

# s 22(1)(a)(ii)

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**From:** s 22(1)(a)(ii)  
**Sent:** Tuesday, 22 March 2016 9:27 AM  
**To:** s 22(1)(a)(ii) @ga.gov.au>  
**Cc:** s 22(1)(a)(ii) @nopta.gov.au>  
**Subject:** RE: Corallina-2 ST2/ST3 - NOPTA missing data request [DLM=For-Official-Use-Only]

## For Official Use Only

Hi <sup>s 22(1)(a)(ii)</sup>

Yep, I'd agree.

Think <sup>s 22(1)(a)(ii)</sup> justification is pretty sound and there is enough information there to feed back to clients should it be queried again.

Kind regards

s 22(1)(a)(ii)

Assistant Manager  
Data Management Team

National Offshore Petroleum Titles Administrator  
Level 8, 58 Mounts Bay Road  
Perth Western Australia 6000 GPO Box 7871,  
Phone: s 22(1)(a)(ii)  
<http://www.nopta.gov.au> <<http://www.nopta.gov.au>>

**From:** s 22(1)(a)(ii) @ga.gov.au]  
**Sent:** Tuesday, 22 March 2016 9:07 AM  
**To:** s 22(1)(a)(ii) @nopta.gov.au>  
**Cc:** @nopta.gov.au>; s 22(1)(a)(ii) @ga.gov.au>; s 22(1)(a)(ii) @ga.gov.au>; s 22(1)(a)(ii) @ga.gov.au>; s 22(1)(a)(ii) @ga.gov.au>; s 22(1)(a)(ii) @ga.gov.au>  
**Subject:** RE: Corallina-2 ST2/ST3 - NOPTA missing data request [DLM=For-Official-Use-Only]

Hi s 22(1)(a)(ii)

Thanks for the email. s 22(1)(a)(ii) has explained the LWD/LAS problems thoroughly. If s 22(1)(a)(ii) doesn't have the LAS files and also can't change their naming then this should be added as a file note to the submission. s 22(1)(a)(ii)

Given the well is 2009, so well before the inception of NOPTA, I think this one can be put to bed now if you agree?

Regards,

s 22(1)(a)(ii)

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**From:** s 22(1)(a)(ii) @nopta.gov.au]  
**Sent:** Tuesday, 22 March 2016 11:47 AM  
**To:** s 22(1)(a)(ii)  
**Cc:** s 22(1)(a)(ii)  
**Subject:** RE: Corallina-2 ST2/ST3 - NOPTA missing data request [DLM=For-Official-Use-Only]

### For Official Use Only

Hi s 22(1)(a)(ii)

Could you please have a look at the response from Woodside regarding the missing logs data from Corallina 2 ST2, ST3.

Let me know if you are satisfied with Lee's explanation, so we can either put this one to bed or follow up again.

Guessing the below explanation would need to be added as a file note to the submission.

Cheers.

**Kind regards**  
s 22(1)(a)(ii)

**Assistant Manager**  
**Data Management Team**

**National Offshore Petroleum Titles Administrator**  
Level 8, 58 Mounts Bay Road  
Perth Western Australia 6000 GPO Box 7871,  
Phone: s 22(1)(a)(ii)  
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s 22(1)(a)(ii)

# s 22(1)(a)(ii)

DISR - for release under the FOI

EX 7321

# s 22(1)(a)(ii)

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**From:** s 22(1)(a)(ii) [\[redacted\]@ga.gov.au](mailto:[redacted]@ga.gov.au)  
**Sent:** Friday, 18 March 2016 12:39 PM  
**To:** s 22(1)(a)(ii) [\[redacted\]@nopta.gov.au](mailto:[redacted]@nopta.gov.au)  
**Cc:** s 22(1)(a)(ii) [\[redacted\]@ga.gov.au](mailto:[redacted]@ga.gov.au); s 22(1)(a)(ii) [\[redacted\]@ga.gov.au](mailto:[redacted]@ga.gov.au); s 22(1)(a)(ii) [\[redacted\]@ga.gov.au](mailto:[redacted]@ga.gov.au); s 22(1)(a)(ii) [\[redacted\]@ga.gov.au](mailto:[redacted]@ga.gov.au); s 22(1)(a)(ii) [\[redacted\]@ga.gov.au](mailto:[redacted]@ga.gov.au); s 22(1)(a)(ii) [\[redacted\]@ga.gov.au](mailto:[redacted]@ga.gov.au); s 22(1)(a)(ii) [\[redacted\]@ga.gov.au](mailto:[redacted]@ga.gov.au)

s 22(1)(a)(ii)@ga.gov.au>; s 22(1)(a)(ii) @nopta.gov.au>

**Subject:** RE: Corallina-2 ST2/ST3 - NOPTA missing data request [DLM=For-Official-Use-Only]

Hi All,




























I can confirm that we have received some data and logs. However, we are missing the following LWD LAS files:

Corallina-2 ST2: Run 2 (861 MDRT to 949 MDRT)

Run 3 (861 MDRT to 949 MDRT)

Corallina-2 ST3: Run 9 LAS is actually Run 10 LAS. Run 10 LAS is Run 11 LAS.

They have also done some strange things with the DLIS:

 corallina-2st3_visionseam-up_run10.las	2/09/2009 9:37 AM	notepad
 corallina-2st3_visionseam-up_run9.las	2/09/2009 9:36 AM	notepad
 corallina-2st3_visionseam-up_run8.las	2/09/2009 9:35 AM	notepad
 corallina-2st3_drilling-mechanics_run10.las	26/06/2009 2:32 PM	notepad
 corallina-2st3_drilling-mechanics_run9.las	26/06/2009 2:31 PM	notepad
 corallina-2st3_drilling-mechanics_run8.las	26/06/2009 2:28 PM	notepad
 corallina-2st3_drilling-mechanics_run7.las	26/06/2009 10:50 ...	notepad
 corallina-2st3_drilling-mechanics_run6.las	26/06/2009 10:45 ...	notepad
 corallina-2st3_drilling-mechanics_run5.las	26/06/2009 10:40 ...	notepad
 corallina-2st3_drilling-mechanics_run4.las	26/06/2009 11:08 ...	notepad
 corallina-2st3_drilling-mechanics_run3.las	26/06/2009 10:29 ...	notepad
 corallina-2st3_drilling-mechanics_run2.las	26/06/2009 10:20 ...	notepad
 corallina-2st3_drilling-mechanics_run1.las	26/06/2009 11:08 ...	notepad
 corallina-2st3_visionseam-up_run10.dlis	26/06/2009 11:50 ...	DLIS File
 corallina-2st3_visionseam-up_run9.dlis	26/06/2009 11:49 ...	DLIS File
 corallina-2st3_visionseam-up_run7.dlis	26/06/2009 11:47 ...	DLIS File
 corallina-2st3_visionseam-up_run6.dlis	26/06/2009 11:45 ...	DLIS File
 corallina-2st3_visionseam-up_run5.dlis	26/06/2009 11:44 ...	DLIS File
 corallina-2st3_visionseam-up_run3.dlis	26/06/2009 11:43 ...	DLIS File
 corallina-2st3_visionseam-up_run2.dlis	26/06/2009 11:41 ...	DLIS File
 corallina-2st3_visionseam-up.dlis	26/06/2009 11:38 ...	DLIS File
 Corallina-2 ST3_VISIONService_500TVD_rev Aug-09.Pdf	2/09/2009 5:21 PM	Adobe A
 Corallina-2 ST3_VISIONService_500MD_rev Aug-09.Pdf	2/09/2009 5:19 PM	Adobe A
 Corallina-2 ST3_VISIONService_200TVD_rev Aug-09.Pdf	2/09/2009 5:16 PM	Adobe A
 Corallina-2 ST3_VISIONService_200MD_rev Aug-09.Pdf	2/09/2009 5:11 PM	Adobe A
 Corallina-2 ST3_VDN Image_200MD_rev Aug-09.Pdf	1/09/2009 8:12 PM	Adobe A
 Corallina-2 ST3_Drilling Mechanics_rev Aug-09.pdf	1/09/2009 8:22 PM	Adobe A

Where is Corallina-2ST3 Vision service Run 1, 8, & 11? Not that DLIS matter too much. Most Petrophysicists just want the LAS for their Geolog/Techlog.

Please see D2016-17968 to view the spreadsheet that lists the LWD runs for further clarification.

Cheers,

.. s 22(1)(a)(ii)

**From:** s 22(1)(a)(ii) @nopta.gov.au]  
**Sent:** Friday, 12 February 2016 4:36 PM  
**To:** s 22(1)(a)(ii)  
**Cc:** s 22(1)(a)(ii) )  
**Subject:** FW: Corallina-2 ST2/ST3 - NOPTA missing data request [DLM=For-Official-Use-Only]

### For Official Use Only

Hi s 22(1)(a)(ii),

s 22(1)(a)(ii) have actioned this request for data.

Can you please see s 22(1)(a)(ii) email below and confirm if GA have the MWD/LWD Dlis and Las files for Corallina-2ST2?

s 22(1)(a)(ii) has copied data for Corallina-2ST3 onto CD and want to make sure everything is submitted, if required and to avoid further requests/submissions.

Cheers.

Kind regards

s 22(1)(a)(ii)

Assistant Manager  
Data Management Team

National Offshore Petroleum Titles Administrator

Level 8, 58 Mounts Bay Road

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s 22(1)(a)(ii)

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**From:** s 22(1)(a)(ii) @ga.gov.au]  
**Sent:** Thursday, 11 February 2016 2:06 PM  
**To:** s 22(1)(a)(ii) @nopta.gov.au>  
**Cc:** s 22(1)(a)(ii) @ga.gov.au>; s 22(1)(a)(ii) @ga.gov.au>; s 22(1)(a)(ii) s 22(1)(a)(ii) @ga.gov.au>  
**Subject:** Corallina-2 ST2/ST3 Non-Compliant [SEC=UNCLASSIFIED]

Hi All,

The above well is not compliant as all of the MWD/LWD LAS and DLIS files from the below runs have not been submitted to us.

Table 3: LWD Runs

Hole Section	Run No.	Service	Depth Interval Main Log		Max Temp (DegC)	Start date	End date
			From (mRT)	To (mRT)			
<u>Corallina-2 ST2</u>							
311mm 1		Powerpulse (D&I ) arcVISION (GR, RES)	861	2580	49	13 May 09	17 May 09
311mm 2		arcVISION (GR, RES ) Telescope (D&I)	861	949	29	17 May 09	17 May 09
311mm 3		arcVISION (GR, RES ) Telescope (D&I)	861	949	26.4	18 May 09	18 May 09
<u>Corallina-2 ST3</u>							
311mm	1	Telescope (D&I)	762	1143	32	20 May 09	20 May 09
311mm 2		arcVISION (GR, RES ) Telescope (D&I)	1143	2623	47	20 May 09	24 May 09
311mm 3		arcVISION (GR, RES ) Telescope (D&I)	2623	2380	49	24 May 09	26 May 09
311mm 4		Telescope (D&I)	762	2830	-	29 May 09	30 May 09
216 mm	5	arcVISION (GR, RES )* Telescope (D&I)	2830	3445	79	02 Jun 09	06 Jun 09
216 mm	6	arcVISION (GR, RES ) Telescope (D&I)	3445	3558	80	06 Jun 09	09 Jun 09
216 mm	7	arcVISION (GR, RES ) Telescope (D&I)	3558	3600	80	09 Jun 09	10 Jun 09
152 mm	8	Impulse(D&I GR, RES) ADN	3600	3600	-	12 Jun 09	14 Jun 09
152 mm	9	-^	3558	3602	-	14 Jun 09	15 Jun 09
152 mm	10	Impulse(D&I GR, RES) ADN	3602	4195	104	15 Jun 09	17 Jun 09
152 mm	11	Impulse(D&I GR, RES) ADN	4195	4452	112	17 Jun 09	19 Jun 09

\* Resistivity failure

^ No MWD / LWD tools. Objective simply to drill out of cement.

Full details of the LWD operations are contained in [s 22\(1\)\(a\)\(ii\)](#) End of Well Report ([Appendix 8](#)).

#### 4.5 Wireline Logging

No wireline logs were run in Corallina-2 ST2/ST3 for formation evaluation purposes.

Regards,

[s 22\(1\)\(a\)\(ii\)](#)

Geoscientist | Resources Division  
GEOSCIENCE AUSTRALIA

Phone: [s 22\(1\)\(a\)\(ii\)](#) Fax: [s 22\(1\)\(a\)\(ii\)](#)  
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Cnr Jerrabomberra Avenue and Hindmarsh Drive Symonston ACT



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s 22(1)(a)(ii)

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**From:** s 22(1)(a)(ii) [@ga.gov.au](mailto:s 22(1)(a)(ii)@ga.gov.au)>  
**Sent:** Friday, June 2, 2017 11:33 AM  
**To:** s 22(1)(a)(ii) [@nopta.gov.au](mailto:s 22(1)(a)(ii)@nopta.gov.au)>; s 22(1)(a)(ii) [@nopta.gov.au](mailto:s 22(1)(a)(ii)@nopta.gov.au)>  
**Cc:** s 22(1)(a)(ii) [@nopta.gov.au](mailto:s 22(1)(a)(ii)@nopta.gov.au)>; s 22(1)(a)(ii) [@nopta.gov.au](mailto:s 22(1)(a)(ii)@nopta.gov.au)>; s 22(1)(a)(ii) [@ga.gov.au](mailto:s 22(1)(a)(ii)@ga.gov.au)>  
**Subject:** RE: 2015 Production and Resources data [DLM=For-Official-Use-Only]

Hi s 22(1)(a)(ii),

Please see the attached file for the comparison results of the 2015 NOPTA field and 2014 GA field information. A few notes have been made in the file:

1. **New** – New to GA’s dataset, possibly new discoveries which are not recorded in GA’s accumulation dataset, e.g. s 22(1)(a)(ii)
2. **No booking** – Non-commercial hydrocarbon discoveries, which have records in GA’s database; but no resource data have been reported, e.g. s 22(1)(a)(ii)
3. **Pool** – The accumulation in NOPTA dataset; but has been treated as a pool and is associated with another accumulation in GA dataset, e.g. s 22(1)(a)(ii)
4. **Dry well** – The well, which intends to explore the field, has been defined as a Dry well in GA dataset. So, the accumulation is not created.
5. There are also a few errors on location, e.g. Laminaria (AC/L5) should be in the Territory of Ashmore and Cartier Islands Adjacent Area (Laminaria East is within WA-18-L in Western Australia.). s 22(1)(a)(ii)

In general, I still can’t tell the reason/s, which cause the significant discrepancies in the production data of NOPTA 2015 and 2014 GA data.

- Issues 1, 2 and 4 may affect the contingent resource figures; but will not affect the production data.
- Issue 3 will not affect the sum of the resource statistics for individual basins and jurisdiction areas.
- Issue 5 can impact on the production data at the basin and jurisdiction level. Laminaria is the only producing field in this category. This may explain the discrepancies of oil and gas cumulative productions in WA and the Territory of Ashmore and Cartier Islands Adjacent Area in the Bonaparte Basin; but for the data differences in other areas, there are no obvious reasons to explain. s 22(1)(a)(ii)  
will change slightly (less than 1 Tcf of gas and small amount of liquids) contingent resource figures in the s 22(1)(a)(ii), Bonaparte and s 22(1)(a)(ii) basins.

In order to figure out the reasons for the discrepancies between two datasets, the data may need to be checked at the field level. Without reports on hand, I cannot go any further. Really like to hear your findings/views on this.

Regards

s 22(1)(a)(ii)

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**From:** s 22(1)(a)(ii) [mailto:s 22(1)(a)(ii)@nopta.gov.au]  
**Sent:** Wednesday, 24 May 2017 3:47 PM  
**To:** s 22(1)(a)(ii)  
**Cc:** s 22(1)(a)(ii)  
**Subject:** RE: 2015 Production and Resources data [DLM=For-Official-Use-Only]

### For Official Use Only

Hi s 22(1)(a)(ii),

Please find attached the list of field names as discussed previously to assist comparison. I think a video conference would be a good idea to discuss specific details.

Regards,

Peter

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**From:** s 22(1)(a)(ii) [mailto:s 22(1)(a)(ii)@ga.gov.au]  
**Sent:** Tuesday, 23 May 2017 3:27 PM

To: s 22(1)(a)(ii) @nopta.gov.au>; s 22(1)(a)(ii) @nopta.gov.au>  
 Cc: s 22(1)(a)(ii) @nopta.gov.au>; s 22(1)(a)(ii) @nopta.gov.au>; s 22(1)(a)(ii) @nopta.gov.au>; s 22(1)(a)(ii) @ga.gov.au>  
 s 22(1)(a)(ii) @nopta.gov.au>; s 22(1)(a)(ii) @ga.gov.au>  
**Subject:** RE: 2015 Production and Resources data [DLM=For-Official-Use-Only]

Hi s 22(1)(a)(ii)

Yes, very nice to discuss with you on the contingent resources part of the data. Thank you very much for your quick response.

It's a good idea to discuss these issues through a video conference. If necessary, I can book a video conference sometime early next week to further discuss these issues with you and s 22(1)(a)(ii)

Cheers

s 22(1)(a)(ii)

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**From:** s 22(1)(a)(ii) @nopta.gov.au]  
**Sent:** Tuesday, 23 May 2017 12:44 PM  
**To:** s 22(1)(a)(ii)  
**Cc:** s 22(1)(a)(ii)  
**Subject:** RE: 2015 Production and Resources data [DLM=For-Official-Use-Only]

### For Official Use Only

Hi

Thanks for the email and good to speak with you on the phone. I will speak with s 22(1)(a)(ii) tomorrow— s 22(1)(a)(ii)

We should be able to provide you with a field list tomorrow. I will also start going through the contingent resource differences you identified and get back to you. If you wish to video link or visit soon to compare 2014/2015 data sets we are happy to participate.

Regards

s 22(1)(a)(ii)

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**From:** s 22(1)(a)(ii) @ga.gov.au]  
**Sent:** Tuesday, 23 May 2017 9:34 AM  
**To:** s 22(1)(a)(ii) @nopta.gov.au>; s 22(1)(a)(ii) @nopta.gov.au>  
**Cc:** s 22(1)(a)(ii) @nopta.gov.au>; s 22(1)(a)(ii) @nopta.gov.au>; s 22(1)(a)(ii) @nopta.gov.au>; s 22(1)(a)(ii) @ga.gov.au>  
**Subject:** RE: 2015 Production and Resources data [DLM=For-Official-Use-Only]

Hi s 22(1)(a)(ii),

The attached file lists your 2015 petroleum resource data in RED, with the 2014 data I compiled for comparison.

Some significant discrepancies are found within these two datasets (the cells marked in Yellow), which mostly exist within the production data. In the file, I have made some comments on the possible reasons with the discrepancies. Without ATAR reports and monthly production data, I cannot make further assessments on the possible reasons which cause these discrepancies.

Can you please check the file and help me to solve the issues? Your help is really appreciated.

It will also be a big help if you can provide with me the NAME of the fields which you have used to compile the data for each area.

Cheers

s 22(1)(a)(ii)

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**From:** s 22(1)(a)(ii) @nopta.gov.au]  
**Sent:** Thursday, 11 May 2017 2:10 PM  
**To:** s 22(1)(a)(ii)  
**Cc:** s 47(1)  
**Subject:** RE: 2015 Production and Resources data [DLM=For-Official-Use-Only]

### For Official Use Only

Hi s 22(1)(a)(ii)

Thanks for your email and your outline of the plan to make the data not identifiable.

Good luck with the National Datasets compilation.

Regards,

s 22(1)(a)(ii)

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**From:** s 22(1)(a)(ii) @ga.gov.au]  
**Sent:** Tuesday, 9 May 2017 10:06 AM  
**To:** s 22(1)(a)(ii) @nopta.gov.au>  
**Cc:** s 22(1)(a)(ii) @nopta.gov.au>; s 22(1)(a)(ii) @nopta.gov.au>; s 22(1)(a)(ii) s 22(1)(a)(ii)r@nopta.gov.au>; John Miranda <John.Miranda@nopta.gov.au>; Budd Anthony <Anthony.Budd@ga.gov.au>  
**Subject:** RE: 2015 Production and Resources data [DLM=For-Official-Use-Only]

Hi s 22(1)(a)(ii)

Very glad to receive the 2015 petroleum resource statistics for the fields in Commonwealth jurisdiction. I can start to compile the 2015 National datasets now. I will definitely contact you for advice if I have any issues in the course of the data compilation.

We will take all measures to make sure that the resources data from NOPTA will not be identifiable for individual fields and operators in our publications. s 22(1)(a)(ii) and s 22(1)(a)(ii) will consult you with regarding the measures to ensure this principle to be enforced efficiently and effectively.

Regards

s 22(1)(a)(ii)

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**From:** s 22(1)(a)(ii) @nopta.gov.au]  
**Sent:** Friday, 5 May 2017 4:40 PM  
**To:** s 22(1)(a)(ii)  
**Cc:** s 22(1)(a)(ii)  
**Subject:** 2015 Production and Resources data [DLM=For-Official-Use-Only]

**For Official Use Only**

Hi <sup>s 22(1)(a)(ii)</sup>

**s 22(1)(a)(ii)**

Please find attached the 2015 Resources and Production data for the Commonwealth Offshore Jurisdiction.

**s 22(1)(a)(ii)**

As this aggregated data is based upon confidential company submissions NOPTA requires that it is deidentified to the public and companies/operators within the jurisdiction prior to publication unless companies have given permission for publication. As discussed at our last meeting GA will provide NOPTA with a draft of any document using the resource and production data prior to publication for NOPTA's approval.

Other issues for GA to consider are given below.

**s 22(1)(a)(ii)**

As discussed with you at the last meeting, NOPTA considers that basin reserves and contingent resources should be aggregated into one recoverable resource value per basin for publication to prevent identification of reserves – particularly in the Browse Basin. Publication of total Commonwealth Jurisdiction reserves and contingent resources would be acceptably de-identified information.

**s 22(1)(a)(ii)**

Can you please confirm that data from the Roebuck and Perth Basins will also be deidentified by aggregation with onshore data.

NOPTA is also concerned about identification of Bonaparte Basin gas and oil production from the Commonwealth jurisdiction. Can you please confirm that publication of the 2015 production data for the Bonaparte Basin (including the JPDA) will de-identify the data to operators in the Commonwealth Jurisdiction.

Regards

<sup>s 22(1)(a)(ii)</sup>

**s 22(1)(a)(ii)**

Senior Geoscientist  
Geoscience and Engineering Team  
NOPTA  
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Melbourne  
Vic 3001

Ph: s 22(1)(a)(ii)

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NOPTA data			Note	PTAG data			Note
Field	Basin	Title		Field	State	Basin	
				Reserves by State and Basin by field May 2017			
							Associated pool

s 22(1)(a)(ii)

Field	Basin	Title	State	Field	Basin

s 22(1)(a)(ii)

Corallina	Bonaparte	AC/L5		Territory of Ash	Challis	Bonaparte
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s 22(1)(a)(ii)

Laminaria	Bonaparte	WA-18-L	AC/L5	Western Austral	Tern	Bonaparte
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s 22(1)(a)(ii)



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# s 22(1)(a)(ii)



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**LETTER OF TRANSMITTAL**

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 : Symonston, ACT, 2609

**ATTN** : s 22(1)(a)(ii)  
**FROM** : s 22(1)(a)(ii)

**DATE** : 17/04/2019

**GO REFERENCE No.**

s 22(1)(a)(ii)

**SENT VIA:** CTI Express

**Contents:** Rock Cuttings  
**Well:** Alaria-1 & Corallina-3 ST1  
**Operator:** NORTHERN OIL & GAS AUSTRALIA  
**Contact:** s 22(1)(a)(ii)  
**Sample Type:** Washed & Dried  
**Interval:** Alaria-1 (885-3605m) Corallina-3 ST1 (3375-3880m)  
**No of boxes:** Alaria (15) Corallina (4)

**Sent by Corelab on Behalf of: NORTHERN OIL & GAS AUSTRALIA**

**Contact:** s 22(1)(a)(ii), **Tel:** s 22(1)(a)(ii) **email:** s 22(1)(a)(ii)

s 22(1)(a)(ii)

**RECEIVED BY:** \_\_\_\_\_

**DATE:** May 2019

Please acknowledge receipt by signing and return by fax (61 8) 9353 8899 or mail to the above address. For legal and insurance purposes the item(s) accompanying this Letter of Transmittal are considered to be in **good condition** on receipt unless otherwise indicated.