
From: [REDACTED]
Sent: Monday, 16 August 2021 12:44 PM
To: [REDACTED]
Cc: [REDACTED]
Subject: RE: [Ext] RE: Request - Additional information - Investigation IVT 10524

OFFICIAL: Sensitive

Thanks for your cooperation [REDACTED]

Yes we do require the 'raw navigation data' P2/94 or P2/11 as our technical advisors have indicated that these records *should* include source fired event and gun firing data.

Kind regards
[REDACTED]

[REDACTED] | Environment Specialist

Offshore Projects and Seismic

Environment & Decommissioning

National Offshore Petroleum Safety and Environmental Management Authority

[REDACTED] | **W:** nopsema.gov.au

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OFFICIAL: Sensitive

From: [REDACTED]
Sent: Monday, 16 August 2021 12:38 PM
To: [REDACTED]
Cc: [REDACTED]
Subject: RE: [Ext] RE: Request - Additional information - Investigation IVT 10524

Hi [REDACTED]

Sure, that's fine. We'll be working to compile as much as we can for Thursday 14:30.

I will put in a calendar invite for your Thursday visit.

Regards,

[REDACTED]

[REDACTED]

Schlumberger-Private

From: [REDACTED]

Sent: Monday, August 16, 2021 12:15 PM

To: [REDACTED]

Cc: [REDACTED]

Subject: RE: [Ext] RE: Request - Additional information - Investigation IVT 10524

OFFICIAL: Sensitive

Hi [REDACTED]

NOPSEMA requests that you provide all of the information requests that are quick for SLB to respond to by Thursday 19 August 2021 (between 1430 – 1530) and the remaining information on Tuesday 24 August (between 11am – 1pm).

Please confirm that this is suitable.

Regards

[REDACTED] | Environment Specialist

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OFFICIAL: Sensitive

From: [REDACTED]

Sent: Monday, 16 August 2021 10:25 AM

To: [REDACTED]

Cc: [REDACTED]

Subject: RE: [Ext] RE: Request - Additional information - Investigation IVT 10524

Hi [REDACTED]

We will work through the request below. While some items are quick for us to respond to, there are others which we will have to go externally for feedback and we are concerned that we would not have all compiled by this Thursday. May we please request an extension until mid-next week?

For clarity, regarding request number 3 could you provide input for the reason for requesting raw navigation data? We currently have raw P190 data stored locally however the other format navigation data is archived in our repository in Houston – can you let me know if this is required so that I will place an order for it to be shipped please (P2/94, P2/11).

Thanks and regards,

[REDACTED]
Sales Manager
Australasia
Schlumberger WesternGeco
[REDACTED]

Schlumberger-Private

From: [REDACTED]
Sent: Monday, August 16, 2021 8:37 AM
To: [REDACTED]
Cc: [REDACTED]
Subject: RE: [Ext] RE: Request - Additional information - Investigation IVT 10524
Importance: High

OFFICIAL: Sensitive

Hi [REDACTED]

Thank you for providing the additional information (Map 2).

To progress this investigation, NOPSEMA inspectors will continue the exercise the monitoring warrant and will require additional information which we will collect at the Schlumberger premises.

Specifically we require the following information:

Follow up matter	Additional information requested under the warrant
Map provided on 6 August 2021 (Map 2) does not include underlying data files as requested previously.	1. Provide the underlying shapefiles that were used to generate map 2 (provided by SLB on 6 August) 2. Provide the raw (unedited/unprocessed) data that was used to create the shapefiles
P1/90, P2/94 and P2/11 files are yet to be provided	3. Please provide unprocessed P1/90, P2/94 and P2/11 files of the Otway 2D MSS. Please ensure this includes the raw data and is not edited or processed in any way.
Clarification on the BIA spatial dataset that was used by Seabird / Seiche during the implementation of the activity. Note: 6.9km of acquisition appears to have taken place inside BIA ID2513 'known foraging area'.	4. Provide the shape files for the blue whale BIAs (from DAWE) that were provided by Schlumberger to the operator prior to the commencement of the MSS. 5. Provide documented evidence of the transmittal of these shape-files to the operator. 6. Provide a written explanation as to why (in writing) it appears that 6.9km was acquired inside BIA2513 (refer to the most north-westerly lines).

	Note: Not all BIAs appear in the final report prepared by Seiche Environmental. Only the 'annual high density foraging area' ID2597 appears to have been used during the implementation of the MSS survey.
Sighting 72 (18 March), Sighting 53 (4 March) Sighting 85 (1 April) appear to be inside the BIA with the airguns on at the time of sighting based on MFO Daily Reports.	7. Explain in writing the GPS coordinate recording process used by MFOs to record locations of fauna sightings in MFO daily reports and JNCC reports (i.e. automated or manual and confirm what instrumentation was used). 8. If there is a procedure for MFO data record keeping, please provide a copy of this. 9. Explain why marine fauna sightings 72, 53 and 85 are located inside the annual high density BIA and why the MFO daily reports for these sightings indicated that the airguns were on at the time of the sighting. 10. Clarify why sighting 88 is in the BIA and is recorded as 'full power' in the JNCC spreadsheet.
Sighting 78 on 26 March 2020 Sightings 89, 90, 91, 92, 93 & 94 on 8 April 2020 occurred during 'prime line change' in the Party Chief Daily Reports.	11. Please provide a written explanation that clarifies what it meant by 'prime line change' and whether any airgun was on (i.e. discharging energy) during 'prime line change' periods.
Seq034-OB2D-0104P1-034 ran in close proximity to BIA boundary and inside the BIA buffer.	12. Provide documented evidence to clarify whether any of acquisition line Seq034-OB2D-0104P1-034 took place during non-daylight hours. 13. Provide documented evidence to clarify whether seismic operations occurred in the 10 km behavioural disturbance buffer during the month of February 2021.
There were five sighting events and three shutdowns on 3 March 2020 yet production resumed during the night (2048 h until 2400 h).	14. Explain in writing why night time operations continued during night on 3 March 2020.
The support vessel was released from guard duty on 26, 27, 28 and 29 Jan to investigate a sighting and attempt PAM validation.	15. Please clarify in writing whether there was a permit under the EPBC Act that the MMO was operating under that enable the support vessel to remain within close proximity to a listed species for a protracted period (i.e. 80m for 3 hrs)?

We proposed to arrive at the SLB business premises to collect the above information at one of the following timeslots:

- Option1 – Tuesday 17 August 2021 – 3-4pm
- Option 2 – Wednesday 18 August 2021 – 1130-1230
- Option 3 – Thursday 18 August 2021 – 1430 - 1530

Please confirm which time is suitable.

Thanks



 | Environment Specialist

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OFFICIAL: Sensitive

From: [REDACTED]

Sent: Friday, 13 August 2021 9:45 AM

To: [REDACTED]

Cc: [REDACTED]

Subject: RE: [Ext] RE: Request - Additional information - Investigation IVT 10524

Hi [REDACTED]

I am sending an updated source activity map because the original map did not include the MMO effort and PAM effort combined. The revised map now has all data plotted.

I do now have all shape files for your next visit to collect.

Thanks,

[REDACTED]

Good morning [REDACTED]

We have had Seiche review their database and also put together a map to serve as Map 2 request directly from their systems in order to get a definitive plot. Please see the attached image map.

Could you let me know if this is fit for purpose? In parallel I am asking Seiche to send me the separate shape files for these data which I will forward to you as soon as I receive them.

In addition they plotted the sightings in a separate map which you may find of use.

Please let me know how this looks from your end and hope to close this request out so as not to delay your processes even further.

Thanks and regards,

[REDACTED]

Hi [REDACTED]

I thought I would send you an update on the status.

Unfortunately Seiche have been unresponsive to our requests on data clarification and now we have asked our UK management to contact them directly. I know this is delaying your processes and we hope to have this resolved at the earliest. Rest assured we continue to push to be able to supply the required map as soon as possible and I will continue to keep you all informed.

Regards.

[REDACTED]

Hi [REDACTED]

We are trying to cross check some input data from the observers on board and have them prepare a map however have been unsuccessful in reaching them so far. We are working to get this closed out as soon as possible [REDACTED] and I will get back to you with another update soon.

Regards,

[REDACTED]

[REDACTED]
Sales Manager
Australasia
Schlumberger WesternGeco
[REDACTED]

Schlumberger-Private

From: [REDACTED]
Sent: Wednesday, July 14, 2021 10:56 AM
To: [REDACTED]
Cc: [REDACTED]
Subject: RE: [Ext] RE: Request - Additional information - Investigation IVT 10524

OFFICIAL

Hi [REDACTED]

Checking in to see whether the map is ready as per the request below.

Regards

[REDACTED]

[REDACTED] A/ Manager
Offshore Projects and Seismic
Environment & Decommissioning
National Offshore Petroleum Safety and Environmental Management Authority
[REDACTED] W: nopsema.gov.au
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From: [REDACTED]
Sent: Wednesday, 30 June 2021 9:18 AM
To: [REDACTED]
Cc: [REDACTED]

[REDACTED]
Subject: RE: [Ext] RE: Request - Additional information - Investigation IVT 10524

OFFICIAL

Good morning [REDACTED]

NOPSEMA inspectors will collect map 2 next week at the SLB business premises, so yes, next week is fine.

Kind regards
[REDACTED]

[REDACTED] | Environment Specialist

Offshore Projects and Seismic

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OFFICIAL

From: [REDACTED]

Sent: Tuesday, 29 June 2021 10:10 AM

To: [REDACTED]

Cc: [REDACTED]

Subject: RE: [Ext] RE: Request - Additional information - Investigation IVT 10524

Hi [REDACTED]

Just to update you as we are all now working from home. We continue to work on Map 2 – a little more time consuming than we had first anticipated.

I wanted to check with you regarding getting this map to you when ready, if it needs to be collected in person then I assume next week would be fine with you?

Thanks and regards,

[REDACTED]

[REDACTED]

Sales Manager

Australasia

Schlumberger WesternGeco

[REDACTED]

From: [REDACTED]
Sent: Friday, June 25, 2021 7:56 AM
To: [REDACTED]
Cc: [REDACTED]
Subject: RE: [Ext] RE: Request - Additional information - Investigation IVT 10524

OFFICIAL

Good morning [REDACTED]

Thanks for the additional information.

Please let us know when map 2 is available and we will collect it.

Kind regards
[REDACTED]

[REDACTED] | Environment Specialist
Offshore Projects and Seismic
Environment & Decommissioning
National Offshore Petroleum Safety and Environmental Management Authority
[REDACTED] | W: nopsema.gov.au
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From: [REDACTED]
Sent: Thursday, 24 June 2021 11:46 AM
To: [REDACTED]
Cc: [REDACTED]
Subject: RE: [Ext] RE: Request - Additional information - Investigation IVT 10524

Hi [REDACTED]

Sorry for the delay but the rep from EPI has just come back to me and has confirmed as we thought – the black lines plotted on interim map 2 which indicate actual line kms data acquired on the survey do have full power source points only, no low power run in shots included.

Also, following our discussions in yesterday's meeting, [REDACTED] and I have been taking a look at sightings 53 and 72 which appear to be within BIA when plotted using the coordinates logged in the JNCC data sheet. Upon inspection we suspect that the positioning data is in error (not transferred to the JNCC sheet correctly. We come to this conclusion by looking at the timings of the shots with respect to entering and leaving the BIA and buffer zone.

Sighting 53 at 1626 (4/3/21)

Into buffer zone: 1242. Into BIA: 1409. Out of BIA:1617 Out of buffer: 1741

Sighting 72 at 1554 (18/3/21)

Into buffer zone: 1044. Into BIA: 1204. Out of BIA:1354 Out of buffer: 1516

In both cases the shots are occurring later in time after the vessel leaves both the BIA and also the buffer zone. In addition if we look at the daily report for sighting 53 we can see it plotted on the acquired line and not some distance after the start/end of line (hence not in buffer or BIA). Unfortunately the sighting 72 is not marked on the corresponding daily report in April.

Hope this helps.

Regards,

[REDACTED]

[REDACTED]

Sales Manager

Australasia

Schlumberger WesternGeco

[REDACTED]

Schlumberger-Private

From: [REDACTED]

Sent: Wednesday, June 23, 2021 4:47 PM

To: [REDACTED]

Cc: [REDACTED]

Subject: RE: [Ext] RE: Request - Additional information - Investigation IVT 10524

OFFICIAL

Hi [REDACTED]

Thank you for providing the information requested below (noting that map 2 is yet to be completed).

In relation to the interim map provided in lieu of map 2, can you please confirm that the black lines signify acquisition lines (and do not include soft starts).

Thank you

Kind regards

[REDACTED]

[REDACTED] | Environment Specialist

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From: [REDACTED]
Sent: Tuesday, 22 June 2021 3:05 PM
To: [REDACTED]
Cc: [REDACTED]
Subject: RE: [Ext] RE: Request - Additional information - Investigation IVT 10524

Thanks [REDACTED]

See you both tomorrow.

Regards,

[REDACTED]

[REDACTED]
Sales Manager
Australasia
Schlumberger WesternGeco
[REDACTED]

Schlumberger-Private

From: [REDACTED]
Sent: Tuesday, June 22, 2021 2:59 PM
To: [REDACTED]
Cc: [REDACTED]
Subject: RE: [Ext] RE: Request - Additional information - Investigation IVT 10524

OFFICIAL

Hi [REDACTED]

[REDACTED] and I will be attending and we will ensure we complete the pre-visit covid questionnaire

Thank you, your cooperation is much appreciated.

Regards

[REDACTED]

[REDACTED] | Environment Specialist

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[REDACTED] | W: nopsema.gov.au

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OFFICIAL

From: [REDACTED]

Sent: Tuesday, 22 June 2021 2:50 PM

To: [REDACTED]

Cc: [REDACTED]

Subject: RE: [Ext] RE: Request - Additional information - Investigation IVT 10524

Hi [REDACTED]

We will have the documents on disk ready for you at 3pm. I have booked a room for your visit so we can complete the paperwork required.

For map 2 we are still collecting the information and preparing the ground work this afternoon – we should have a clear timeline for you tomorrow when you visit. In the interim we will provide an alternative map as you request below.

Could you please let me know who will be coming over to our office and could you ask them to carry out the COVID pre-visit questionnaire? Link below.

online self-assessment form <https://forms.office.com/Pages/ResponsePage.aspx>

Thanks and regards,

[REDACTED]

[REDACTED]

Sales Manager

Australasia

Schlumberger WesternGeco

[REDACTED]

Schlumberger-Private

From: [REDACTED]

Sent: Tuesday, June 22, 2021 11:06 AM

To: [REDACTED]

Cc: [REDACTED]

Subject: [Ext] RE: Request - Additional information - Investigation IVT 10524

OFFICIAL

Hi [REDACTED]

Thank you for clarifying that the majority of the requested documents will be available by COB tomorrow.

To enable NOPSEMA inspectors to review these documents, collect them and bring them back to the NOPSEMA office, would it be possible to have the documents ready by 3pm 23 June 2021? NOPSEMA inspectors will need to re-enter the premises under the warrant and formally collect the documents so you, [REDACTED] or another Schlumberger representative will need to be available.

In terms of map 2, have you got an update on the timeframe for the provision of this map? In the interim, information that shows where data acquisition actually took place, mapped overtop of the blue whale BIAs, would provide some information for us to consider while map 2 is being produced.

Regards

[REDACTED]

[REDACTED] | Environment Specialist

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From: [REDACTED]

Sent: Friday, 18 June 2021 4:22 PM

To: [REDACTED]

Cc: [REDACTED]

Subject: RE: Request - Additional information - Investigation IVT 10524

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Thanks for visiting our office yesterday. As requested, below are the indicative time lines:

- Map 1: Map and shape files can be provided for both item (a) and (b) by CoB Wednesday 23rd June 2021
- Map 2: Information will require a collation of coordinates with source energy produced (acquisition lines and soft start) from the P190 or sps files with all needed coordinates together with the observation/Nav logs. We are estimating a time line for completion of this work and come back to you.
- Other Information: Can be provided by CoB Wednesday 23rd June 2021

Have a good weekend.

Regards,

[REDACTED]

[REDACTED]

[REDACTED]
Asia Pacific
Schlumberger
Level 5, 10 Telethon Avenue, Perth WA 6000
[REDACTED]
[REDACTED]

From: [REDACTED]
Sent: Thursday, 17 June 2021 2:55 PM
To: [REDACTED]
Cc: [REDACTED]
Subject: RE: Request - Additional information - Investigation IVT 10524

Thanks [REDACTED]

We will get back to you tomorrow with an estimate of time needed to collate the needed information and also to produce the maps. [REDACTED] will be in touch as I will be out of office tomorrow.

Regards,

[REDACTED]
[REDACTED]
Sales Manager
Australasia
Schlumberger WesternGeco
[REDACTED]

Schlumberger-Private

From: [REDACTED]
Sent: Thursday, June 17, 2021 1:43 PM
To: [REDACTED]
Cc: [REDACTED]
Subject: [Ext] Request - Additional information - Investigation IVT 10524

OFFICIAL

Dear [REDACTED]

Below is a request for additional documented information to support NOPSEMA's investigation of the Schlumberger Australia Pty Ltd (SLB) Otway Basin 2D Marine Seismic Survey.

NOPSEMA inspectors request that SLB responds by COB 18 June 2021 with an indication as to **when** the below the documentation will be ready for collection by NOPSEMA inspectors.

Maps

1. Please produce a map with:
 - a. Biologically important areas for blue whales used during the implementation of the survey
 - b. all the blue whale and un-identified whale sightings from MV No Limitation and Nordic Explorer showing:
 - i. sightings from different vessels (different shape for each)

- ii. the corresponding sighting number
- iii. Whether guns were on or off for each s