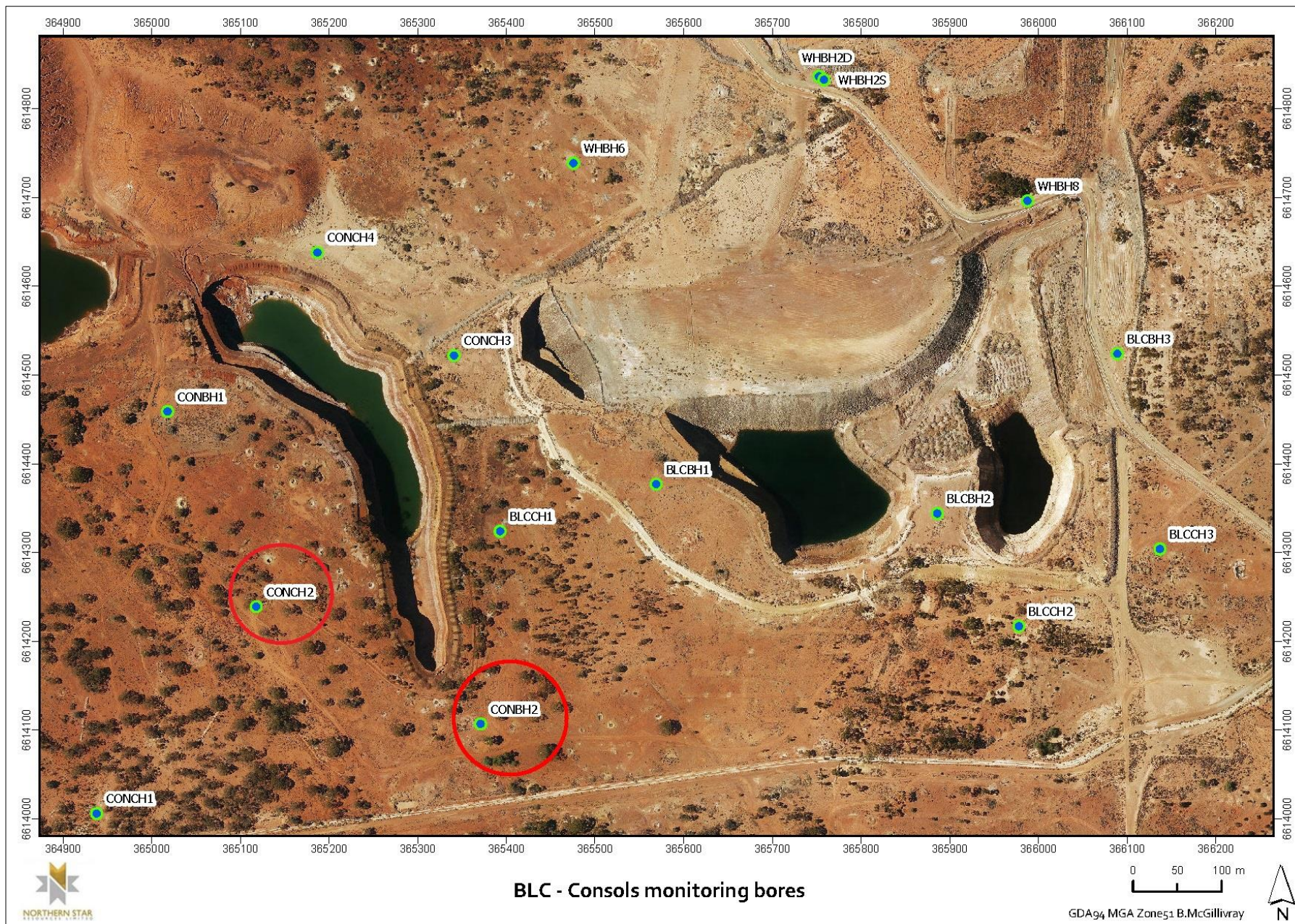


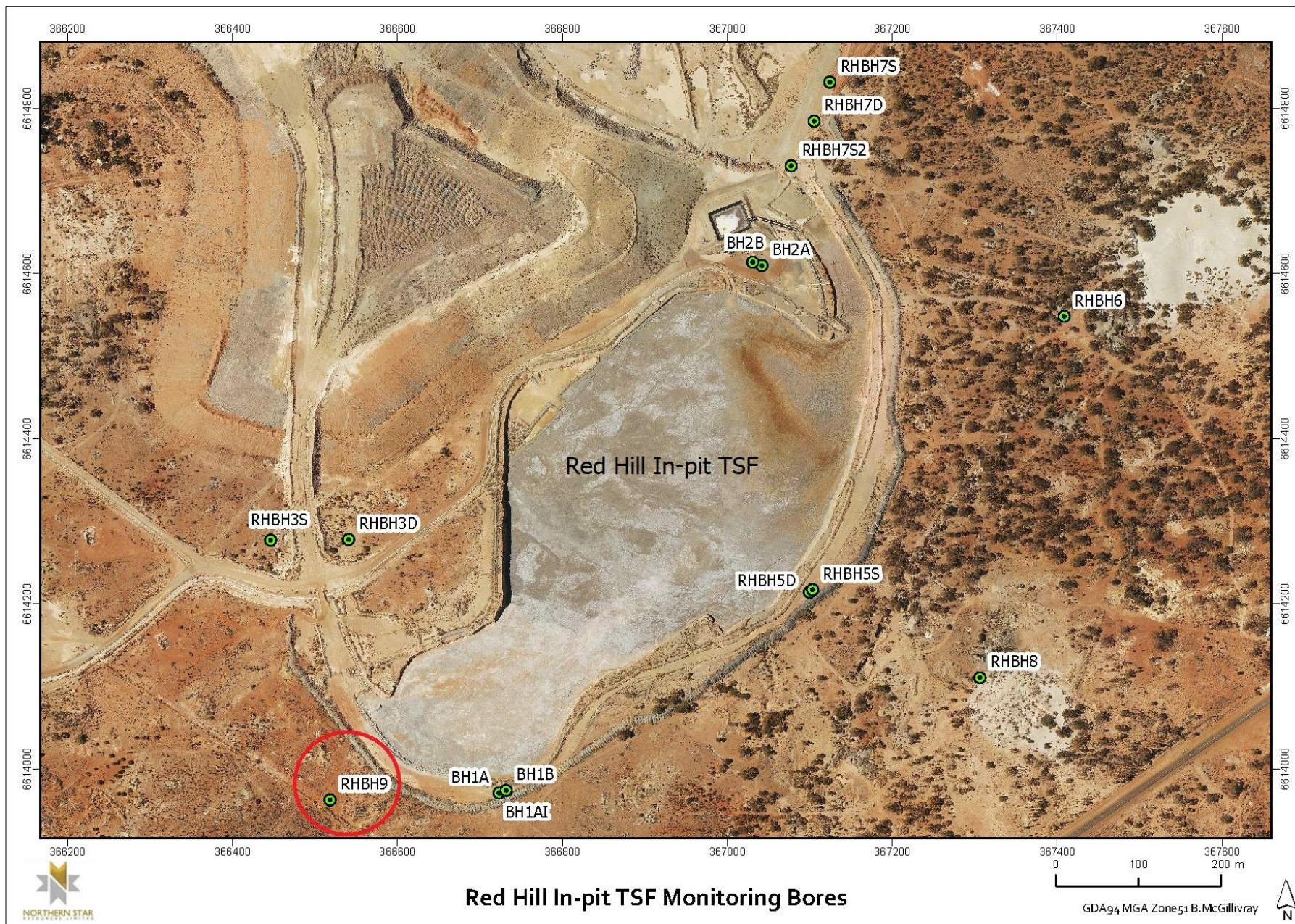
Section E – Details of non-compliance with licence condition			
Please use a separate page for each condition with which the licence holder was non-compliant at a time during the reporting period.			
Condition no:	3.5.1	Date(s) of non-compliance:	October 2021
Details of non-compliance:			
Standing water 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? <b>NOTE</b> – 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 resumed once access restored.			
Was this non-compliance previously reported to DWER?			
<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes reported in Quarter 4 2021 Process and Groundwater Monitoring Report.			
<input type="checkbox"/> Reported to DWER verbally		Date: / /	
<input type="checkbox"/> Reported to DWER in writing		Date: Q4 Report: 23/11/2021	

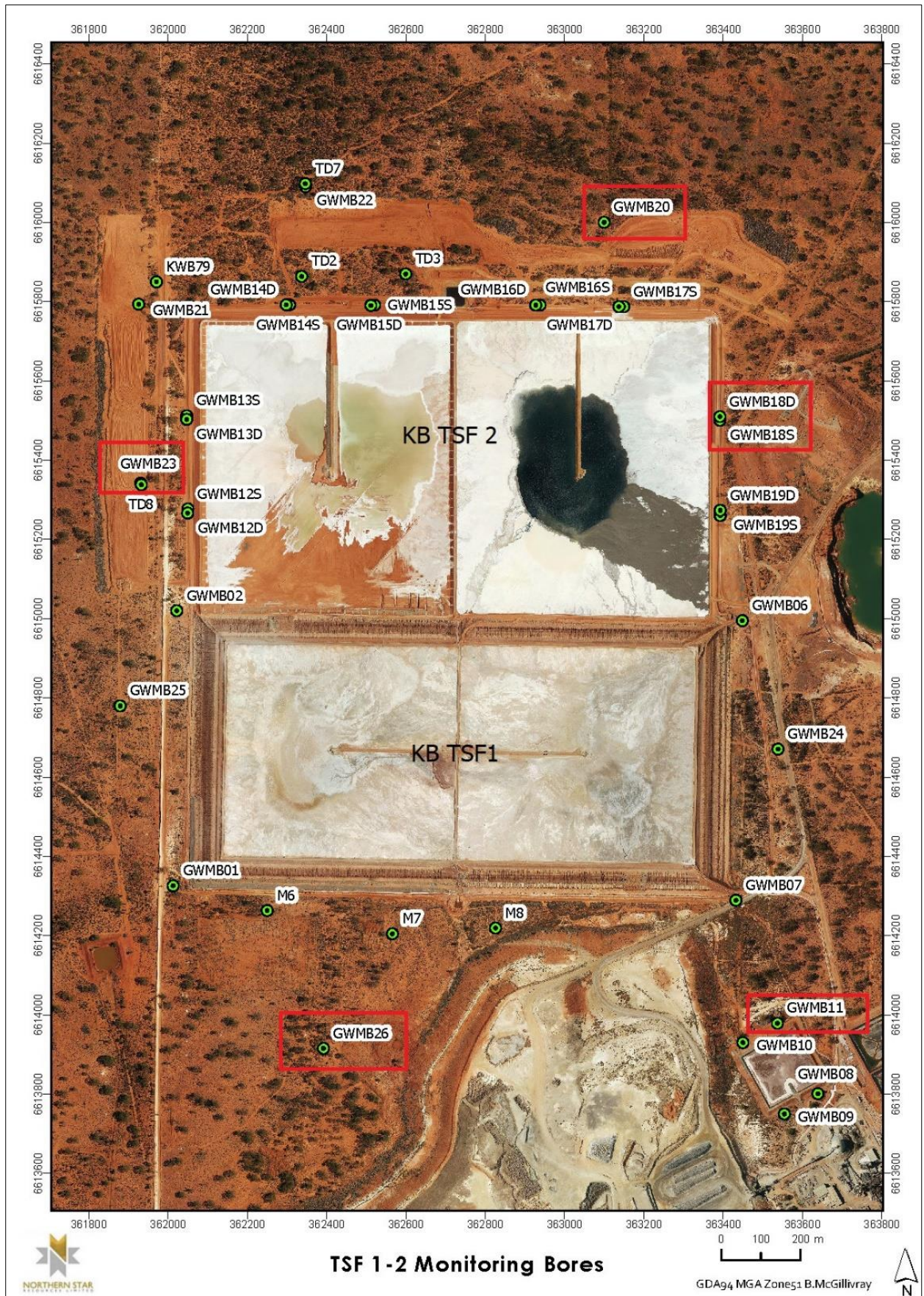
Section E – Details of non-compliance with licence condition			
Please use a separate page for each condition with which the licence holder was non-compliant at a time during the reporting period.			
Condition no:	3.5.1	Date(s) of non-compliance:	January, February, and July 2021
Details of non-compliance:			
<p>Standing water level measurements and water quality samples were not taken at groundwater monitoring bores:</p> <ul style="list-style-type: none"> <li>• GWMB11 – January and July 2021;</li> <li>• GWMB23 – January 2021;</li> <li>• GWMB18S &amp; D, GWMB20, KB-KWB79 – February 2021; and</li> <li>• GWMB26 – July 2021.</li> </ul>			
<p>What was the actual (or suspected) environmental impact of the non-compliance?</p> <p><b>NOTE</b> – please attach maps or diagrams to provide insight into the precise location of where the non-compliance took place.</p>			
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:			
<p>GWMB11 – Damage to headworks of the bore (bent surface casing).</p> <p>Remaining bores: Lack of safe access following heavy rainfall events.</p>			
Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:			
<p>GWMB11 – Damaged rectified; standing water level measurements and water quality sampling resumed.</p> <p>Remaining bores: Standing water level measurements and water quality sampling resumed once safe access was restored.</p>			
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 Report: 23/02/2021 and Q3 Report: 19/08/2021	











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 <sup>1</sup> .			
I / We consent to the Annual Audit Compliance Report being published on the Department of Water and Environmental Regulation's (DWER) website.			
Signature <sup>2</sup> :		Signature:	
Name: (printed)		Name: (printed)	
Position:		Position:	
Date:		Date:	
Date:	24/03/2022	Date:	
Seal (if signing under seal):			

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<sup>1</sup> 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.

<sup>2</sup> 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.