



CERVANTES 1

REHABILITATION PLAN

Executive Summary

Management Plan Type	Rehabilitation Plan
Proposal Name	Cervantes 1 Conventional Oil Exploration Well
Proponent Name	PBE
Ministerial Statement Number	1178
Purpose of Management Plan	Provide instruction to successfully rehabilitate the site to a post drilling land use compatible with the surrounding environment of the BKNR and ensure that no future management liabilities are left for Department of Biodiversity, Conservation and Attractions (DBCA) in accordance with implementation conditions 5, 8 and 9 of MS 1178.
Key Environmental Outcomes	<ul style="list-style-type: none"> • No permanent markers, infrastructure or litter are left at rehabilitating sites • Natural contours are re-instated to pre-disturbance conditions upon rehabilitation as per pre-project survey • No bare patches larger than 10 m² after 3 years • Foliage cover of weeds in rehabilitated areas is not greater than adjacent undisturbed remnant vegetation after 3 years • Total native vegetation percentage cover of perennials should reach at least 50% of the control after 3 years for VTs • Native vegetation cover shows a pattern of increasing over time • The species richness of keystone species per monitoring plot is at least 50% of the control monitoring plot within 3 years • Keystone species richness in >90% of rehabilitating monitoring quadrats is not less than control monitoring quadrats within each vegetation type after three years • Species richness of the rehabilitation is greater than 50% of monitoring transects within each VT within 3 years • No introduction of dieback disease to the Cervantes 1 Development Envelope at any time
Condition Clauses	Table 2
Proposed Construction Date	February 2022 (Management Plan required prior to Construction)

Revision Control

Rev	Date	Description	By	Checked	Appr.
v4	06/03/2023	Rehabilitation Plan issued to DWER for review	ASW	CR	PBE
v3A	22/01/2023	Rehabilitation Plan revised on site inspection of access tracks and firebreak with DBCA and review by Rehabilitation Consultant New Proponent Details	ASW	SV	PBE
v3	24/01/2022	Rehabilitation Plan revised on EPA and DBCA request for amendments	ASW	-	KA
v2	09/06/2021	Rehabilitation Plan revised on Draft EPA Ministerial Statement conditions	ASW	-	KA
v1	29/04/2021	Revised Rehabilitation Plan reissued to DBCA for endorsement	GW / SV	ASW	KA
v0	29/01/2021	Draft Rehabilitation Plan issued to DBCA for assessment and endorsement	ASW	GW / SV	KA
vC	10/11/2020	Initial Draft issued to DBCA for review	ASW	-	KA
vB	27/10/2020	Initial Draft to Internal Review	ASW	KA	-
vA	09/03/2020	Initial Draft Rehabilitation Plan	ASW	-	-
Document Number RCMA-02-EM-PLN-008					

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Table of Contents

Executive Summary	2
Revision Control	3
Distribution	4
Table of Contents	5
List of Figures	6
List of Tables	7
List of Appendices	7
Terms & Abbreviations	8
Related Documents	8
1. Introduction	9
1.1 Rehabilitation Objective.....	9
1.2 Goals	9
1.3 Rehabilitation Planning.....	14
1.4 Rehabilitation Bonds.....	14
1.5 Offsets.....	14
2. Site Conditions & Issues	15
2.1 Significant Flora and Vegetation	15
2.2 Decommissioning and Rehabilitation Domains	20
3. Soil and Groundwater Protection	23
3.1 Soil Validation Sampling	23
3.2 Groundwater Validation Sampling	23
4. Risk Assessment	24
5. Rehabilitation Works	24
5.1 Hygiene	24
5.2 Weed Control	24
5.3 Earthworks and Site Preparation	26
5.4 Topsoil return.....	26
5.5 Vegetation residues	26
5.6 Propagule Introduction	26
6. Completion and Closure Criteria.....	26
6.1 Rationale and Approach	26

6.1.1	Weeds	27
6.1.2	Native Plant Cover	28
6.1.3	Key Stone Species	29
6.1.4	Species Richness	30
6.2	Completion Criteria	31
6.3	Thresholds and Triggers	34
6.4	Rationale for the choice of the early response indicator	35
7.	Rehabilitation Schedule	36
8.	Responsibility and Accountability	37
8.1	Responsibilities	37
8.2	Rehabilitation Supervision	37
8.3	Training	37
9.	Monitoring	37
9.1	Routine Site Inspection	37
9.2	Compliance Auditing	37
9.3	Rehabilitation Monitoring	38
10.	Maintenance and Rectification	41
11.	Stakeholder Consultation	41
12.	Reporting	41
12.1	Non-Compliance Reporting	41
12.2	End of Rehabilitation Internal Report	42
12.3	Annual Environmental Report	42
13.	Adaptive Management and Rehabilitation Plan Review	42
14.	References	45

List of Figures

Figure 1: Vegetation Type Mapping and Significant Flora within the Cervantes 1 Development Envelope (Northwest)	16
Figure 2: Vegetation Type Mapping and Significant Flora within the Cervantes 1 Development Envelope (outside BKNR)	17
Figure 3: Vegetation Type Mapping and Significant Flora within the Cervantes 1 Development Envelope (Central)	18
Figure 4: Vegetation Type Mapping and Significant Flora within the Cervantes 1 Development Envelope (South)	19
Figure 5: Cervantes 1 Decommissioning and Rehabilitation Domains	21

Figure 6: Widened Track Areas for Rehabilitation	22
Figure 7: Changes in weed cover within rehabilitated vegetation of T2 and H1 communities over time compared with the undisturbed control vegetation	28
Figure 8: Changes in native perennial species cover within rehabilitated vegetation of T2 and H1 communities over time compared with the undisturbed control vegetation. The dashed line represents the completion criteria	28
Figure 9: Changes in native perennial species cover within rehabilitated vegetation of T2 and H1 communities over time compared with the undisturbed control vegetation. The dashed line represents the completion criteria	29
Figure 10: Changes the percentage of quadrats with keystone species present within rehabilitated vegetation of T2 and H1 communities over time compared with the undisturbed control vegetation. The dashed line represents the completion criteria	30
Figure 11: Changes in species richness present within rehabilitated vegetation of T2 and H1 communities over time compared with the undisturbed control vegetation. The dashed line represents the completion criteria	30
Figure 12: Rehabilitation Monitoring Locations	39

List of Tables

Table 1: Goals	9
Table 2: Ministerial Statement Conditions	10
Table 3: Summary of the vegetation types within the Disturbance Envelope of the Cervantes 1 Project Site	15
Table 4: Cervantes 1 Decommissioning and Rehabilitation Domains	20
Table 5: Groundwater Monitoring Parameters	23
Table 6: Results of risk assessment for the Cervantes 1 exploration well Rehabilitation	25
Table 7: Completion Criteria	31
Table 8: Threshold and trigger criteria for rehabilitation outcomes	34
Table 9: Early Warning Criteria Rationale	35
Table 10: Cervantes 1 Rehabilitation Schedule	36
Table 11: Routine Site Inspections	37
Table 12: Environmental Auditing	38
Table 13: Weed, Dieback and Rehabilitation Monitoring	40
Table 14: Environmental Incident Reporting	44

List of Appendices

Appendix A	Risk Ranking Matrix
Appendix B	Keystone Species Seed Mix
Appendix C	Stakeholder Consultation Register
Appendix D	End of Rehabilitation Internal Report [RCMA-02-EM-TRG-003]
Appendix E	Rehabilitation Plan Version 4

Terms & Abbreviations

	Definition
AER	Annual Environmental Report
AIEA	Annual Internal Environmental Audit
BKNR	Beekeepers Nature Reserve
DBCA	Department of Biodiversity, Conservation and Attractions (formerly Department of Parks and Wildlife (DPaW))
DMIRS	Department of Mines, Industry Regulation and Safety (formerly Department of Mines and Petroleum (DMP))
PBE	Perth Basin Energy
VT	Vegetation Type

Related Documents

Document #	Document Name
RCMA-02-EM-PLN-001	Cervantes 1 Conventional Well Environment Plan
RCMA-02-EM-PLN-002	Cervantes 1 Conventional Well Oil Spill Contingency Plan
RCMA-02-EM-PLN-003	Cervantes 1 Hygiene Management Plan
RCMA-02-EM-PLN-004	Cervantes 1 Vegetation Management Plan
RCMA-07-TM-FM-004	Cervantes 1 Induction
RCMA-02-EM-FM-006	End of Decommissioning / Rehabilitation Report Form

1. Introduction

RCMA Australia Pty Ltd now Perth Basin Energy (PBE) drilled the Cervantes 1 exploration well 11 km south of Dongara/Port Denison within Production Licence L14. The overall site comprises 2.6 ha of Well Pad with associated infrastructure and 4.0 ha of access track (includes existing cleared areas).

The proposed site is located within the Beekeepers Nature Reserve (BKNR) in the northern Perth Basin and comprises native vegetation (4.5 ha) and previously cleared land (2.1ha) comprising tracks and firebreaks.

1.1 Rehabilitation Objective

The overall objective for rehabilitation of the Cervantes 1 site is to return the site to a post drilling land use compatible with the surrounding environment of the BKNR and ensure that no future management liabilities are left for Department of Biodiversity, Conservation and Attractions (DBCA).

The rehabilitation objectives will be achieved by:

- Ensuring contamination is removed / remediated
- Removing project infrastructure
- Retaining or reinstating the original tracks and firebreaks (as agreed with DBCA)
- Rehabilitating the disturbed vegetated areas to native vegetation comparable to the adjacent undisturbed remnant vegetation

Table 2 presents a table of the Ministerial Statement condition requirements with reference to the section they are addressed in the Vegetation Management Plan (VMP).

1.2 Goals

Table 1 contains goals for rehabilitation associated with the Cervantes 1 Project.

Table 1: Goals

Goal#		Goal
1.	Long term infrastructure use	An agreement is in place for the proposed future of Cervantes 1 infrastructure
2.	Rehabilitation planning	Each area to be rehabilitated is included in the rehabilitation planning prior to the commencement of rehabilitation
3.	Rehabilitation operations	All areas are rehabilitated in accordance with the Rehabilitation Plan and documented in the "Supervision of Rehabilitation Report"
4.	Rehabilitation monitoring	All areas achieve identified completion criteria or receive remedial actions that bring them into compliance
5.	Stakeholder relations	The DBCA are satisfied with each area rehabilitated and progressively accept responsibility for ongoing management of rehabilitated areas following achievement of completion criteria
6.	Regulatory	The DMIRS accept PBE have met all requirements of the Cervantes 1 Environment Plan under the <i>Petroleum and Geothermal Energy Resources (Environment) Regulations 2012</i> .

Table 2: Ministerial Statement Conditions

Condition	Subject	Requirement	Management Plan Location
1178:M05.1	Rehabilitation Plan	The proponent shall update and implement the Rehabilitation Management Plan (29 April 2021) for approval by the CEO, on advice from DBCA. The Rehabilitation Management Plan shall contain provisions for update and review.	Section 13
1178:M05.2	Rehabilitation Plan	The proponent must not commence ground disturbing works until the CEO has endorsed the latest version of the Rehabilitation Management Plan (29 April 2021) in writing.	Ground disturbing works will not commence until EPA approves this Rehabilitation Plan
1178:M05.3	Rehabilitation Plan	The proponent shall implement the Rehabilitation Management Plan referred to in condition 5-1 until such time as the CEO agrees that the proponent's rehabilitation completion criteria have been fulfilled.	Section 13
1178:M06.1	Rehabilitation Performance Bond	As security for the due and punctual observance and performance by the proponent of the requirements of condition 5 to be observed, conformed and complied with, the proponent shall lodge with the CEO prior to commencement of site preparation activities, an irrevocable Performance Bond as nominated and approved by the CEO in his/her sole unfettered discretion to a cash value and in a form acceptable to the CEO ("the Security") which Security at the date hereof being \$324,500.	Section 1.4
1178:M06.2	Rehabilitation Performance Bond	If the proponent encounters hydrocarbons that have the potential to lead to a commercial field development, as security for the due and punctual observance and performance by the proponent of the requirements of condition 5 to be observed, conformed and complied with, the proponent shall lodge with the CEO on demand within three (3) months of the casing and suspension of the proposal, an irrevocable Performance Bond as nominated and approved by the CEO in his/her sole unfettered discretion to a cash value and in a form acceptable to the CEO ("the Security") which Security at the date hereof being \$275,000.	Section 1.4
1178:M06.3	Rehabilitation Performance Bond	Upon completion of appropriate decommissioning and rehabilitation works at the site as agreed by the CEO, the Performance Bond referred in condition 6-1 can be reduced to \$93,000 as a contingency Performance Bond. Additional works would be required if completion criteria have not been achieved in a period of three (3) years following completion of decommissioning and rehabilitation works as determined by the CEO, on advice of DBCA.	Section 1.4

Condition	Subject	Requirement	Management Plan Location
1178:M06.4	Rehabilitation Performance Bond	Security required by conditions 6-1, 6-2 and 6-3 may be reviewed at any time under Part VA 'Financial assurances' of the Environmental Protection Act 1986.	Section 1.4
1178:M07.1	Offsets	If completion criteria have not been fulfilled after decommissioning and rehabilitation, and a further three (3) years following additional works, resulting in significant residual impacts on Beekeepers Nature Reserve, then the proponent shall implement offsets to counter-balance any residual impacts on the nature reserve as determined by the CEO, on advice of DBCA.	Section 1.5
1178:M08.1	Environmental Management Plan(s): Monitoring and Adaptive Management Program	<p>Prior to ground disturbance and for approval, the proponent must prepare and submit to the CEO Environmental Management Plan(s) to substantiate that the outcomes of condition 4 will be met. The Plans must include:</p> <ul style="list-style-type: none"> (1) threshold criteria that provide a limit beyond which the environmental outcomes are not achieved; (2) trigger criteria that will provide an early warning that the environmental outcomes are not likely to be met; (3) monitoring parameters, sites, control/reference sites, methodology, timing and frequencies which will be used to measure threshold and trigger criteria. Include methodology for determining alternate monitoring sites as a contingency if proposed sites are not suitable in the future; (4) baseline data; (5) data collection and analysis methodologies; (6) adaptive management methodology; and (7) contingency measures which will be implemented if threshold or trigger criteria are met. 	Section 2, 3, 5, 6, 10 and 13 outline the elements required in this management plan under this condition
1178:M08.2	Environmental Management Plan(s): Monitoring and Adaptive Management Program	The exceedance of a threshold criteria (regardless of whether threshold contingency measures have been or are being implemented), and / or failure to comply with the requirements of the Environmental Management Plan represents a non-compliance with these conditions.	Section 12.1, Table 14 outlines the definition of a non-compliance

Condition	Subject	Requirement	Management Plan Location
1178:M08.3	Environmental Management Plan(s): Monitoring and Adaptive Management Program	The proponent must not commence operations until the CEO, on advice from DBCA, has confirmed in writing that the Environmental Management Plan(s) satisfies the requirements of this condition.	Operations will not commence until EPA approves this Management Plan
1178:M09.1.1	Environmental Management Plan(s): General Provisions	After receiving notice in writing from the CEO that the management plan(s) for conditions 4 of this Statement satisfy the requirements of condition 8 respectively, the proponent shall implement the proposal in accordance with the management plans	The proposal will be implemented in accordance with this Management Plan
1178:M09.1.2	Environmental Management Plan(s): General Provisions	After receiving notice in writing from the CEO that the management plan(s) for conditions 4 of this Statement satisfy the requirements of condition 8 respectively, the proponent shall continue to implement the approved plans and programs until the CEO has confirmed by notice in writing that it has been demonstrated that the condition requirements have been met and therefore the implementation of the actions is no longer required	The proposal will continue to be implemented in accordance with this Management Plan until the CEO confirms that all the conditions have been met
1178:M09.2	Environmental Management Plan(s): General Provisions	The proponent may review and revise the management plan(s).	Section 13
1178:M09.3	Environmental Management Plan(s): General Provisions	The proponent shall review and revise the management plan(s) as and when directed by the CEO.	Section 13
1178:M09.4	Environmental Management Plan(s): General Provisions	The proponent shall implement the latest version of the management plan(s), which the CEO has confirmed by notice in writing, satisfies the requirements of conditions 4 and 8 respectively.	Revision Control on Page 3

Condition	Subject	Requirement	Management Plan Location
1178:M09.5	Environmental Management Plan(s): General Provisions	Despite condition M9.4, but subject to conditions M9.6 and M9.7, the proponent may implement minor revisions to a management plan(s) if the revisions will not result in any new or increased adverse impacts to the environment or result in a risk to the achievement of the management plan(s) limits, outcomes or objectives.	Section 13
1178:M09.6	Environmental Management Plan(s): General Provisions	If the proponent is to implement minor revisions to a management plan(s) under condition 9-5, the proponent must provide the CEO with the following at least twenty (20) business days before it implements the revisions: (1) revised management plan(s) clearly showing the minor revisions; (2) explanation of reasons for the minor revisions; and explanation of why the minor revisions will not result in a new or increased adverse impacts to the environment or result in a risk to the achievement of the management plan limits, outcomes or objectives.	Section 13
1178:M09.7	Environmental Management Plan(s): General Provisions	The proponent must cease to implement any revisions which the CEO notifies the proponent in writing may not be implemented.	Section 13
1178:M09.8	Environmental Management Plan(s): General Provisions	Management Plans must be provided in electronic form suitable for publication on the EPA website within ten (10) business days of endorsement, and also be provided on the proponent's website.	Section 13

1.3 Rehabilitation Planning

Rehabilitation planning has been undertaken in accordance with the Department of Mines, Industry Regulation and Safety (DMIRS) *DMIRS Guidance Note – Decommissioning, rehabilitation, and closure of petroleum activities [DMIRSN0V19_6259]* and includes the submission of this rehabilitation plan to support the details provided in the Cervantes 1 Conventional Oil Exploration Environment Plan [RCMA-02-EM-PLN-001].

The completion criteria and performance indicators included in this rehabilitation plan will be agreed by DBCA prior to rehabilitation commencement to ensure that rehabilitation as far as practicable achieves a stable and functioning landform and ecological system consistent with pre-existing and surrounding landscape and environmental values.

The results of the exploration drilling will determine the timeline for the rehabilitation work. Two general scenarios for rehabilitation are envisaged following development of the site and exploratory drilling. Where the exploration well:

1. Does not intercept hydrocarbons, the well will be plugged and abandoned immediately. The site will be decommissioned and rehabilitated in accordance with this plan.
2. Intercepts hydrocarbons the well may be further evaluated for production. However, the development of the well for production may be deferred, subject to production plans. If testing indicates the well is unsuitable for further development, the well will be decommissioned, and the site rehabilitated.

Under the second scenario, this Rehabilitation Plan will be revised to consider the following:

- Areas impacted and the proposed final status of the infrastructure
- Additional rehabilitation requirements such as supplementing species re-introduction with seed due to the age of the topsoil
- Any other factors relevant at the time

1.4 Rehabilitation Bonds

A decommissioning bond for P&A of the Cervantes 1 well of \$275,000 will be lodged if the well encounters potential commercial hydrocarbons (well is cased during drilling and not P&A) within 3 months of drilling the well.

A rehabilitation performance bond of \$324,500 is in place until rehabilitation has been undertaken for Cervantes 1. This bond will then be reduced to \$93,000 until the completion criteria in Table 7 have been achieved.

Security required by MS1178 conditions 6-1, 6-2 and 6-3 may be reviewed at any time under Part VA 'Financial assurances' of the Environmental Protection Act 1986.

1.5 Offsets

If rehabilitation and re-rehabilitation do not achieve the completion criteria as per Table 7 and there are residual impacts on the BKNR, PBE will consult with the EPA on the implementation of offsets to counter-balance any proposal impacts.

2. Site Conditions & Issues

2.1 Significant Flora and Vegetation

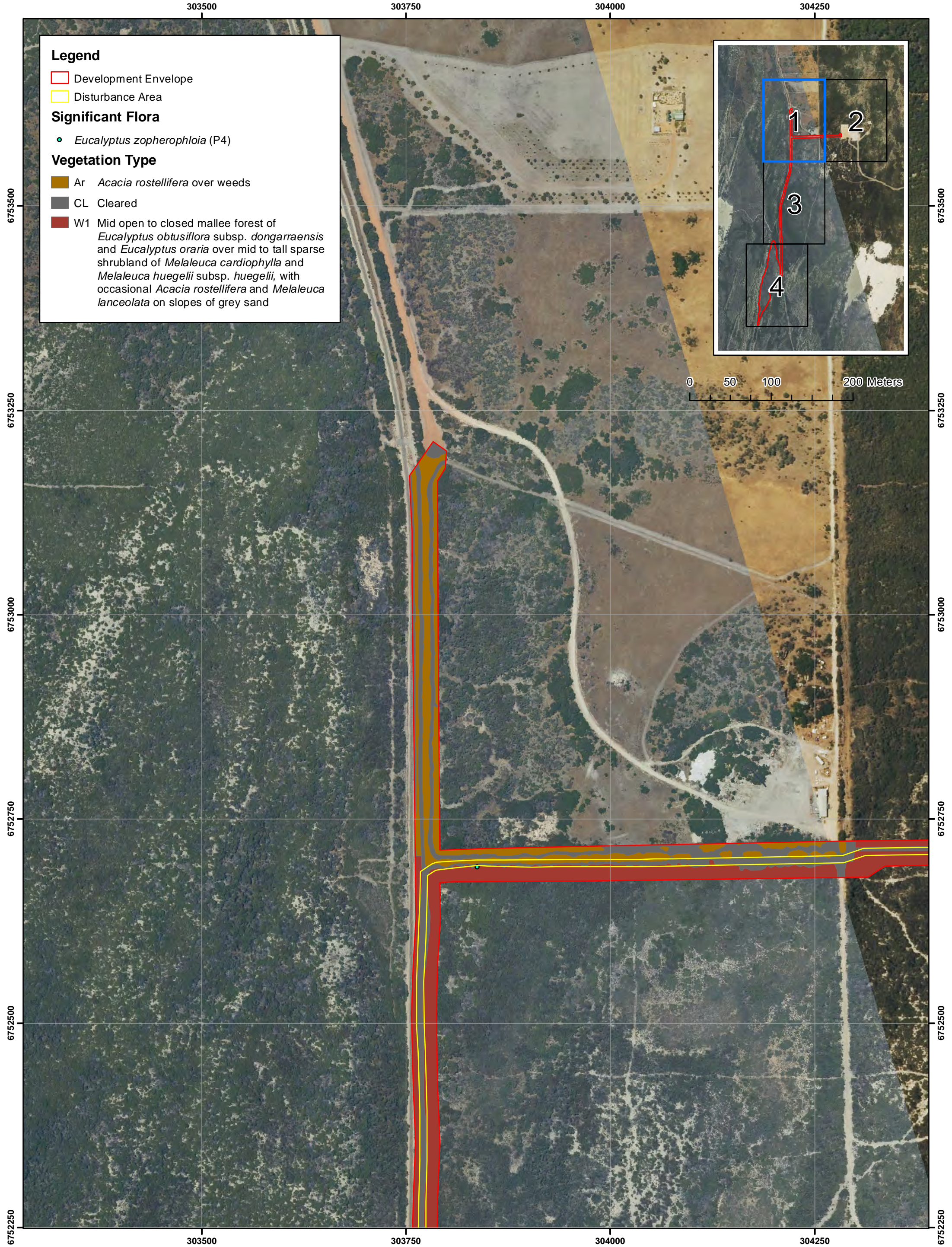
Table 3 summarises the characteristics of the vegetation types within the disturbance envelope. Figure 1 to 4 show the location of the vegetation types at the Cervantes 1 Project site. Note that Figure 2 shows the part of the project outside of the BKNR but still subject to this Rehabilitation Plan.

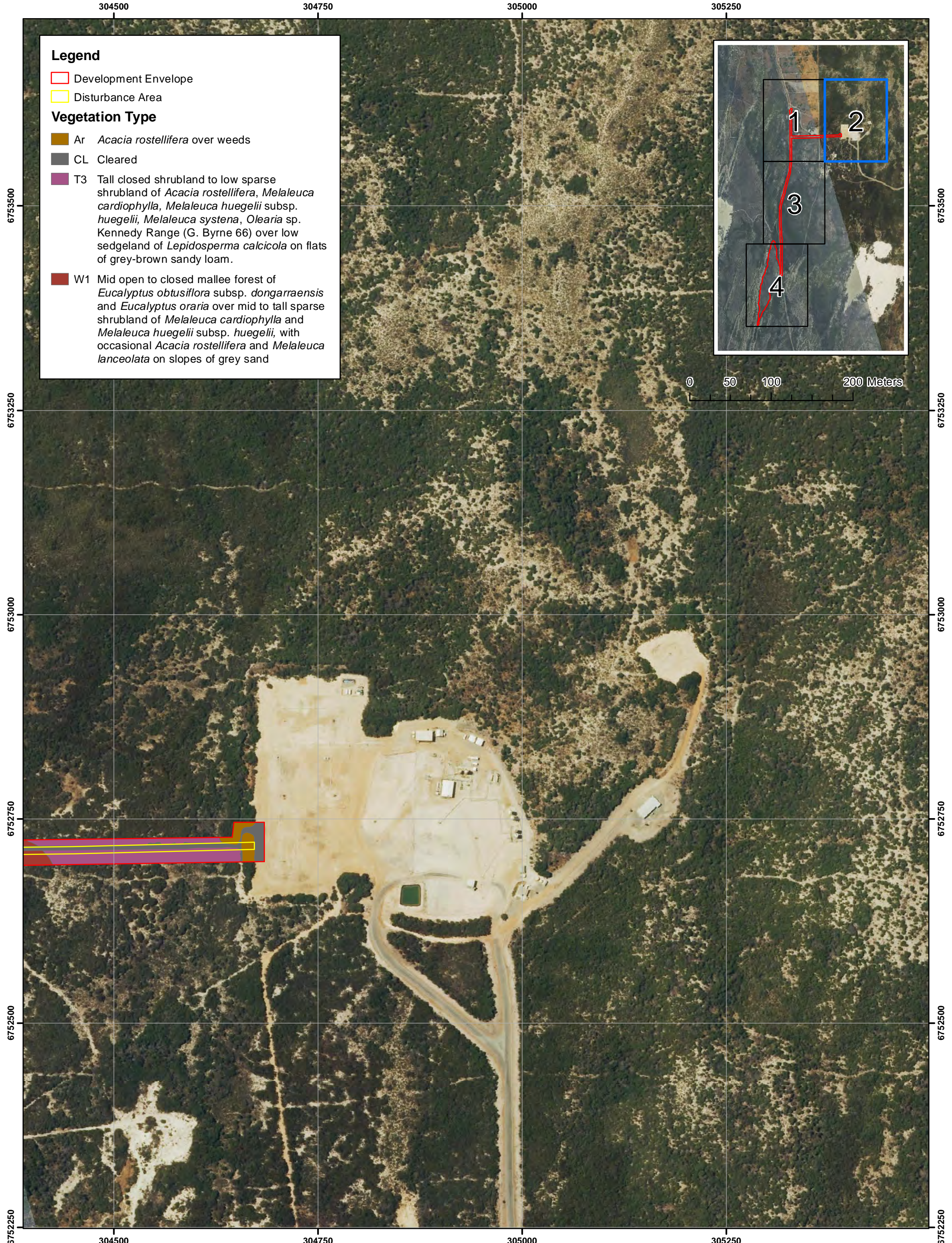
Table 3: Summary of the vegetation types within the Disturbance Envelope of the Cervantes 1 Project Site

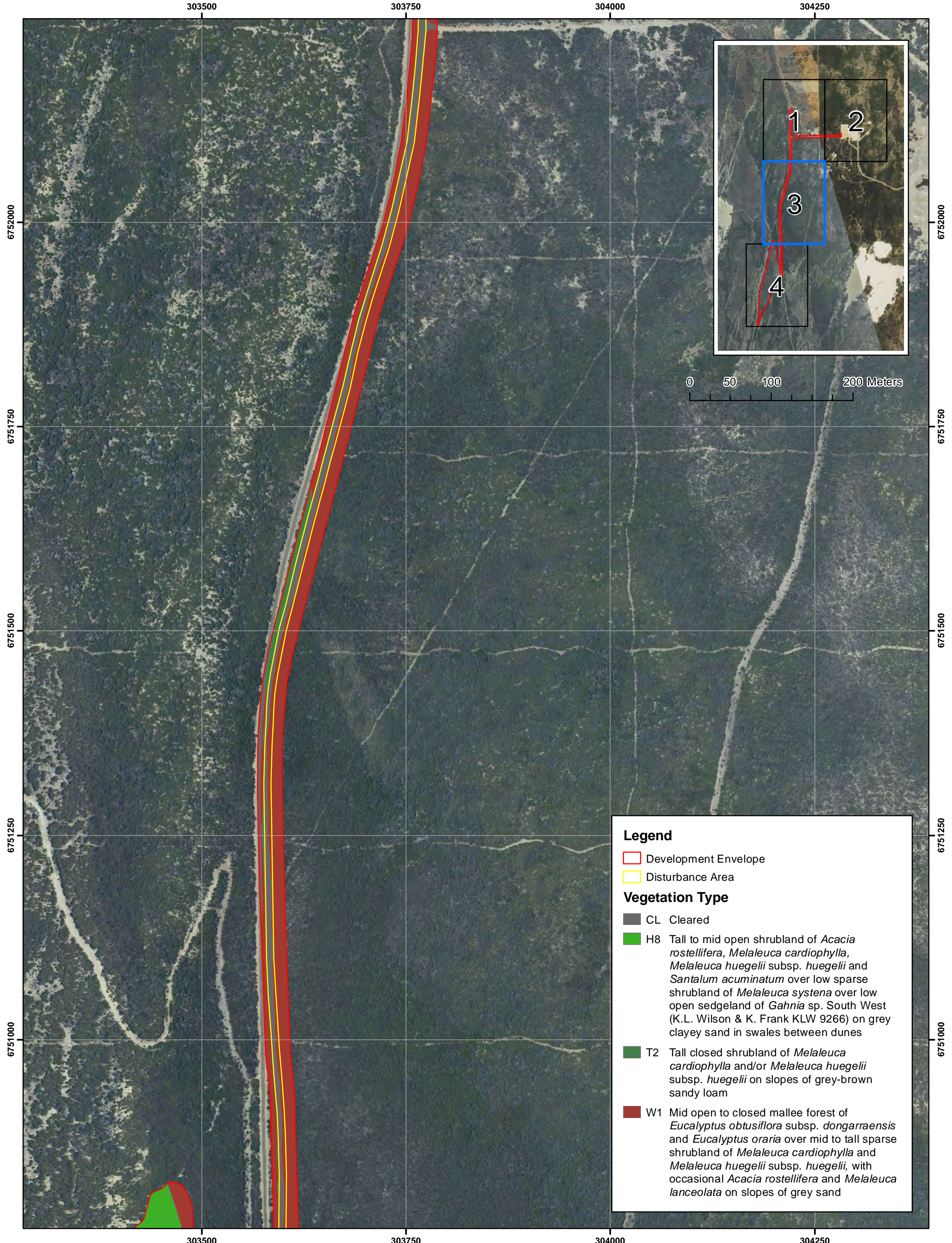
Vegetation Type	Description
H8	Tall to mid open shrubland of <i>Acacia rostellifera</i> , <i>Melaleuca cardiophylla</i> , <i>Melaleuca huegelii</i> subsp. <i>huegelii</i> and <i>Santalum acuminatum</i> over low sparse shrubland of <i>Melaleuca systema</i> over low open sedgeland of <i>Gahnia</i> sp. Southwest (K.L. Wilson & K. Frank K LW 9266) on grey clayey sand in swales between dunes
T2	Tall closed shrubland of <i>Melaleuca cardiophylla</i> and/or <i>Melaleuca huegelii</i> subsp. <i>huegelii</i> on slopes of grey-brown sandy loam
T3	Tall closed shrubland to low sparse shrubland of <i>Acacia rostellifera</i> , <i>Melaleuca cardiophylla</i> , <i>Melaleuca huegelii</i> subsp. <i>huegelii</i> , <i>Melaleuca systema</i> , <i>Olearia</i> sp. Kennedy Range (G. Byrne 66) over low sedgeland of <i>Lepidosperma calcicola</i> on flats of grey-brown sandy loam.
W1	Mid open to closed mallee forest of <i>Eucalyptus obtusiflora</i> subsp. <i>dongarraensis</i> and <i>Eucalyptus oraria</i> over mid to tall sparse shrubland of <i>Melaleuca cardiophylla</i> and subsp. <i>huegelii</i> , with occasional <i>Acacia rostellifera</i> and <i>Melaleuca lanceolata</i> on slopes of grey sand State listed PEC (P1)
Ar	<i>Acacia rostellifera</i> over weeds
Cleared	Includes tracks and firebreaks

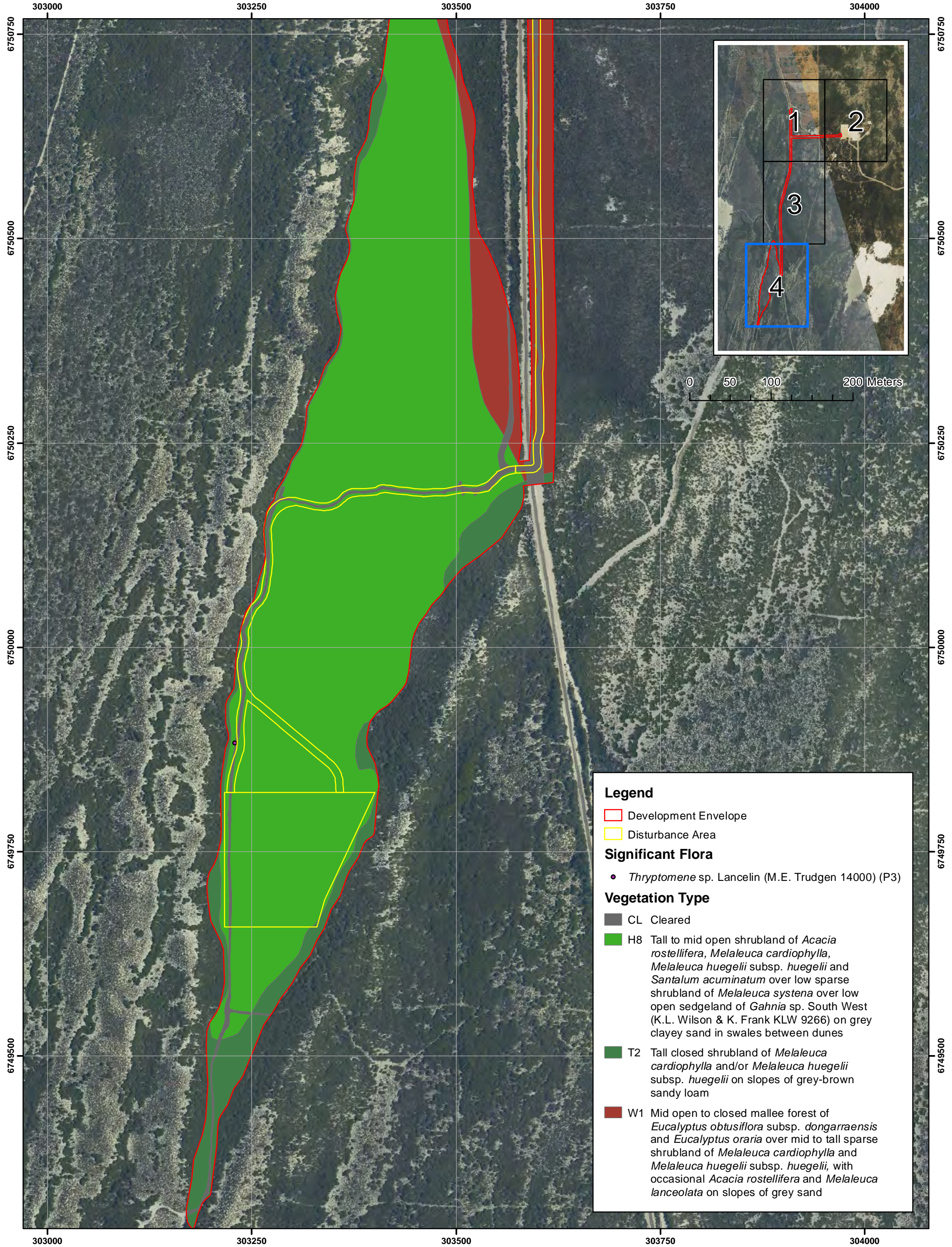
Figures 1 and 4 show the location of significant flora occurring within the Development Envelope:

- *Thryptomene* sp. Lancelin (M.E. Trudgen 14000) (P3), and
- *Eucalyptus zopherophloia* (P4)









Legend

Development Envelope

Disturbance Area

Significant Flora

Thryptomene sp. Lancelin (M.E. Trudgen 14000) (P3)

Vegetation Type

CL

Cleared

H8

Tall to mid open shrubland of *Acacia rostellifera*, *Melaleuca cardiophylla*, *Melaleuca huegelii* subsp. *huegelii* and *Santalum acuminatum* over low sparse shrubland of *Melaleuca systema* over low open sedgeland of *Gahnia* sp. South West (K.L. Wilson & K. Frank KLW 9266) on grey clayey sand in swales between dunes

T2

Tall closed shrubland of *Melaleuca cardiophylla* and/or *Melaleuca huegelii* subsp. *huegelii* on slopes of grey-brown sandy loam

W1

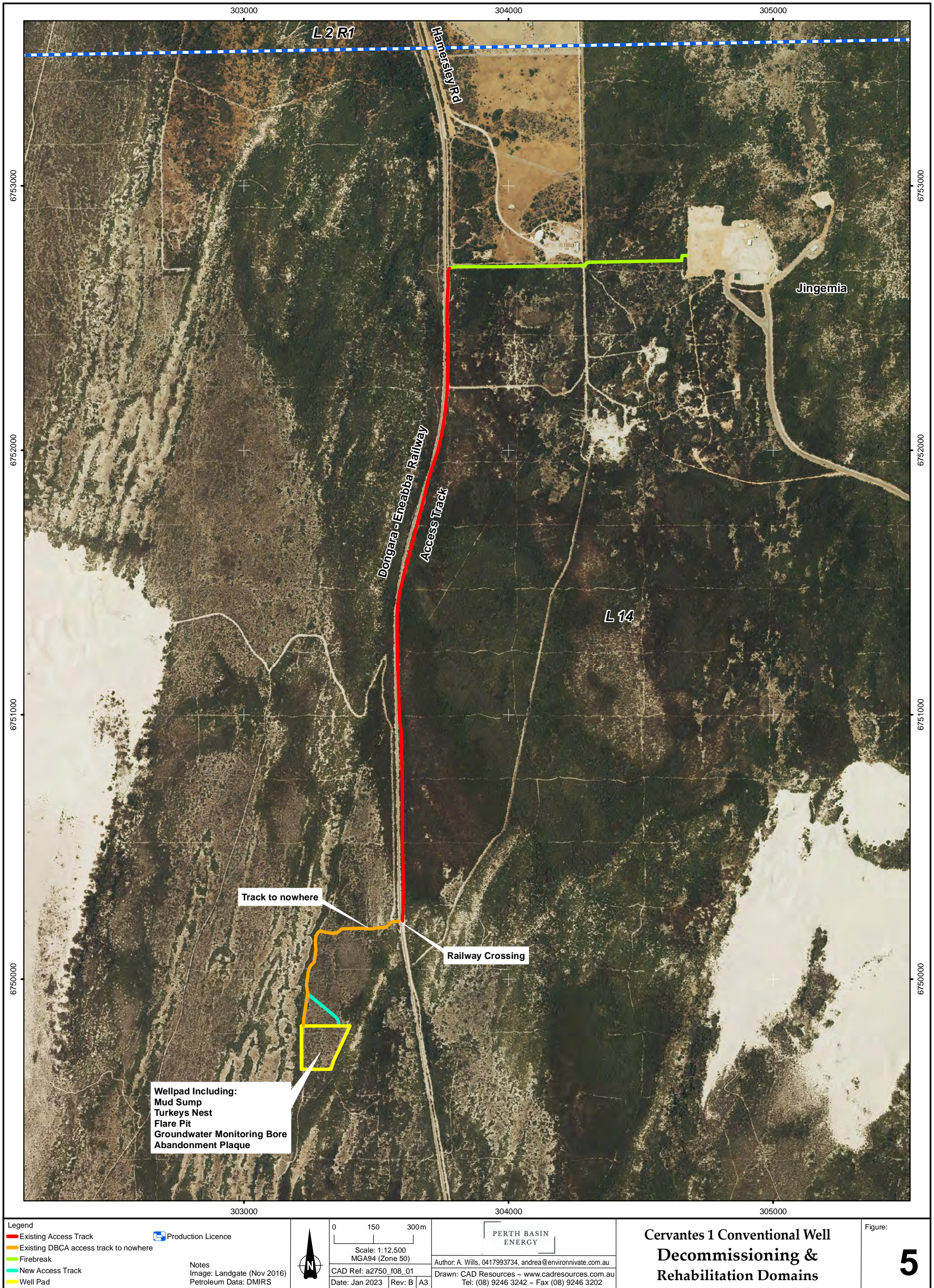
Mid open to closed mallee forest of *Eucalyptus obtusiflora* subsp. *dongarraensis* and *Eucalyptus oraria* over mid to tall sparse shrubland of *Melaleuca cardiophylla* and *Melaleuca huegelii* subsp. *huegelii*, with occasional *Acacia rostellifera* and *Melaleuca lanceolata* on slopes of grey sand

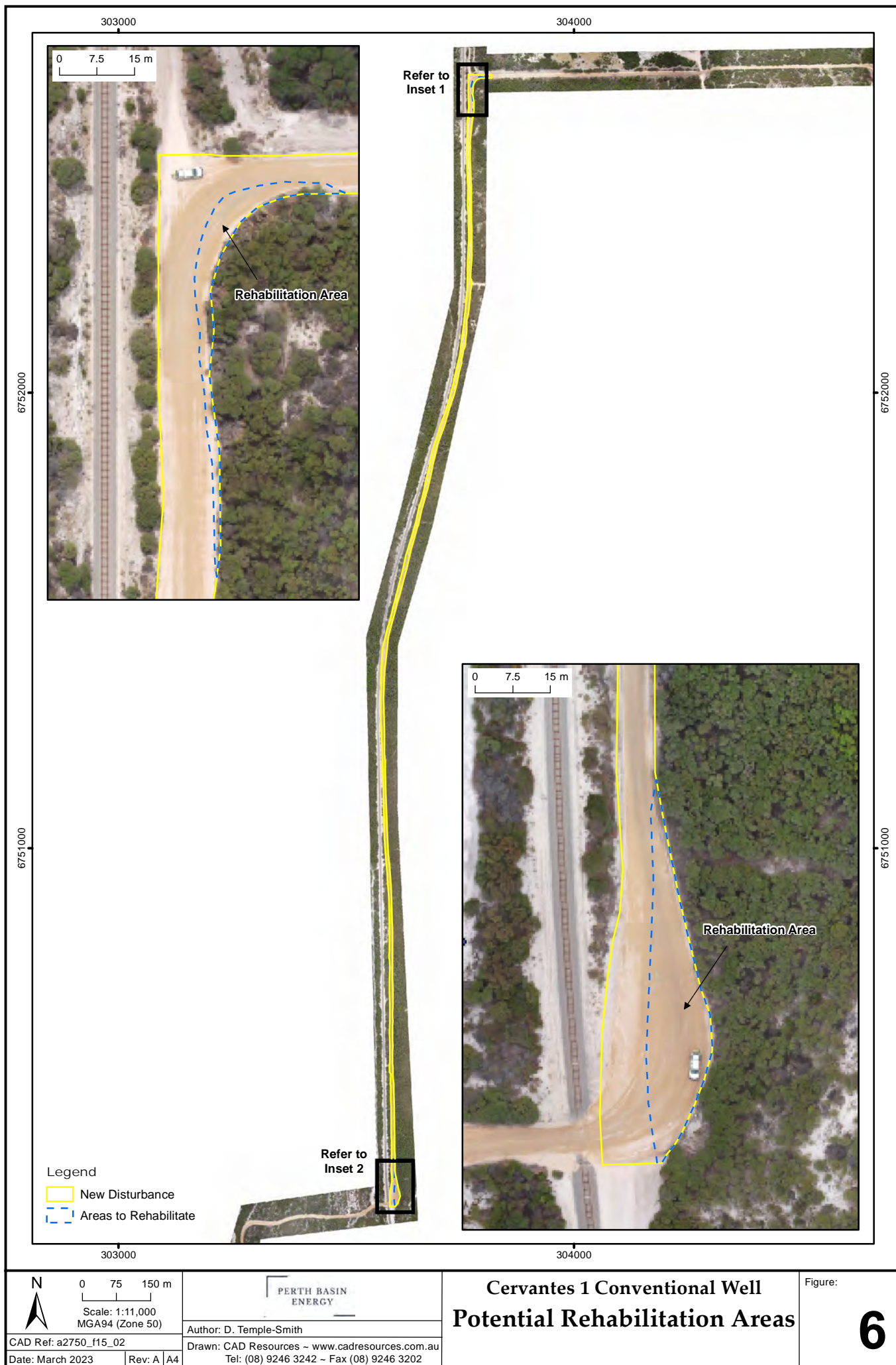
2.2 Decommissioning and Rehabilitation Domains

The infrastructure associated with the Cervantes 1 Project on DBCA land is divided into domains (Figure 5). Table 4 provides a description of the domain and the approach to decommissioning and rehabilitation.

Table 4: Cervantes 1 Decommissioning and Rehabilitation Domains

Domain/ Infrastructure	Description of Development	Proposed Decommissioning and Rehabilitation
Fire Breaks	500 m of 6 m width firebreak to be converted to 9 m width track by clearing vegetation and stockpiling topsoil (surface 10cm) into windrow adjacent to track with retained vegetation placed on top for respreading during rehabilitation. Sheet track with marl.	Retain track as strategic firebreak. Vegetation and topsoil retained during development to remain in-situ.
Access Tracks – existing	2,930 m of existing track (includes railway corridor) to be widened to 9 m. Clear and collect vegetation and stockpile topsoil into windrow. Any excess material will be used in rehabilitation of other areas with the same vegetation Type. The track will be graded, shaped and the subgrade will be compacted. The access track will be sheeted with a minimum of 150 mm of sheeting material and compacted and watered. The sheeting material to be used for this project is limestone marl which has been dieback interpreted as negative on the 22 nd September 2020.	The access track (where it has maintained its running surface width) to be retained for future use. Where the access track is wider (Figure 6), rehabilitation works will be undertaken on the widened portion of the access track; Remove marl, cultivate/rip soil to relieve any induced compaction and rehabilitate to native vegetation of the adjacent vegetation type (VT).
Access Track – new	Clear native vegetation (175 m x 9 m) and grade topsoil (surface 10cm) into windrow adjacent to track with vegetation placed on top for respreading during rehabilitation. Sheet track with marl.	Remove marl, cultivate/rip soil to relieve any induced compaction and rehabilitate the entire area to native vegetation of the adjacent VT. . At the railway junction, make track over the railway crossing sweep into existing northern track, blocking the rehabilitating track. Scarify soft sand track to nowhere from well pad running south 200m.
Well pad	Clear native vegetation (up to 160 m x 160 m) and grade topsoil (surface 10cm) into windrow to the edge of the well pad with vegetation placed on top for respreading during rehabilitation. Sheet well pad with marl.	Remove soil material (different from the topsoil) from the topsoil windrow on the northern side of the well pad from site with the mud sump materials. Remove marl, cultivate/rip soil to relieve any induced compaction and rehabilitate the entire area to native vegetation
Mud Sump	Lined sump on well pad	Remove muds and liner from site and recontour
Flare pit	Flare pit on well pad lined with low permeability earthen material.	Remove liner material for offsite disposal and recontour.
Groundwater Monitoring bore	Groundwater monitoring bore on well pad (~10m deep).	The groundwater monitoring bore will be decommissioned in accordance with Chapter 18 “Bore Decommissioning” of the Minimum Construction Requirements for Water Bores in Australia
Abandonment Plaque	Marker plaque to mark Cervantes 1 surface location	Leave in situ as per DMIRS requirement





3. Soil and Groundwater Protection

3.1 Soil Validation Sampling

Baseline soil samples will be taken during construction prior to commencement of drilling operations from selected areas around the site, including but not limited to:

- Base of the mud sump
- Refuelling areas
- Chemical and hydrocarbon storage areas
- Flare pit

The analytical suite will depend on the potential contaminating material in the area of sampling but in particular tests would include physical parameters, petroleum hydrocarbons and dissolved metals (eg. pH, salinity, total recoverable hydrocarbons, BTEX and heavy metals).

Once the exploration activities have ceased and during rehabilitation of the site, the specified areas will be resampled to characterise and validate the soil condition post exploration to ensure that activities have not impacted the native soils.

Contaminated soils will be removed from site prior to the completion of rehabilitation activities and further validation will be required until the site is clean.

3.2 Groundwater Validation Sampling

A groundwater monitoring bore will be installed down gradient (west) of the mud sump on the perimeter of the drill site. Water sample analysis for the analytes listed in Table 5 will be initially conducted prior to the commencement of drilling operations. The sampling will be conducted by a suitably qualified environmental technician with samples analysed by a NATA accredited laboratory and results provided to DMIRS and DBCA in AERs as per Sections 11.4.1 and 11.4.4 of the Cervantes 1 Conventional Oil Exploration Well Environment Plan [RCMA-02-EM-PLN-001].

The monitoring bore will be monitored within 3 months of the completion of drilling and 6-monthly thereafter until a final monitoring event following the later of decommissioning of the mud sump or P&A of the well.

Anomalous results will be investigated and any requirement for remedial action addressed in the form of a remediation plan.

Table 5: Groundwater Monitoring Parameters

Parameter	Analyte
Physical parameters	pH value, Dissolved Oxygen, Electrical Conductivity, Total Dissolved Solids, Total Hardness, Total Alkalinity (field measured)
Petroleum Hydrocarbons	benzene, toluene, ethylbenzene, speciated xylenes and naphthalene (BTEXN), C6-C40 total recoverable hydrocarbons (TRH), ethane and methane
Dissolved metals	aluminium, arsenic, barium, beryllium, boron, cadmium, chromium, hexavalent chromium, cobalt, copper, iron, lead, lithium, manganese, mercury, molybdenum, nickel, selenium, titanium, uranium, vanadium and zinc.

Parameter	Analyte
Nutrients	total nitrogen, total kjeldahl nitrogen (TKN), ammonia, nitrate, nitrite, total phosphorus and filterable reactive phosphorus
Major Cations	calcium, magnesium, potassium and sodium
Major Anions	chloride, sulphate, carbonate and bicarbonate

4. Risk Assessment

A risk assessment of attributes relevant to closure was undertaken using the process described in “a framework for developing mine-site completion criteria in Western Australia” (Young *et al.* 2019). Appendix A presents the risk rating matrix utilised and includes descriptions of the potential ‘likelihood of an event occurring’ and the potential ‘Consequence’ where the event occurs relevant to the overall ‘Risk rating’.

Table 6 presents the risk assessment for rehabilitation of the Cervantes 1 exploration well.

5. Rehabilitation Works

The rehabilitation works to be undertaken for the Cervantes 1 domains (Section 2.2) presented in Figure 5 are described below.

5.1 Hygiene

Hygiene requirements for rehabilitation activities will include:

- Earthmoving equipment inspection and clean down prior to mobilisation to site
- Establishment of a hygiene station (including lined pad, brushes/brooms and weatherproof container for inspection register)
- Hygiene Procedure [RCMA-02-EM-PRO-001] in place and Hygiene Inspection Log [RCMA-02-EM-FM-003] available at the hygiene station
- Vehicles and equipment to be used only within approved project footprint (areas specified in this Rehabilitation Plan)
- All Crew have undertaken the induction [RCMA-07-TM-FM-004]

5.2 Weed Control

To minimise the introduction of weeds into the rehabilitation vegetation, the access tracks and well-pad, and the topsoil and mulch stockpiles will be visually inspected for weeds and control implemented as required. Weed control will involve both ‘hand pulling’ and spot/target application of a general nonselective herbicide or in the case of grass weeds the application of a grass selective herbicide (Fusilade®).

To minimise the establishment of weeds in the rehabilitation, visual inspections will be made over the rehabilitation for weeds and subsequent controls implemented and involve both ‘hand pulling’ and spot/target application of a general nonselective herbicide.

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Table 6: Results of risk assessment for the Cervantes 1 exploration well Rehabilitation

Aspect	Issue	Likelihood	Consequence	Risk Rating	Rehabilitation practices
Soil & Groundwater Protection	Contamination	2	3	Low [L6]	Validation sampling undertaken at key stages Remedial Action prior to rehabilitation
Disturbance	Unauthorised 3rd party access	4	4	High [H16]	Restrict access with signage and fencing where appropriate
Stability	Erosion	4	3	High [H12]	Deep ripping, to alleviate compaction and facilitate infiltration. Application of stockpiled vegetation to soil surface.
Vegetation	Poor establishment	3	3	Moderate [M9]	Return of stockpiled topsoil. Application of stockpiled vegetation with retained seed to the soil surface. Monitoring with rectification work where required. Rectification works and supplementary seeding where required.
	Poor growth – foliage cover	3	2	Low [L6]	Deep ripping, to alleviate compaction.
Weeds	Weeds - spread or introduction	3	3	Moderate [M9]	Hygiene procedures. Monitoring with weed control where required
Dieback	Disease spread or introduction	2	2	Low [L4]	Hygiene procedures to prevent introduction to site.

5.3 Earthworks and Site Preparation

All muds will be taken from site. Validation sampling will be undertaken from the base of the sump, refuelling areas, chemical and hydrocarbon storage areas and the flare pit. Any contaminated material will be removed from site in accordance with the Cervantes 1 Conventional Well Oil Spill Contingency Plan [RCMA-02-EM-PLN-002].

The limestone marl from the well pad and decommissioned access tracks will be removed from BKNR utilising a front-end-loader and taken for re-use outside the conservation estate.

The well pad, flare pit and mud sump will be recontoured to achieve final landform.

The area to be rehabilitated will be ripped to a depth of approximately 50 cm to relieve induced compaction.

5.4 Topsoil return

The existing topsoil stockpiles will be spread evenly over the area to be rehabilitated. Topsoil will be spread back into areas with the same Vegetation Types to maximise the similarity with adjacent vegetation. The final surface will be lightly scarified to 20cm depth on contour to provide a friable seedbed and mitigate surface erosion.

5.5 Vegetation residues

The stockpiled vegetation will be spread over the surface of the scarified topsoil. The vegetation will be spread back into areas with the same Vegetation Types to maximise the similarity with adjacent vegetation.

5.6 Propagule Introduction

The primary method for reintroducing the native vegetation will be through the returned topsoils and vegetation with seed collected and stockpiled during site clearing. Previous rehabilitation activities within the area (Woodman Environmental 2009) have found the reintroduction of species is effective with the return of stockpiled topsoil and the overlay of stockpiled vegetation within 1-2 years from clearing.

6. Completion and Closure Criteria

6.1 Rationale and Approach

The proposed completion criteria are considerate of the original vegetation present on the site and reflect the performance of historical rehabilitation of similar vegetation communities within the coastal area of the Cervantes 1 well pad. The historical development (utilised as an analogue system) resulted in the removal of the native vegetation and topsoil, and excavation of the soil profile. Rehabilitation involved the replacement of the soil profile, topsoil and establishment of the vegetation (similar to the proposed Cervantes well pad rehabilitation process).

In developing the completion criteria for Cervantes 1 it was considered that previous projects involving areas of disturbance resulting from vegetation rolling or slashing associated with seismic data acquisition projects were not considered suitable for comparing rehabilitation performance where plants could regenerate from rootstock and the undisturbed topsoil seed bank. Despite these projects (eg. Denison 3D Seismic Survey) being located very close to or coinciding with the Cervantes-1 well location, they have not been included in the data comparison.

Additionally, reinstatement of tracks for Cervantes 1 will create long narrow areas of rehabilitation that were adjacent to or were originally components of tracks. The vegetation condition of these

areas has been identified as poorer than adjacent undisturbed vegetation in biological surveys and therefore final rehabilitation performance of these areas is not expected to achieve the same standard.

Data was selected for the most similar vegetation communities to that of the Cervantes 1 project area. The data for this analysis was sourced from surveys of replicate transects (comprising 10 quadrats of 2m x 2m) in rehabilitated buried pipeline corridor and in adjacent undisturbed vegetation.

The H1 vegetation community recorded in the nearby rehabilitation project area comprises;

‘Heath dominated by *Melaleuca ?leuropoma* (now known as *M. systema*) and *Melaleuca huegelii* subsp. *huegelii* over a herb layer dominated by sedge and daisy species on grey sand with limestone outcropping’

which is considered broadly similar to the Cervantes Well H8 vegetation community comprising,

Tall to mid open shrubland of *Acacia rostellifera*, *Melaleuca cardiophylla*, *Melaleuca huegelii* subsp. *huegelii* and *Santalum acuminatum* over low sparse shrubland of *Melaleuca systema* over low open sedgeland of *Gahnia* sp. Southwest (K.L. Wilson & K. Frank KLV 9266) on grey clayey sand in swales between dunes.

The T2 vegetation community recorded in the nearby rehabilitation project area comprises;

‘thicket of *Melaleuca huegelii* subsp. *huegelii* and *Melaleuca cardiophylla* over *Acanthocarpus preissii* over mixed low shrubs and daisies on grey sand on dune crests’

which is considered broadly similar to the Cervantes Well T3 vegetation community comprising,

Tall closed shrubland to low sparse shrubland of *Acacia rostellifera*, *Melaleuca cardiophylla*, *Melaleuca huegelii* subsp. *huegelii*, *Melaleuca systema*, *Olearia* sp. Kennedy Range (G. Byrne 66) over low sedgeland of *Lepidosperma calcicola* on flats of greybrown sandy loam.

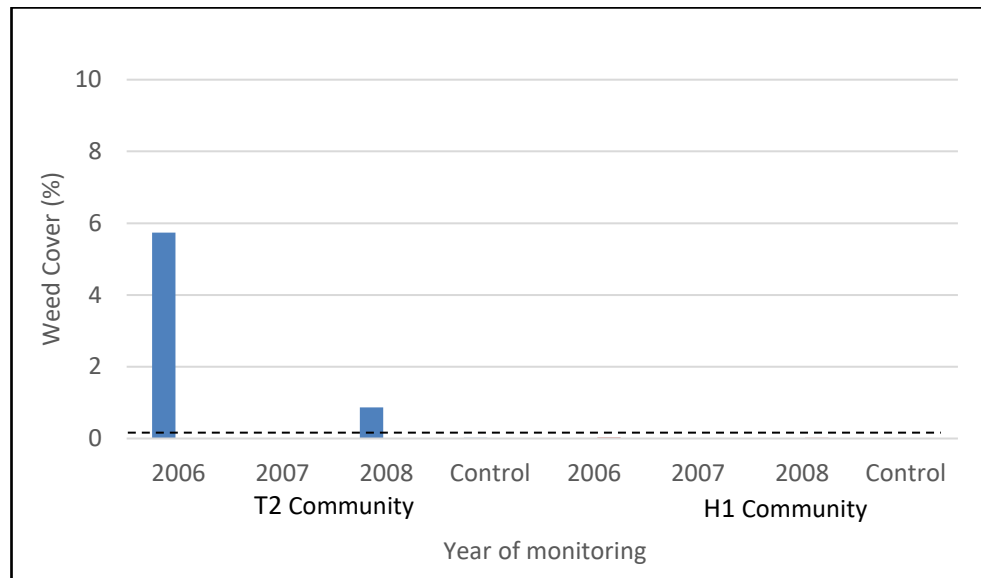
Data on rehabilitation of a vegetation community comparable to the W1 vegetation community recorded at Cervantes 1 was not available in the proximity of the Cervantes 1 well site to provide an indication of rehabilitation development. However, similar patterns of development observed within the T2 and H1 rehabilitation vegetation are anticipated to occur within the rehabilitated W1 community as some species overlap exists between the communities.

The following sections provide specific information on expected rehabilitation performance based on the mentioned local rehabilitation monitoring data.

6.1.1 Weeds

Figure 7 shows the changes in weed cover within the rehabilitated vegetation over time. Weed cover in control transects was very low. In some transects weed cover was relatively high in the initial rehabilitated vegetation, however declined over the three years of monitoring.

Figure 7: Changes in weed cover within rehabilitated vegetation of T2 and H1 communities over time compared with the undisturbed control vegetation



6.1.2 Native Plant Cover

Figure 8 shows the changes in native perennial species cover within the rehabilitated vegetation over time. Cover exceeded the proposed 10% completion criteria within 2 years of establishing the rehabilitation. For both rehabilitation communities the vegetation exhibited an increasing cover over the three-year monitoring period.

Figure 9 Presents the changes in native perennial species cover, as a percent (%)_ of the control, within the rehabilitated vegetation over time. This data indicates a Completion Criteria of 50 % of the control value would be an achievable level of perennial native plant cover to achieve within 3 years of rehabilitation work.

Figure 8: Changes in native perennial species cover within rehabilitated vegetation of T2 and H1 communities over time compared with the undisturbed control vegetation. The dashed line represents the completion criteria

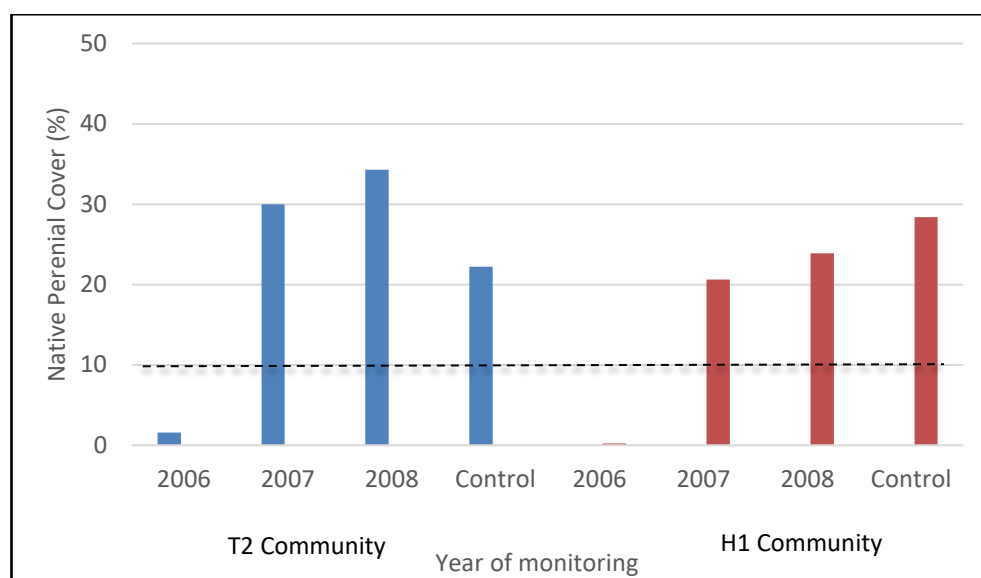
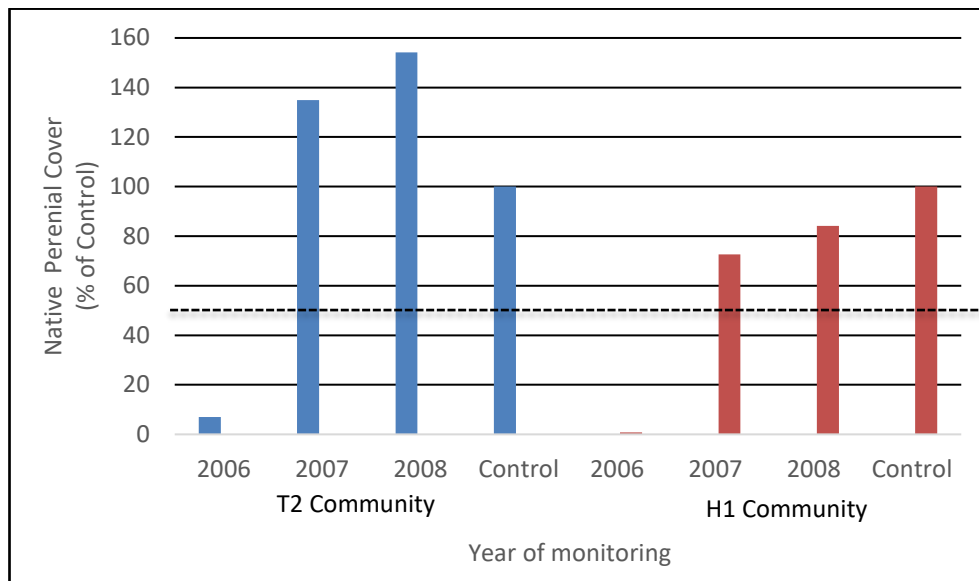


Figure 9: Changes in native perennial species cover within rehabilitated vegetation of T2 and H1 communities over time compared with the undisturbed control vegetation. The dashed line represents the completion criteria



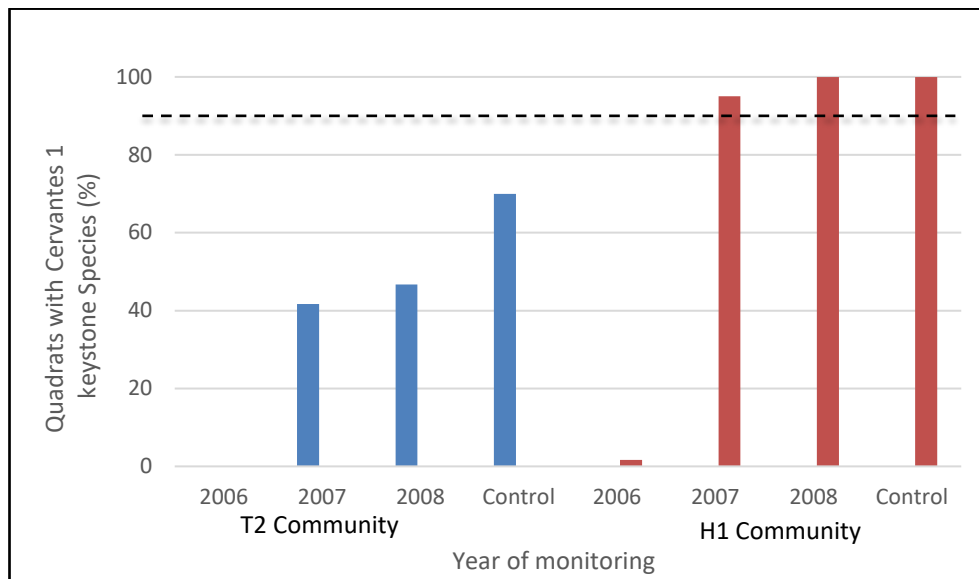
6.1.3 Key Stone Species

Key stone species for each vegetation type were identified as those species with a cover of greater than 1 % in the undisturbed areas from the baseline survey of the development envelope (Woodman Environmental 2020). The keystone species may be revised based on survey of the proposed control transects in undisturbed vegetation that will be used to assess the performance of the rehabilitation vegetation.

Figure 10 presents the change over time in the percentage of quadrats in the rehabilitation with the Cervantes 1 project area keystone species present. The H1 rehabilitation vegetation community achieved the proposed completion criteria of 90% within the three years of monitoring. However, the T2 rehabilitation community contained less of the keystone species from the Cervantes 1 project area indicating it is less similar to the T2 rehabilitation community present at Cervantes 1.

The presence of keystone species within monitoring quadrats at a high frequency provides an indication that the early rehabilitation vegetation supports the main floristic components of the target adjacent community. The assessment of the overall rehabilitation floristic diversity as native species richness is addressed in the following section.

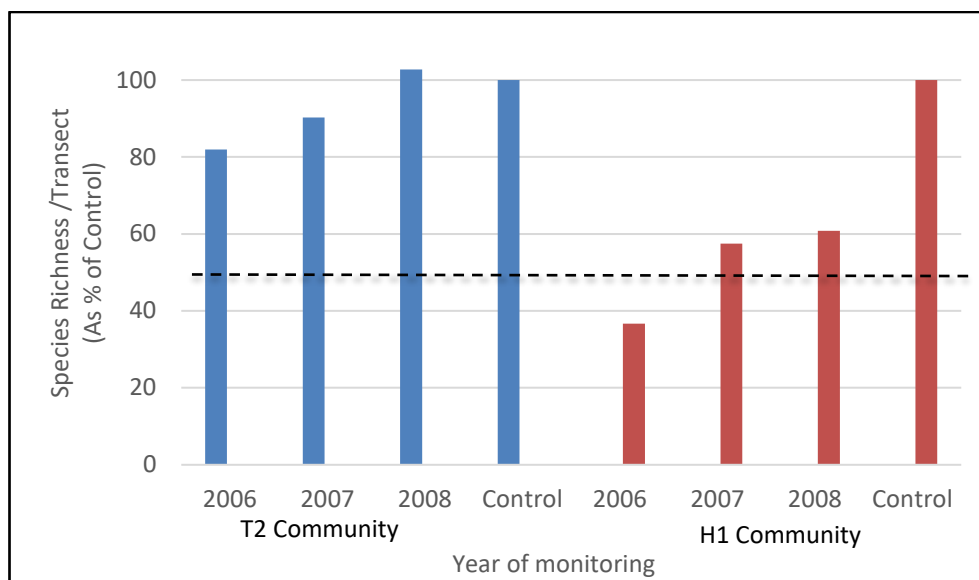
Figure 10: Changes the percentage of quadrats with keystone species present within rehabilitated vegetation of T2 and H1 communities over time compared with the undisturbed control vegetation. The dashed line represents the completion criteria



6.1.4 Species Richness

Figure 11 presents the changes over time in the native species richness of the rehabilitation vegetation. Both the T2 and H1 rehabilitation vegetation community achieved the proposed completion criteria of 50% within the three years of monitoring.

Figure 11: Changes in species richness present within rehabilitated vegetation of T2 and H1 communities over time compared with the undisturbed control vegetation. The dashed line represents the completion criteria



6.2 Completion Criteria

Table 7 presents the completion criteria for the Cervantes 1 site. The objective for rehabilitation is to achieve the completion criteria within 3 years following rehabilitation works. This Rehabilitation Plan will continue to be implemented until the completion criteria have been achieved.

Table 7: Completion Criteria

Aspect	Objective	Performance Standard	Rehabilitation Action	Measurement Criteria
Validation Sampling	To ensure that no contaminated material remains in the project area	Validation sampling is undertaken in accordance with Section 9.5 of the Cervantes 1 EP to confirm there is no contamination on site at: <ul style="list-style-type: none"> Base of the mud sump Refuelling areas Chemical and hydrocarbon storage areas Flare pit Locations of spills during the activity And that sampling continues until all contaminated material has been removed.	Conduct Validation Sampling prior to decommissioning the mud sump.	Validation Sample results confirm that all contaminated soil has been removed from site
			Remediate identified contamination in accordance with the Cervantes 1 Conventional Well Oil Spill Contingency Plan [RCMA-02-EM-PLN-002]	
Decommissioning	To ensure that all visual disturbances are removed by immediate remedial action to the greatest extent practicable, except where access is requested to be left open by DBCA	There should be no permanent markers (other than the well abandonment plaque), steel pegs or litter left on the rehabilitated area at any time following rehabilitation	Personnel remove all PBE items from the project area prior to and during rehabilitation.	Monthly workplace inspection record form [RCMA-02-SAF-FM-006] confirms there are no permanent markers or litter left on site
			PBE check that other remaining items do not belong to DBCA or Arc Infrastructure before removing from them from the Project Area.	
Infrastructure Reinstated				
	Widened tracks are reinstated to original width	Widened tracks to original width surfaced with marl.	Earthworks undertaken during rehabilitation to remove marl from widened access tracks	Post rehabilitation report documents widened portion of access tracks returned to original condition
	Firebreaks and tracks are retained surfaced with marl	Firebreaks and tracks are retained with marl to a standard agreed with DBCA	-	Post rehabilitation report documents marl retained on retained access tracks and firebreaks.
			Measures are taken to improve drainage at low points	Post rehabilitation report documents no problematic washaways
Landform	To reinstate the land topography to integrate with the surrounding landscape	The limestone marl from the well pad and “new” access tracks will be removed from BKNR and taken for use outside conservation estate.	Earthworks undertaken during rehabilitation remove marl from BKNR.	Post rehabilitation report documents location marl has been taken to
		Natural contours will be re-instated to pre-disturbance conditions upon rehabilitation	Earthworks undertaken during rehabilitation re-instate pre-disturbance contours	Post rehabilitation report documents natural contours have been re-instated to pre-disturbance conditions
		All areas to be rehabilitated will be ripped to a depth of approximately 50 cm to relieve compaction. The existing topsoil stockpiles will then be spread evenly over the area to be rehabilitated. The final surface will be lightly scarified to 20cm depth on contour to provide a friable seedbed and the stockpiled vegetation spread over the surface.	Preparation to be undertaken during rehabilitation to provide conditions for natural colonisation of vegetation.	Post rehabilitation report contains photos of the prepared surface.
		There will be no active erosion rills greater than 10 m x 0.15 m at three years following rehabilitation	Mitigate potential for erosion through:	Records of visual inspection and physical measurement of any points of erosion

Aspect	Objective	Performance Standard	Rehabilitation Action	Measurement Criteria
		Erosion patterns should be decreasing over time	<ul style="list-style-type: none"> Deep ripping to improve infiltration and Spreading of mulch over the topsoil surface. 	Annual Monitoring Report (as per section 9.5.1 of Cervantes 1 EP) documents any observations of active erosion rills Action to remediate active erosion rills recorded in the operating system CYBRIX (or alternate).
Vegetation	To re-establish pre-existing or comparable vegetation types consistent with adjacent undisturbed remnant vegetation	There should be no bare patches larger than 10 m ² after 12 months:	Potential for plant establishment enhanced through: <ul style="list-style-type: none"> Spreading of stockpiled topsoil over the soil surface and Spreading of mulch over the spread topsoil surface. 	Annual Monitoring Report (as per section 9.5.1 of Cervantes 1 EP) documents any observations of bare patches Action to remediate bare patches recorded in the operating system CYBRIX (or alternate).
		The foliage cover of weeds on rehabilitated areas is not greater than adjacent undisturbed remnant vegetation ^(Note 1) after 3 years	Mitigate potential for weeds in the rehabilitation through: <ul style="list-style-type: none"> Inspection for and control of weeds on access tracks and in topsoil and mulch stockpiles and Inspection and control of weeds during establishment phase of vegetation. 	Annual Monitoring Report (as per section 9.5.1 of Cervantes 1 EP) reports on assessment of covers in monitoring quadrats Rehabilitation closeout report or Re-rehabilitation report after 3 years
		Total native vegetation percentage cover of perennials should reach at least 50% of the control after 3 years for VTs. Native vegetation cover will show a pattern of increasing over time.	Enhance potential for plant growth through deep ripping	Annual Monitoring Report (as per section 9.5.1 of Cervantes 1 EP) reports on quadrat assessment Rehabilitation closeout report or Re-rehabilitation report after 3 years
		Keystone species a) The species richness of keystone species per transect is at least 50% of the control transects within three years. b) Keystone species richness in >90% of rehabilitating monitoring quadrats is not less than control monitoring quadrats within each vegetation type after three years NOTE: the list of keystone species for each vegetation type listed below may be revised following survey of control transects in adjacent undisturbed vegetation.	Enhance potential for species introduction through: <ul style="list-style-type: none"> Return of stockpiled topsoil from the same VT Spread of stockpiled mulch from the same VT and Application of seed collected from the same VT (where rehabilitation deferred for more than 2 years) 	Annual Monitoring Report (as per section 9.5.1 of Cervantes 1 EP) reports on quadrat assessment
		H8 <ul style="list-style-type: none"> <i>Melaleuca huegelii</i> subsp. <i>huegelii</i> <i>Gahnia</i> sp. <i>Southwest</i> (K.L. Wilson & K. Frank K LW 9266) <i>Melaleuca cardiophylla</i> <i>Melaleuca systema</i> <i>Acacia lasiocarpa</i> var. <i>lasiocarpa</i> <i>Acacia rostellifera</i> <i>Santalum acuminatum</i> 	Enhance potential for species introduction through: <ul style="list-style-type: none"> Return of stockpiled topsoil from the same VT Spread of stockpiled mulch from the same VT and Application of seed collected from the same VT (where rehabilitation deferred for more than 2 years) 	Rehabilitation closeout report or Re-rehabilitation report after 3 years
		T2 ^(Note 2) <ul style="list-style-type: none"> <i>Melaleuca huegelii</i> subsp. <i>huegelii</i> <i>Gahnia</i> sp. <i>Southwest</i> (K.L. Wilson & K. Frank K LW 9266) <i>Melaleuca cardiophylla</i> <i>Melaleuca systema</i> <i>Acacia lasiocarpa</i> var. <i>lasiocarpa</i> <i>Acacia rostellifera</i> <i>Santalum acuminatum</i> 		

Aspect	Objective	Performance Standard		Rehabilitation Action	Measurement Criteria
		T3	<ul style="list-style-type: none"> <i>Melaleuca cardiophylla</i> <i>Acacia rostellifera</i> <i>Melaleuca huegelii</i> subsp. <i>huegelii</i> <i>Lepidosperma calcicola</i> <i>Melaleuca systema</i> <i>Olearia</i> sp. <i>Kennedy Range</i> (G. Byrne 66) 		
		W1	<ul style="list-style-type: none"> <i>Eucalyptus obtusiflora</i> subsp. <i>dongarraensis</i> <i>Eucalyptus oraria</i> <i>Melaleuca cardiophylla</i> <i>Acacia rostellifera</i> <i>Melaleuca huegelii</i> subsp. <i>huegelii</i> 		
	Establish a diverse vegetation	Species richness of the rehabilitation is greater than 50% of monitoring transects within each vegetation type within three years		Enhance potential for a diverse vegetation through: <ul style="list-style-type: none"> Return of stockpiled topsoil from the same VT Spread of stockpiled mulch from the same VT and Application of seed collected from the same VT (where rehabilitation deferred for more than 2 years) 	Annual Monitoring Report (as per section 9.5.1 of Cervantes 1 EP) reports on transect assessment Rehabilitation closeout report or Re-rehabilitation report after 3 years
Disease	To prevent the introduction and spread of dieback disease (Phytophthora cinnamomi)	The occurrence of dieback disease within the project is no greater than prior to the project within 3 years of initiating rehabilitation.		Prevent introduction of disease to site through Hygiene Procedures, Hygiene Inspections and Site Induction	Annual Monitoring Report (as per section 9.5.1 of Cervantes 1 EP) reports on visual assessment
					Rehabilitation closeout report or Re-rehabilitation report after 3 years

Note 1-Tracks are affected by the weed load on the opposite side of the track. The “edge effect” in comparison with adjacent track edge will be considered for the application of this completion criteria on tracks

Note 2-The small area of VT T2 cleared (<500 m²) is not targeted for rehabilitation to T2 as the area disturbed is a very small strip and likely to represent an ecotone with VT H8.

6.3 Thresholds and Triggers

Table 8 presents the threshold criteria that provide a limit beyond which the rehabilitation outcomes are deemed not to have been achieved. It provides the trigger criteria that will provide an early warning that the rehabilitation outcomes are not likely to be met, how the criteria will be monitored and contingency measures that will be implemented if threshold or trigger criteria are met.

Table 8: Threshold and trigger criteria for rehabilitation outcomes

#	Threshold Criteria	Trigger Criteria	Monitoring	Contingency Measures
1.	No permanent markers, infrastructure or litter are left at rehabilitating sites on completion of rehabilitation	Permanent markers, infrastructure or litter is left at rehabilitation site at any time	Monthly inspections of rehabilitating sites confirm no foreign materials	Any foreign materials are removed from the rehabilitating site
2.	Natural contours are re-instated to pre-disturbance conditions upon rehabilitation as per pre-project survey	Contours do not appear to be pre-disturbance condition	Land survey confirms earthmoving equipment has achieved natural contours to pre-disturbance conditions	Earthworks will be undertaken again before proceeding with ripping and spreading of topsoil and vegetation
3.	No bare patches larger than 10 m ² after 3 years	Bare patches are larger than 10 m ² after 12 months	Annual rehabilitation monitoring confirms no bare patches larger than 10 m ² after 12 months	Re-rehabilitation options investigated (Section 10)
4.	The foliage cover of weeds on rehabilitated areas should not be greater than adjacent undisturbed remnant vegetation ^(Note 1) after 3 years	Weed control program is not managing weeds in rehabilitation areas to foliage cover less than 80% of adjacent undisturbed remnant vegetation ^(Note 1)	Annual rehabilitation monitoring confirms weeds in rehabilitation areas are not greater than on adjacent undisturbed remnant vegetation ^(Note 1)	Weed control program in particular 2 weeks after each rainfall event
5.	Total native vegetation percentage cover of perennials should reach at least 50% of the control after 3 years for VTs	Total native vegetation percentage cover of perennials is less than 40%	Annual rehabilitation monitoring confirms total native vegetation percentage cover of perennials is at least 50% of the control	Re-rehabilitation options investigated (Section 10)
6.	Native vegetation cover shows a pattern of increasing over time	Native vegetation cover is not increasing over time	Annual rehabilitation monitoring confirms native vegetation cover is increasing over time	Re-rehabilitation options investigated (Section 10)
7.	The species richness of keystone species per monitoring plot is at least 50% of the control monitoring plot within 3 years	Species richness of keystone species is less than 40% of the control monitoring plots	Annual rehabilitation monitoring confirms species richness of keystone species is at least 50% of the control monitoring plot	Re-rehabilitation options investigated (Section 10)
8.	Keystone species richness in >90% of rehabilitating monitoring quadrats is not less than control monitoring quadrats within each vegetation type after three years	There are no keystone species represented (as % cover) in >25% of monitoring quadrats within each VT	Annual rehabilitation monitoring confirms at least one of the keystone species is represented (as % cover) in >90% of monitoring quadrats within each VT	Re-rehabilitation options investigated (Section 10)
9.	Species richness of the rehabilitation is greater than 50% of monitoring transects within each VT within 3 years	Species richness of the rehabilitation is greater than 50% of monitoring transects within each VT	Annual rehabilitation monitoring confirms species richness of the rehabilitation is greater than 50% of monitoring transects within each VT	Re-rehabilitation options investigated (Section 10)
10.	The occurrence of dieback within the project is no greater than prior to the project within 3 years of initiating rehabilitation	Suspect susceptible flora deaths	Monthly inspections of project area vegetation confirm no suspect deaths Annual rehabilitation monitoring checks for visual signs of dieback Triennial dieback interpretation of vulnerable areas in project area	Hygiene measures to protect susceptible areas

^{Note 1}-Tracks are affected by the weed load on the opposite side of the track. The “edge effect” in comparison with adjacent track edge will be considered for the application of this completion criteria on tracks”

6.4 Rationale for the choice of the early response indicator

The rationale for the early warning criteria indicated in Table 8 are presented in Table 9.

Table 9: Early Warning Criteria Rationale

#	Trigger Criteria	Rationale
1.	Permanent markers, infrastructure or litter is left at rehabilitation site at any time	Permanent markers, infrastructure and litter left in BKNR can create a hazard for purpose of future land use (conservation of flora and fauna) so the early warning criteria has been selected at no items in BKNR
2.	Contours do not appear to be pre-disturbance condition	Unnatural contours result in erosion issues and poor establishment of vegetation. The early warning criteria has been selected to pre-disturbance condition
3.	Bare patches are larger than 10 m ² after 12 months	Bare patches reflect poor rehabilitation coverage and create openings for weed invasion. The early warning criteria has been selected as the final goal at one year increment to test progress with this milestone
4.	Weed control program is not managing weeds in rehabilitation areas to foliage cover less than 80% of adjacent undisturbed remnant vegetation	The weed control program is to manage weeds to <100% of weed foliage cover in rehabilitation areas as the threshold. The early warning criteria has been selected at 80% to ensure that weed control efforts can be amplified to address issues
5.	Total native vegetation percentage cover of perennials is less than 40%	One of the core aims of the rehabilitation is to recover native vegetation cover of perennials. The early warning criteria has been selected to gauge progress towards the total cover required at three years
6.	Native vegetation cover is not increasing over time	This early warning criteria is to test the progress of native vegetation cover recovery.
7.	Species richness of keystone species is less than 40% of the control monitoring plots	One of the core aims of the rehabilitation is to recover keystone species. The early warning criteria has been selected to gauge progress towards the richness required at three years
8.	There are no keystone species represented (as % cover) in >25% of monitoring quadrats within each VT	
9.	Species richness of the rehabilitation is greater than 50% of monitoring transects within each VT	One of the core aims of the rehabilitation is to recover species richness of the rehabilitation. The early warning criteria has been selected to this
10.	Suspect susceptible flora deaths	The early warning criteria of susceptible flora deaths has been selected to provide a trigger for confirmatory sampling for dieback.

7. Rehabilitation Schedule

Table 10 indicates the proposed schedule of activities for the Cervantes 1 rehabilitation.

Table 10: Cervantes 1 Rehabilitation Schedule

Activity	Indicative Timing
Demobilisation of Rig ^{1,3}	Mid Quarter 2 CY2022
Well (Future) Decision for Development ¹	Quarter 2 CY2022
Undertake P&A of well ²	Quarter 2 CY2022
Finalise Rehabilitation Plan	First summer following P&A (eg. Quarter 1 CY2023)
Mud Sump Decommissioning	Quarter 1 CY2023
Rehabilitation	First autumn following P&A (eg. Late Quarter 1 / Early Quarter 2 CY2023 ³)
Remove marl	April 2023
Deep ripping and surface cultivation	April 2023
Complete, topsoil return and vegetation material spreading	(April 2023)
Establish rehabilitation performance monitoring quadrats	May / June 2023
Initial establishment monitoring for erosion, weeds and plant establishment	(June/July 2023)
Conduct weed control if required	(August 2023)
Assessment of monitoring quadrats and assess	(September/October 2024)
Year 2 Post Rehabilitation Activity – Monitoring Program	September/October 2025
Year 3 Post Rehabilitation Activity – Monitoring Program	September/October 2026
Year 4 Post Rehabilitation Activity	Anticipate completion criteria achieved in Year 3 Contingency for rectification and further monitoring

8. Responsibility and Accountability

8.1 Responsibilities

The PBE Operations Manager has overall responsibility for the safe and environmentally acceptable management of the operation. The Project Manager must ensure that the commitments and requirements of this Rehabilitation Plan are implemented. All personnel, contractors and visitors must adhere to the requirements of this Rehabilitation Plan.

8.2 Rehabilitation Supervision

Reporting to the Project Manager, a suitably qualified environmental professional will supervise rehabilitation works.

8.3 Training

Training on relevant sections of this Rehabilitation Plan will be incorporated into the Cervantes 1 Induction [RCMA-07-TM-FM-004]. Upon completion, trained personnel will be signed off and recorded in the training log along with the date and the specific induction for which training was conducted. All personnel and contractors are required to undertake the induction.

9. Monitoring

9.1 Routine Site Inspection

Routine site inspections are undertaken as per Table 11 in accordance with the requirements of the Cervantes 1 Conventional Oil Exploration Well Environment Plan [RCMA-02-EM-PLN-001].

Table 11: Routine Site Inspections

#	Stage	Frequency	Inspection Requirement
5.1.4	Care & Maintenance	Weekly	Visual Site Inspection documented on the wellsite section of the workplace inspection checklist [RCMA-02-SAF-FM-006]
5.1.5	Decommissioning / Rehabilitation	Daily	Ground Condition Checks as part of Daily Vehicle Checks
5.1.6	Post Decommissioning / Rehabilitation Activity	On Activity	Decommissioning / Rehabilitation Plan Check

9.2 Compliance Auditing

Auditing of the management measures outlined in this Rehabilitation Plan shall be undertaken as part of the Annual Internal Environmental Audit (AIEA). Persons responsible for environmental auditing will be suitably qualified. Where audit findings show that environmental management actions are not effective, the audit may recommend changes to procedures. The AIEA will be undertaken as per the schedule in Table 12.

Table 12: Environmental Auditing

#	Timing
5.2.3	During remediation / rehabilitation activities
5.2.4	To continue annually where no activities are being undertaken on site until completion criteria has been achieved - AIEA

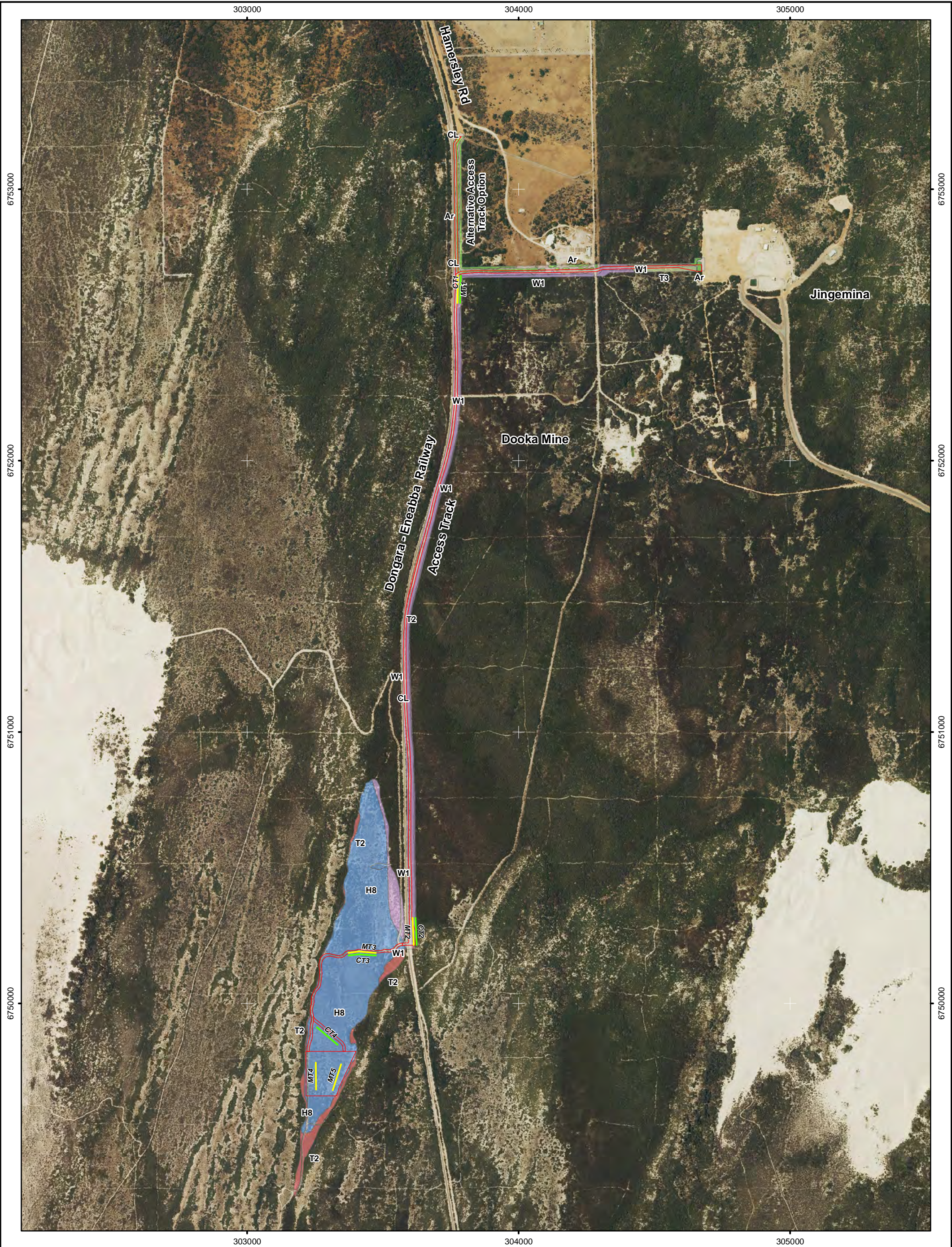
9.3 Rehabilitation Monitoring

A program of rehabilitation monitoring will be conducted by a suitably qualified environmental professional initially 2 to 3 months following rehabilitation and then on an annual basis. The monitoring program is based on historical monitoring of rehabilitation in the area with some modifications. The locations of monitoring sites are presented in Figure 12.

- 2 permanent transects 48m long comprising 12 2m x 2m quadrats within the rehabilitated areas of access track (transects are short as the area of rehabilitation is small)
- 2 paired permanent transects 48m long comprising 12 2m x 2m quadrats adjacent to the rehabilitated areas of access track (transects are short as the area of rehabilitation is small)
- 1 permanent transects 100m long comprising 25 2m x 2m quadrats across access track north of the well pad
- 1 paired permanent transects 100m long comprising 25 2m x 2m quadrats as control for the access track running immediately parallel
- 2 permanent transects 100m long comprising 25 2m x 2m quadrats running north south over the rehabilitating drill site
- 1 control transect 100m long comprising 25 2m x 2m quadrats immediately north of the drill site

For the annual spring monitoring, a total of 5 permanent transects (3 transects 100m² comprising 25 2m x 2m quadrats and 2 transects 48m² comprising 12 2m x 2m quadrats) will be assessed over the 3.02 ha of rehabilitation. An additional 4 paired permanent transects in proximity to each rehabilitation transect will be assessed in adjacent undisturbed native vegetation to provide a control (see Figure 12 showing indicative location of monitoring transects). Permanent monitoring transects will be placed within the vegetation communities H8 and W1.

Additional survey of rehabilitation areas outside of quantitative monitoring transects will occur and will focus on ensuring that the rehabilitation performance is consistent across the area (plant cover and species richness) and that any potential constraints such as weeds or bare areas receive appropriate remediation.



The requirements of the monitoring are presented in Table 13.

Table 13: Weed, Dieback and Rehabilitation Monitoring

Aspect	Monitoring
Initial establishment	<p>Establishment inspection June/July</p> <p>A visual inspection of rehabilitation areas will be undertaken to identify any areas of erosion, weeds and bares areas. Identification of areas with inadequate establishment of vegetation enables early intervention with rectification work to return the rehabilitation to a trajectory for meeting the completion criteria.</p>
Vegetation	<p>Annual monitoring in Spring (September/October):</p> <ul style="list-style-type: none"> Assess vegetation within permanent monitoring transects for both the rehabilitation and adjacent native vegetation. Figure 12 shows the proposed indicative location of the 9 monitoring transects comprising: <ul style="list-style-type: none"> Three transects in H8 rehabilitation (H8 well pad and rehabilitated track) and two transects (controls) in adjacent H8 native vegetation. Two short transects in W1 track rehabilitation and two short transects (controls) in adjacent W1 native vegetation. Record the following data in each quadrat: <ul style="list-style-type: none"> Total cover of each native plant species, and Total cover of weed species. Cover of Keystone species Photograph of each transect Walk through rehabilitation and along tracks will be undertaken to provide an assessment over the entire rehabilitated area. Areas with inadequate establishment of vegetation will be recorded with GPS locations for follow up rectification work to return the rehabilitation to a trajectory for meeting the completion criteria. The rehabilitation will be visually assessed for: <ul style="list-style-type: none"> bare areas weeds signs of dieback disease additional taxa not recorded within plots and transects.
Erosion	<p>Visual inspection over the site with GPS record of locations and physical measurement (regular monitoring) of any points of erosion</p>

Should the monitoring results indicate the rehabilitation is not progressing towards completion criteria, an assessment will be made to determine rectification requirements.

The rehabilitation monitoring program will cease after 3 years when the rehabilitation objectives and completion criteria have been achieved in consultation with DMIRS and DBCA. Should the rehabilitation not meet the criteria, a rectification plan will be developed and implemented, with monitoring continuing until the rehabilitation objectives and completion criteria have been achieved.

The results of these management and monitoring activities will be detailed in the Annual Environmental Report (AER).

The monitoring program will be reviewed in consultation with DBCA and DMIRS on an annual basis.

10. Maintenance and Rectification

The annual monitoring program will identify any maintenance or rectification work required (such as erosion control, weed control, reseeding etc). This information will be used to develop and implement the rectification work plan.

Where rehabilitation efforts have been unsuccessful after a period of three years, options will be investigated including but not limited to:

- Seeding
- Planting
- Mulching
- Ripping
- Irrigating

11. Stakeholder Consultation

PBE has consulted with key stakeholders in relation to its Cervantes 1 exploration activities. These stakeholders have included:

- DMIRS
- Environmental Protection Authority (EPA)
- DBCA
- Shire of Irwin
- ARC Infrastructure
- Public Transport Authority
- Yamatji Marlpa Aboriginal Corporation (YMAC)
- Yamatji Southern Regional Corporation (YSRC)
- Neighbouring hydrocarbon facility and permit owners
- Landowners

Appendix C summarises the key consultation events, topics raised and responses.

PBE will continue to engage with stakeholders for the life of the Cervantes 1 Project.

12. Reporting

12.1 Non-Compliance Reporting

Environmental incidents shall be reported and investigated as soon as practicable following identification, enabling effective actions to be implemented without delay. Environmental incidents are defined as events that cause or could potentially cause harm to the environment. Rehabilitation incidents and reporting protocols are included in Table 14. Further information is contained in the Cervantes 1 Conventional Well Environment Plan [RCMA-02-EM-PLN-001].

12.2 End of Rehabilitation Internal Report

On completion of any rehabilitation activities, an End of Rehabilitation Report [RCMA-02-EM-TRG-002] (Appendix D) will be submitted by the Rehabilitation Supervisor to the Project Manager. This report will be included in the AER submitted to DMIRS.

12.3 Annual Environmental Report

An AER is submitted to DMIRS annually under Regulation 16 of the *Petroleum and Geothermal Energy Resources (Environment) Regulations 2012*. The AER requires details of:

- Activities that have been undertaken
- Clearing or rehabilitation that has been undertaken
- Compliance for each objective and standard in the EP (includes compliance with Rehabilitation Plan)
- Audits undertaken
- Incidents that have occurred
- Monitoring results

The AER will also be provided to the DBCA and Environmental Protection Authority.

13. Adaptive Management and Rehabilitation Plan Review

The need for adaptive management may be recognised in the following ways:

- Personnel undertaking routine tasks
- Routine Site Inspections (Section 9.1)
- Compliance Audit (Section 9.2)
- Rehabilitation Monitoring (Section 9.3)
- Near miss incidents
- Incidents
- Reaching a trigger (Section 6.3)
- Breaching a threshold (Section 6.3)

The Rehabilitation Plan is to be reviewed and revised and approved by the EPA in consultation with the EPA, DBCA and DMIRS:

- When there is a change in the details of the Rehabilitation Plan, or
- When the need for adaptive management not covered in this plan is recognised
- When there is a change in rehabilitation circumstances, or
- As and when directed by the EPA.

PBE shall implement the latest version of this plan, which the EPA CEO has confirmed by notice in writing, satisfies the requirements of Ministerial Statement 1178. Minor revisions must be treated in accordance with conditions 9-5 and 9-6 of Ministerial Statement 1178.

Management Plans must be provided in electronic form suitable for publication on the EPA website within ten (10) business days of endorsement, and also be provided on the proponent's website.

The proponent must cease to implement any revisions which the CEO notifies the proponent in writing may not be implemented.

Table 14: Environmental Incident Reporting

Report	Type of Incident	Frequency	Contact
PBE Reporting	<ul style="list-style-type: none"> All incidents 	Upon discovery	Project Supervisor
DMIRS Reportable Incident	<ul style="list-style-type: none"> Illegal clearing Fire initiating from Cervantes 1 activity 	Within two hours of incident followed by a detailed written report within 3 days	In writing to petroleum.environment@dmirs.wa.gov.au or verbally on (08) 9222 3727
EPA Services Non-compliance Report	<ul style="list-style-type: none"> A limit, outcome or threshold criteria contained the Ministerial Conditions or this HMP has or is likely to be exceeded 	Within 7 days of PBE becoming aware of followed by a further report within 21 days	CEO of the EPA: compliance@dwer.wa.gov.au
DMIRS Recordable Incident Report	<ul style="list-style-type: none"> Noncompliance with Rehabilitation MP 	Monthly (within 15 days of the end of the reporting period)	petroleum.environment@dmirs.wa.gov.au in the recordable incident report template
DBCA Notification	<ul style="list-style-type: none"> Fire in conservation estate 	Verbal notification immediately (mandatory)	DBCA Turquoise Coast District Duty Officer 0417 182 618
	<ul style="list-style-type: none"> Illegal impact to flora Weed infestation Fire in conservation estate Noncompliance with Rehabilitation MP 	ASAP	Regional Manager 08 9964 0901 GeraldtonEnquires@dbca.wa.gov.au Manager EMB 08 9219 9500 EMBAdmin@dbca.wa.gov.au

14. References

Woodman Environmental (2009). Cliff Head Pipeline Rehabilitation Completion Monitoring Report. Spring Assessment 2008. Unpublished Report to ROC OIL Pty Ltd.

Woodman Environmental (2020) Cervantes 1 Conventional Well Spring Targeted Flora Survey October 2020) .Unpublished report for RCMA Australia PTY LTD.

Young, R.E., Manero, A., Miller, B.P., Kragt, M.E., Standish, R.J., Jasper, D.A., & Boggs, G.S. (2019). A framework for developing mine-site completion criteria in Western Australia: Project Report. The Western Australian Biodiversity Science Institute, Perth, Western Australia.

Appendix A Risk Ranking Matrix

Table A1: The qualitative risk rating matrix (from Young *et al.* 2019)

		Consequence					Risk Rating
Likelihood		1 Insignificant	2 Minor	3 Moderate	4 Major	5 Catastrophic	
1	Rare	VL1	VL2	L3	M5	M10	Very low
2	Unlikely	VL2	L4	L6	M7	H11	Low
3	Possible	L3	L6	M9	H12	H15	Moderate
4	Likely	L4	M8	H12	H16	E20	High
5	Almost Certain	M5	M10	H15	E20	E25	Extreme

Table A2: Definition for Likelihood levels (from Young *et al.* 2019).

Level	Rating	Description	Probability of occurrence	Frequency of occurrence
5	Almost Certain	Common or frequent event; expected/ proven to occur in most circumstances	>90%	Monthly occurrence
4	Likely	Has been known to occur; expected/ proven to occur in many circumstances	50 to 90%	Yearly occurrence
3	Possible	Has happened in the past; expected/ proven to occur in some circumstances	20 to 50%	1 in 10 year occurrence
2	Unlikely	Not likely to occur; expected/ proven to occur in infrequent circumstances	1 to 20%	1 per 25 year occurrence
1	Rare	Very rare; expected/ proven to occur under rare circumstances	<=1%	1 per 100 year occurrence

Table A3: Definition for Consequence levels for environmental risks (modified from Young *et al.* 2019)

Level	Description
1	Insignificant Negligible reversible environmental impact requiring very minor remediation
2	Minor Minor reversible environmental impact requiring minor remediation
3	Moderate Moderate, reversible environmental impact with short-term effect requiring moderate remediation
4	Major Serious environmental impact with medium term effect requiring significant remediation
5	Catastrophic Disastrous environmental impact with long-term effect requiring major remediation

Appendix B Keystone Species Seed Mix

VT	Keystone Species
H8	<ul style="list-style-type: none"> • <i>Melaleuca huegelii</i> subsp. <i>huegelii</i> • <i>Gahnia</i> sp. <i>Southwest</i> (K.L. Wilson & K. Frank K LW 9266) • <i>Melaleuca cardiophylla</i> • <i>Melaleuca systema</i> • <i>Acacia lasiocarpa</i> var. <i>lasiocarpa</i> • <i>Acacia rostellifera</i> • <i>Santalum acuminatum</i>
T2	<p>(Note 1)</p> <ul style="list-style-type: none"> • <i>Melaleuca huegelii</i> subsp. <i>huegelii</i> • <i>Gahnia</i> sp. <i>Southwest</i> (K.L. Wilson & K. Frank K LW 9266) • <i>Melaleuca cardiophylla</i> • <i>Melaleuca systema</i> • <i>Acacia lasiocarpa</i> var. <i>lasiocarpa</i> • <i>Acacia rostellifera</i> • <i>Santalum acuminatum</i>
T3	<ul style="list-style-type: none"> • <i>Melaleuca cardiophylla</i> • <i>Acacia rostellifera</i> • <i>Melaleuca huegelii</i> subsp. <i>huegelii</i> • <i>Lepidosperma calcicola</i> • <i>Melaleuca systema</i> • <i>Olearia</i> sp. <i>Kennedy Range</i> (G. Byrne 66)
W1	<ul style="list-style-type: none"> • <i>Eucalyptus obtusiflora</i> subsp. <i>dongarraensis</i> • <i>Eucalyptus oraria</i> • <i>Melaleuca cardiophylla</i> • <i>Acacia rostellifera</i> • <i>Melaleuca huegelii</i> subsp. <i>huegelii</i>

Note 1-The small area of VT T2 cleared (<500 m²) is not targeted for rehabilitation to T2 as the area disturbed is a very small strip and likely to represent an ecotone with VT H8.

Appendix C Stakeholder Consultation Register

Stakeholder	Date	Type of Consultation	People Involved	Summary of Discussions	Outcomes of Consultation
DMIRS Environment	14/10/2019	Meeting	Ken Aitken (RCMA) Stan Bowes (DMIRS) Jacqui Middleton (DMIRS) Rohan Kok (DMIRS)	Cervantes 1 Proposal	MEL to Meet with EPA MEL to Appoint Environmental Professional MEL to prepare Env applications with DMIRS/EPA in parallel MEL to plan a cross functional planning meeting with all regulatory departments present in early November.
DMIRS Environment	16/10/2019	Email	Ken Aitken (RCMA) Stan Bowes (DMIRS) Jacqui Middleton (DMIRS) Rohan Kok (DMIRS) David Maher (Jade) Aveline Chan (RCMA) Chris Newport (RCMA)	Follow up to DMIRS Environment Meeting on Cervantes 1 Proposal	Documentation of Actions from Meeting: <ul style="list-style-type: none"> Meet with EPA within next 5-7 working days Appoint Environmental Professional before end of October Proceed preparing environmental applications with DMIRS/EPA in parallel on appointing environment professional Plan a cross functional planning meeting with all regulatory departments present in early November
DMIRS Environment	17/12/2019	Meeting	Ken Aitken (RCMA) Stan Bowes (DMIRS) Jacqui Middleton (DMIRS) Rohan Kok (DMIRS) Andrea Wills (RCMA)	Cervantes 1 Proposal Update <ul style="list-style-type: none"> Drilling surface location envelope identified Surveys underway Referral being drafted EP being compiled 	EP and OSCP to be submitted with referral end of January 2020
DMIRS Environment	20/02/2020	Meeting	Ken Aitken (RCMA) Stan Bowes (DMIRS) Jacqui Middleton (DMIRS) Rohan Kok (DMIRS) Andrea Wills (RCMA) Chris Newport (RCMA)	Cervantes 1 Proposal Update <ul style="list-style-type: none"> Cervantes 1 Referral Update EP and OSCP update, Metgasco have an office in West Perth 	Consensus for RCMA to submit EP and OSCP once supporting documentation has gone to DBCA
DMIRS Environment	24/07/2020	Online Database Email	EARS Andrea Wills (RCMA)	Submission of the Cervantes 1 Conventional Oil Exploration Well Environment Plan, Environment Plan Summary and Oil Spill Contingency Plan.	Application Summary received by email via adam@refinegroup.com.au
DMIRS Environment	19/08/2020	Email Phone	Laura Burns (DMIRS) Andrea Wills (RCMA)	DMIRS Request for further information on the Cervantes 1 Conventional Oil Exploration Well Environment Plan and Oil Spill Contingency Plan.	A phone discussion on rehabilitation was had on the 09/09/2020 to clarify the corresponding actions.
DMIRS Environment	24/09/2020	Phone	Laura Burns (DMIRS) Andrea Wills (RCMA)	RCMA queries on two of DMIRS requests for information <ul style="list-style-type: none"> Queries in regard to fauna management were relevant to a new marl pit. It wasn't clear in the EP that the marl pit was existing. This should be stated more clearly in the EP. The requirement for moderate is on the RCMA matrix and not on the sample DMIRS matrix despite the overly conservative RCMA matrix. 	DMIRS satisfied for RCMA to resubmit EP late October with Flora survey results only as long as heritage commitments have been included.
DMIRS Environment	19/10/2020	Phone	Stan Bowes (DMIRS) Andrea Wills (RCMA)	RCMA called DMIRS to ask for a contact in the Resources Safety Branch. DMIRS referred RCMA to Bruce Franzi. RCMA gave DMIRS an update on the progress of the Cervantes 1 project.	RCMA to contact Bruce Franzi
DMIRS Environment	20/10/2020	Phone	Laura Burns (DMIRS) Andrea Wills (RCMA)	RCMA gave DMIRS an update on the status of the Spring Survey and proposed resubmission of the EP and OSCP.	RCMA to resubmit EP and OSCP end of October
DMIRS Environment	28/10/2020	Phone	Laura Burns (DMIRS) Andrea Wills (RCMA)	RCMA has resubmitted the OSCP (22/10/2020) and EP (26/10/2020) however the contact directory, which has not been amended since the last submission was not uploaded with the OSCP. DMIRS advised to email the contact directory through. RCMA asked about the 15A referral which DMIRS advised would not be sent until RCMA put in their Titles Compliance Branch Application.	RCMA to email contact directory to DMIRS and follow up Titles Compliance Branch Application within RCMA.

Stakeholder	Date	Type of Consultation	People Involved	Summary of Discussions	Outcomes of Consultation
DMIRS Environment	10/11/2020 & 11/11/2020	Phone and email	Andrea Wills (RCMA) Laura Burns (DMIRS)	RCMA enquired whether Laura Burns could follow up with Petroleum Titles in regard to the Section 15A process as Titles had provided some confusing advice which indicated that it is the Environment Division who undertake this Referral.	DMIRS Followed up with Titles and advised by phone call on 11/11/2020 that the Resource Tenure Branch will be responsible for progressing any required section 15A referrals. This was followed up with an email with the Resource Tenure Branch contact.
DMIRS Environment	16/11/2020	Email & Phone	Laura Burns (DMIRS) Andrea Wills (RCMA)	DMIRS requested additional modifications on Rev 2 of the Environment Plan. RCMA contacted DMIRS by phone 17/11/2020 to discuss each request individually. Each item was discussed and consensus on how the item was to be addressed was achieved.	RCMA to modify the EP to address each item raised.
DMIRS Environment	18/11/2020	Phone	Laura Burns (DMIRS) Andrea Wills (RCMA)	DMIRS contacted RCMA to advise that a clearing permit would be required if the EPA did not assess the Cervantes 1 proposal. RCMA advised DMIRS that the clearing was exempt under Regulation 5 item 24 of the Clearing of Native Vegetation Regulations. DMIRS advised that Cervantes is in a Schedule 1 area, so it was not exempt. RCMA advised that Item 24 was clearing for Petroleum Exploration and not low impact petroleum activities which Schedule 1 applied to.	DMIRS were not aware of this provision and were going to follow up.
DMIRS Environment	18/11/2020	Email	Andrea Wills (RCMA) Laura Burns (DMIRS)	RCMA forwarded a copy of the Hygiene Management Plan and the Marl Assessment Report to DMIRS in response to query 18 sent through 16/11/2020.	DMIRS acknowledged receipt of the reports.
DMIRS Environment	15/12/2020	Phone	Andrea Wills (RCMA) Laura Burns (DMIRS)	RCMA enquired whether DMIRS received Rev 3 of the Cervantes 1 EP. DMIRS has received EP and will be assessing it either before or after the Christmas break. However, the EP will not be approved until the EPA decision and 15A processes are complete. DMIRS enquired whether there were any updates from EPA or DBCA. RCMA advised that EPA had received advice from DBCA and were now seeking advice from DMIRS on how they will manage the regulation of clearing associated with the proposal given that it is exempt from the requirements of a clearing permit. RCMA advised that DBCA had requested further information on bushfire management which RCMA had promptly provided. There was discussion on whether additional communications with DBCA were required.	DMIRS to call EPA to find out details of their request for advice. DMIRS will be in contact before the break to relay progress of assessment.
DMIRS Environment	22/12/2020	Email	Laura Burns (DMIRS) Andrea Wills (RCMA)	DMIRS provided queries on Rev 3 of the Cervantes 1 EP. Queries relate to Well Testing, Rehabilitation (including consultation with DBCA) and Reporting of Incidents.	RCMA are invited to contact DMIRS if they have any questions.
DMIRS Environment	5/01/2021	Phone	Andrea Wills (RCMA) Laura Burns (DMIRS)	Discussion and clarification on DMIRS queries provided on Rev 3 of the Cervantes 1 EP.	RCMA to consult DBCA on a revised Rehabilitation Plan with firm completion criteria. RCMA to then resubmit revised Cervantes 1 EP.
DMIRS Environment	21/01/2021	Phone	Andrea Wills (RCMA) Laura Burns (DMIRS)	Update on status of consultation with DBCA, heritage survey and EPA decision	RCMA to continue consulting with DBCA on Well Testing and Rehabilitation. RCMA to notify DMIRS of EPA decision.
DMIRS Environment	04/02/2021	Email	Andrea Wills (RCMA) Laura Burns (DMIRS)	RCMA forwarded excerpt from updated EP and a copy of the revised Rehabilitation Plan sent to DBCA for review and endorsement.	RCMA seek DMIRS feedback on the rehabilitation content provided.
DMIRS Environment	11/02/2021	Phone	Laura Burns (DMIRS) Andrea Wills (RCMA)	DMIRS responding to RCMA's request for feedback on the rehabilitation content proposed for the upcoming revision of the EP. In summary, DMIRS will be satisfied with the objectives and completion criteria when DBCA has endorsed them. The rest of the content is there with the exception of monitoring which RCMA explained is in the later section of the EP identical to the content provided in the Rehabilitation Plan. DMIRS noted that they had discussed their concerns with some of the current completion criteria with DBCA (eg. weeds not significantly greater than surrounding areas).	RCMA to continue consultation with DBCA prior to resubmitting EP once Rehabilitation Plan is endorsed.

Stakeholder	Date	Type of Consultation	People Involved	Summary of Discussions	Outcomes of Consultation
DMIRS Environment	12/02/2021	Phone	Andrea Wills (RCMA) Laura Burns (DMIRS)	RCMA notifying DMIRS that RCMA would be committing to a rehabilitation bond in the Cervantes 1 Environment Plan. It would be for the amount of \$100,000 in place until the achievement of completion criteria.	
DMIRS Environment	30/04/2021	Phone	Andrea Wills (RCMA) Laura Burns (DMIRS)	RCMA notifying DMIRS that the Rehabilitation Plan has been finalised and sent to the EPA. DMIRS advised that RCMA should hold off resubmitting the EP until the conditions of the EPA assessment can be included in the EP.	RCMA to hold off submitting EP until it has been updated with EPA Ministerial Statement conditions.
DMIRS Environment	17/08/2021	Phone	Andrea Wills (RCMA) Laura Burns (DMIRS)	RCMA notification to DMIRS that the EP was ready to be resubmitted and provision of an update on the process with the Appeals Convenor.	EP and EP Summary Rev 4 uploaded to EARS 18/08/2021. Management Plans were emailed to DMIRS 18/08/2021. The email included an update on the meeting held with the Appeals Convenor earlier that day.
DMIRS Environment	09/11/2021	Phone	Andrea Wills (RCMA) Laura Burns (DMIRS)	RCMA update DMIRS on progress of EPA process and enquiry on revision of EP to include choice of supplier for cementing chemicals (either Schlumberger or Halliburton) as it depends if we get the rig after Strike or after Mitsui to which supplier will be used.	RCMA to update chemical disclosure as well as timing and rig details in EP.
DMIRS Environment	18/11/2021	Phone	Andrea Wills (RCMA) Laura Burns (DMIRS)	Discussion on Jingemia Production Facility audit. RCMA update on EPA process.	
DMIRS Environment	02/12/2021	Phone	Laura Burns (DMIRS) Andrea Wills (RCMA)	DMIRS plan to accept the Cervantes 1 EP Rev 5 however require RCMA to submit an email commitment to capping all drill pipe not in use. DMIRS followed this call with an email request.	RCMA responded 02/12/2021 with the commitment to cap all drill pipe not in use. The EP and FMP were updated and corresponding pages forwarded to DMIRS 03/12/2021.
DMIRS Environment	14/12/2021	Email	Andrea Wills (RCMA) Laura Burns (DMIRS)	A copy of the Ministerial Statement was forwarded to DMIRS.	RCMA forwarded the final environmental approval to DMIRS 15/12/2021.
DMIRS Environment	17/12/2021	Phone	Andrea Wills (RCMA) Laura Burns (DMIRS)	RCMA inquiry into status of Section 15A referral. RCMA advised DMIRS of the issue with EPA not reviewing the Management Plans and that these were waiting with DBCA.	DMIRS to follow up with Titles Branch on whether they have received signoff from Minister. DMIRS responded by phone to advise RCMA that the Section 15A referral signoff had not been received by Titles Branch.
DMIRS Environment	04/01/2022	Phone	Andrea Wills (RCMA) Laura Burns (DMIRS)	RCMA inquiry as to period of surveillance monitoring prior to drilling activities. DMIRS advised that as long as surveillance monitoring was undertaken before drilling it was acceptable. RCMA updated DMIRS on Management Plans (DBCA have until 19 th January to review) and Section 15A referral (will most likely wait until EPA has finished their process).	
DMIRS Environment	25/01/2022	Notification	Andrea Wills (RCMA) Petroleum.environment	Prestart Notification of upcoming site preparation.	
DMIRS Environment	27/1/2022	Submission	Andrea Wills (RCMA) EARS	Resubmission of the Cervantes 1 EP.	
DMIRS Environment	03/02/2022	email	Andrea Wills (RCMA) Laura Burns (DMIRS)	RCMA notifying DMIRS that the Minister for Environment has signed the Section 15A approval and forwarded to the minister for Mines and Petroleum.	
DMIRS Environment	04/02/2022	letters	Andrea Wills (RCMA) DMIRS)	Approval letters for the Cervantes 1 EP and OSCP.	Acknowledgement email from RCMA.
DMIRS Environment	14/03/2022	email	Andrea Wills (RCMA) Laura Burns (DMIRS)	Notification form DMIRS that they will be conducting a site inspection during drilling activities at Cervantes 1.	RCMA emailed link to inductions to DMIRS 15/03/2022. DMIRS issued inspection brief 17/03/2022.
DMIRS Environment	26/03/2022	submission	Andrea Wills (RCMA) Petroleum.environment	February Recordable Incident Report Submission for site preparation.	Acknowledgement received from DMIRS 11/04/2022.
DMIRS Environment	March 2022	submission	Andrea Wills (RCMA) Petroleum.environment	February to March Emissions and Discharges Report for site preparation	
DMIRS Environment	30/03/2022	submission	Andrea Wills (RCMA) EARS	Submission of an EBD to update the chemical disclosure for the drilling of the Cervantes 1 well.	RCMA received approval of the EBC on 01/04/2022.
DMIRS Environment	05/04/2022	Site inspection	Andrea Wills (RCMA) Laura Burns (DMIRS)	DMIRS provided Covid declarations prior to travelling to site. Site inspection included site walk around and short interviews with personnel.	An inspection report was sent to RCMA 11/04/2022.

Stakeholder	Date	Type of Consultation	People Involved	Summary of Discussions	Outcomes of Consultation
DMIRS Environment	13/04/2022	submission	Andrea Wills (RCMA) Petroleum.environment	March Recordable Incident Report Submission for site preparation.	
DMIRS Environment	13/04/2022	submission	Andrea Wills (RCMA) Petroleum.environment	March Recordable Incident Report Submission for drilling.	
DMIRS Environment	May 2022	submission	Andrea Wills (RCMA) Petroleum.environment	April Recordable Incident Report Submission for drilling.	
DMIRS Environment	May 2022	submission	Andrea Wills (RCMA) Petroleum.environment	March to April Emissions and Discharges Report for drilling	
DMIRS Environment	June 2022	submission	Andrea Wills (RCMA) Petroleum.environment	May Recordable Incident Report Submission for drilling.	
DMIRS Environment	15/06/2022	email	Andrea Wills (RCMA) Rohan Kok (DMIRS)	DMIRS followed RCMA up on response to site inspection opportunity for improvement.	
DMIRS Environment	July 2022	submission	Andrea Wills (RCMA) Petroleum.environment	June Recordable Incident Report Submission for drilling.	
DMIRS Environment	July 2022	submission	Andrea Wills (RCMA) Petroleum.environment	May to June Emissions and Discharges Report for C&M	
DMIRS Environment	August 2022	submission	Andrea Wills (RCMA) Petroleum.environment	July Recordable Incident Report Submission for drilling.	
DMIRS Environment	Sept 2022	submission	Andrea Wills (RCMA) Petroleum.environment	August Recordable Incident Report Submission for drilling.	
DMIRS Environment	Oct 2022	submission	Andrea Wills (RCMA) Petroleum.environment	September Recordable Incident Report Submission for drilling.	
DMIRS Environment	Oct 2022	submission	Andrea Wills (RCMA) Petroleum.environment	July to September Emissions and Discharges Report for C&M	
DMIRS Environment	28/10/2022	email	Andrea Wills (RCMA) Mitchell Luff (DMIRS)	Request for extension on submission date for AER.	DMIRS revised the submission date to 30/11/2022.
DMIRS Environment	29/11/2022	Email / report	PBE Petroleum.environment	Submission of AER	
DMIRS Resource and Environmental Compliance	04/02/2022	email	DMIRS Andrea Wills (RCMA)	Request from DMIRS for Insurance Certificate for WMP approval.	Acknowledgement email from RCMA.
DMIRS Resource and Environmental Compliance	21/02/2022	letter	DMIRS RCMA	Approval to drill the Cervantes 1 well.	
DMIRS Environment, Safety and Titles	18/01/2022	Meeting	Ken Aitken (DMIRS) Laura Burns (DMIRS) Rohan Kok (DMIRS) Hassan Fatahi (DMIRS) Bruce Franz (DMIRS) Maggie Fleming (DMIRS) Mark Jenkins (Aztech) Carlo Cottino (Aztech)	Meeting held with DMIRS personnel to provide: <ul style="list-style-type: none"> Cervantes Project Overview HSE approvals status Current Project Schedule AOB Questions 	
DMIRS Safety	20/10/2020	Email	Bruce Franz (DMIRS) Andrea Wills (RCMA)	RCMA contacted DMIRS as part of their safety planning engagement for the Cervantes 1 project. Bruce directed RCMA to their case manager Kevin Clary.	Kevin Clary will get in contact with RCMA.
DMIRS Safety	26/10/2020	Phone	Kevin Clary (DMIRS) Andrea Wills (RCMA)	Discussion in regard to safety approvals for RCMA's Cervantes 1 proposal. RCMA advised that under Regulation 32 of the <i>Petroleum and Geothermal Energy Resources (Management of Safety) Regulations 2010</i> a bridging document to the Jingemina Production Facility Safety Management System is required.	Kevin Clary provided his contact details for RCMA to get in touch when required.

Stakeholder	Date	Type of Consultation	People Involved	Summary of Discussions	Outcomes of Consultation
DMIRS Safety	30/11/2020	Phone	Kevin Clary (DMIRS) Andrea Wills (RCMA)	Discussion about the Civils safety management plan in relation to the Refine Bridging Document. Kevin most comfortable with the Refine BD only.	Chris Newport to resubmit the Refine BD to the Director of Petroleum Safety.
DMIRS Safety	28/05/2021	Phone	Andrea Wills (RCMA) Kevin Clary (DMIRS)	RCMA notified DMIRS that they would no longer be utilising the Refine Rig to drill the Cervantes 1 well and clarified the requirements for their submission. DMIRS requested the contact details for RCMA contacts be sent through.	RCMA followed call up with an email outlining new RCMA contacts since the Refine Rig will no longer be utilised and notification that a new submission will be provided.
DMIRS Safety	18/07/2021	Email	Andrea Wills (RCMA) Kevin Clary (DMIRS)	RCMA submitted Civils Safety Management Plan and revoked Refine Drilling Safety Bridging Document	DMIRS acknowledged receipt of document 19/07/2021. DMIRS raised anomalies to correct in submission letter (reference to regulation, signatory) on 20/07/2021 and requested resubmission of document with revised cover letter 21/07/2021./
DMIRS Safety	22/07/2021	Email	Andrea Wills (RCMA) Kevin Clary (DMIRS)	RCMA submitted the Civils Safety Management Plan and revoked Refine Drilling Safety Bridging Document with a revised cover letter	DMIRS sent through an approval letter for the Civils SMP 10/08/2021. DMIRS provided some feedback on the Civils SMP and some guidance for the development of our Drilling SMP on 11/08/2021.
DMIRS Safety	16/12/2021	Phone	Andrea Wills (RCMA) Kevin Clary (DMIRS)	RCMA updated DMIRS on progress of Cervantes 1 proposal. RCMA let DMIRS know that the Drilling Safety Bridging Document was about to be submitted and the contact would be Mark Jenkins and to expect that submission from him shortly.	
DMIRS Safety	16/12/2021	Phone	Mark Jenkins (Aztech) Kevin Clary (DMIRS)	Submission of Drilling Safety Bridging Document	RCMA received approval for the document 23/12/2021.
DMIRS Safety	18/01/2022	Email	Kevin Clary (DMIRS) Andrea Wills (RCMA)	DMIRS request for RCMA contacts	RCMA sent list of contacts 19/01/2022
DMIRS Safety	19/01/2022	letter	DMIRS Safety Chris Newport (RCMA)	Information regarding the Omicron variant of Covid.	
DMIRS Resource Tenure	04/02/2022	letter	DMIRS Resource Tenure Chris Newport (RCMA)	Provision of 15A approval.	Acknowledgement email from RCMA.
DMIRS Titles	09/11/2020	Email	Allison Cohen (DMIRS) Andrea Wills (RCMA)	DMIRS responded to RCMA's query on the Section 15A timeframe now that Cervantes 1 had been registered in PGR. The response was not clear referring RCMA to the Environment Branch and RCMA followed up the Environment Branch. DMIRS advised that the Authority to Act was not adequate before realising that their definition of a deviated well did not include wells deviated within the same permit. RCMA were to withdraw their registration and reapply as a non-deviated well.	RCMA emailed DMIRS to withdraw deviated well application. RCMA reapplied for non-deviated well.
DMIRS Titles	18/11/2020	Email	Sandip Patel (DMIRS) Mark Jenkins (RCMA)	DMIRS request for a brief technical summary of the Cervantes 1 well for the DBCA referral as the well application was not submitted with a WMP. Technical summary to include: <ul style="list-style-type: none"> • Exploration or Appraisal well? • Deviated? Maximum inclination? • Objectives (primary/secondary target) • Number of sections to be drilled (surface, intermediate, production) and section depth • Duration of the well operations • Purpose and status of the well at end of drilling 	Mark Jenkins submitted a Well Summary by email 20/11/2020.
DMIRS Titles	02/02/2021	Email	Andrea Wills (RCMA) Megan Harrison (DMIRS) Sandip Patel (DMIRS)	RCMA contacted DMIRS with issues uploading the Cervantes 1 Well Management Plan. Sandip loaded the WMP onto the PGR System but noted that the application would remain on hold until the insurance information is provided.	
DMIRS Titles	02/02/2021	Email	Paul O'Shea (RCMA) Sandip Patel (DMIRS)	RCMA inquired as to whether the WMP assessment could proceed in the absence of insurance details. DMIRS advised that if the application does not contain all information it is put on hold.	

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DMIRS Titles	03/12/2021	Email	Andrea Wills (RCMA) Sandip Patel (DMIRS) Ikae Brown (DMIRS) Sunil Varma (DMIRS) Walter Law (DMIRS)	RCMA submission of amended Well Management Plan.	DMIRS responded with acknowledgement and confirmation of loading document into PGR.
DMIRS Titles	24/12/2021	Email	Sandip Patel (DMIRS) Andrea Wills (RCMA) Sunil Varma (DMIRS) Walter Law (DMIRS) Hassan Fatahi (DMIRS) Maggie Flemming (DMIRS)	DMIRS request for further information on the Cervantes 1 Well Management Plan.	RCMA acknowledged the request 24/12/2021.
EPA	23/10/2019	Email	Helen Butterworth (EPA) Chris Newport (RCMA)	Confirmation of meeting on 28/10/2019	Request to complete “1.1 Pre-Referral EPA Factors Objectives Table” prior to meeting
EPA	28/10/2019	Meeting	Helen Butterworth (EPA) Robert Hughes (EPA) Chris Newport (RCMA) Ken Aitken (RCMA)	Briefing on proponents and Cervantes 1 Proposal	MEL to conduct flora and vegetation survey MEL to refer proposal
EPA	16/12/2019	Email	Helen Butterworth (EPA) Ken Aitken (RCMA)	Request for an update meeting	Meeting organised for the 23/12/2019 and the Pre-referral EPA Factors Objectives Table submitted to EPA 18/12/2019
EPA	23/12/2019	Meeting	Helen Butterworth (EPA) Robert Hughes (EPA) Ken Aitken (RCMA) Andrea Wills (RCMA)	MEL updated EPA on Cervantes 1 Proposal progress.	Outcomes included: <ul style="list-style-type: none"> Robert offered to provide names / links of relevant offset policies possibly relevant to track clearing EPA also suggested repeated reference to “conventional” and “this proposal is not fracking” in the referral documentation EPA suggested that the Woodman report be submitted for EPA technical review ahead of a January meeting pre-referral submission to ensure the submission was acceptable on first submission
EPA	10/02/2020	Email	Helen Butterworth (EPA) Andrea Wills (RCMA)	Submission of Desktop Flora Fauna Report	Confirmation of receipt email.
EPA	13/02/2020	Phone Email	Helen Butterworth (EPA) Andrea Wills (RCMA)	Advice from EPA on adequacy of Desktop Flora Fauna Report for referral submission	EPA advise MEL to conduct their on ground surveys in accordance with EPA guidance and submit to EPA for technical assessment prior to submission of the Cervantes 1 Referral
EPA	03/04/2020	Email	Helen Butterworth (EPA) Andrea Wills (RCMA)	Submission of Field Flora Fauna Report	Confirmation of receipt email.
EPA	30/04/2020	Phone and Email	Skye Tuffin (EPA) Andrea Wills (RCMA)	Submission of memo clarifying areas of impact	Confirmation of receipt email.
EPA	15/05/2020	Phone and Email	Skye Tuffin (EPA) Andrea Wills (RCMA)	Letter from Robert Hughes (EPA) in response to submission of field Flora and Fauna report.	RCMA to prepare a response and organise a meeting
EPA	26/05/2020	Phone	Skye Tuffin (EPA) Andrea Wills (RCMA)	Request for a meeting to discuss EPA feedback on RCMA field Flora and Fauna report as there appears to be a misinterpretation of the vegetation part of the report for example the feedback states that community and condition mapping is required however there is community and condition mapping in Appendix K and N. The feedback also reports a significant reliance on the Denison data and requirements for surveying above and beyond the requirements of the EPA Guideline. The fauna specialist is working to respond to all concerns raised with no major issues on the feedback.	ST agreed to organise a “Microsoft TEAMS” meeting with the relevant EPA personnel. AW to email a list of RCMA attendees
EPA	03/06/2020	Meeting	Skye Tuffin (EPA) Helen Butterworth (EPA) Kelly Freeman (DWER) Ken Aitken (RCMA)	Meeting to discuss flora and vegetation aspects of EPA feedback on RCMA Flora and Fauna report. Apologies submitted by Wendy Hudleston (DWER) who was the DWER/EPA person who had reviewed the report. Without Wendy at the meeting it was difficult	Group resolved that RCMA would forward their three main questions on the feedback and a second meeting with Wendy in attendance would be organised once she had reviewed the questions.

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			Andrea Wills (RCMA) Greg Woodman (WEC)	to have any meaningful discussion about the issues raised in her review namely the requirement for detailed survey, the requirement for Spring survey and the reliance on Denison data.	
EPA	09/06/2020	Phone Message & Email	Skye Tuffin (EPA) Andrea Wills (RCMA)	Enquiry into status of second meeting	Advice that there will be no meeting before 15/06/2020
EPA	10/06/2020	Phone	Helen Butterworth (EPA) Ken Aitken (RCMA)	Delay in meeting timing	Follow up email from HB advising that Kelly Freeman and Wendy Hudleston are reviewing and drafting a response to RCMA's three questions provided immediately following the first meeting. Once they have a response the EPA will contact RCMA to discuss
EPA	17/06/2020	Phone & Email	Skye Tuffin (EPA) Andrea Wills (RCMA)	Advice from EPA that a Spring survey is required to confirm the findings of the February survey	RCMA responded with proposed scope of Spring survey
EPA	23/06/2020	Email & Phone	Robert Hughes (EPA) Andrea Wills (RCMA)	Request for meeting to discuss scope of Spring survey	
EPA	24/06/2020	Meeting	Robert Hughes (EPA) Helen Butterworth (EPA) Skye Tuffin (EPA) Andrea Wills (RCMA) Ken Aitken (RCMA)	Discussion on level of survey required to confirm the findings of the February survey	RCMA to liaise with Greg Woodman on another scope and present to EPA
EPA	29/06/2020	Email & Phone	Andrea Wills (RCMA) Skye Tuffin (EPA)	RCMA provided scope for Spring survey	EPA phoned and provided email affirming that the scope was endorsed by EPA
EPA	09/07/2020	Email	Andrea Wills (RCMA) Jaren Hart (DWER)	RCMA submitted formal referral of Cervantes 1 Project	Acknowledgement email receipt of the Cervantes Conventional Oil Exploration Well Project referral Case Management System (CMS) number of CMS17821.
EPA	01/09/2020	Letter via email	Anthony Sutton (EPA) Skye Tuffin (DWER) Andrea Wills (RCMA) Chris Newport (RCMA)	Request for further information in regard to Cervantes 1 Conventional Well Drilling Proposal: <ul style="list-style-type: none"> Requirement for Spring Survey Details of Fauna observed during February 2020 on-ground survey Scale bars on two flora/vegetation figures in the April Field Report 	
EPA	22/10/2020	Phone	Skye Tuffin (EPA) Andrea Wills (RCMA)	RCMA query on whether EPA expect a resubmission of the Referral, submission of an addendum to the Referral or an explanatory cover letter in response to their request for further information. EPA advised that a cover letter only is required.	Further information including Spring Survey was submitted by RCMA on 22/10/2020.
EPA	28/10/2020	Phone	Andrea Wills (RCMA) Skye Tuffin (EPA)	RCMA enquired whether EPA had received RCMA's 22/10/2020 submission as no receipt response had been received from the EPA Registrar. EPA were having a meeting on this proposal 29/10/2020 and the proposal will then be advertised. EPA were not sure on the period it would take them to make a decision on whether to assess the proposal.	EPA will notify RCMA when the proposal is placed on the EPA website.
EPA	10/11/2020	Phone	Andrea Wills (RCMA) Skye Tuffin (EPA)	RCMA enquiry as to when Cervantes 1 activity will be advertised on the EPA website. EPA advised that advice was being sought from the DBCA. Current progress on that was that the advice was with the Director for sign off. EPA are continuing with review of documents in parallel with this process.	EPA assurance that process is progressing and outcomes were not being delayed.
EPA	20/11/2020	Phone	Andrea Wills (RCMA) Skye Tuffin (EPA)	EPA are still waiting on advice from DBCA which is due back 01/12/2020. EPA then have 28 days to make their decision which they should not need that long. Helen Butterworth will be the new contact as of 23/11/2020. Skye is being seconded into the waste division of DWER.	
EPA	23/11/2020	Email	Andrea Wills (RCMA) Helen Butterworth (EPA)	RCMA advice of IBSA data package numbers: <ul style="list-style-type: none"> IBSA-2020-0468 	Confirmation of receipt was received from Helen Butterworth 23/11/2020.

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			Robert Hughes (EPA) Skye Tuffin (EPA)	<ul style="list-style-type: none"> IBSA-2020-0469 	
EPA	02/12/2020	Phone	Andrea Wills (RCMA) Helen Butterworth (EPA)	RCMA enquiry as to status of Cervantes 1 Proposal. EPA advised that DBCA comments have been received and the period for public comment ends 03/12/2020. Once EPA have received those comments, they will write up their decision for assessment for the Minister. EPA do not see the number of comments until the comment period is finished.	Helen will notify RCMA when there is any progress.
EPA	15/12/2020	Phone	Andrea Wills (RCMA) Helen Butterworth (EPA)	RCMA inquired as to number of submissions from the public on the Cervantes 1 proposal. EPA informed RCMA that there were a lot of submissions, in the order of 150. EPA advised that they had received advice from DBCA and now they had reached out to DMIRS for an outline on how they propose to regulate the clearing of native vegetation element of the project given that it is exempt from a clearing permit. EPA want to ensure that there are no appeals on their decision “not to assess”.	EPA are to commence working through submissions.
EPA	08/01/2021	Phone	Andrea Wills (RCMA) Helen Butterworth (EPA)	RCMA inquired as to progress of Cervantes 1 referral. EPA have not received a response from DMIRS but are expecting one by 15/01/2021.	EPA to provide decision on level assessment once they receive DMIRS advice.
EPA	19/01/2021	Phone	Andrea Wills (RCMA) Helen Butterworth (EPA)	RCMA inquired as to the nature of the submissions received by the EPA on the Cervantes 1 project. EPA informed RCMA that all submissions were regarding the activity being in the Nature Reserve and that there were objections to “mining” type activities with the potential for large scale developments to be in areas preserved for the conservation of flora and fauna. EPA mentioned that they had received the advice they were waiting for from DMIRS and would be having a meeting with the EPA Chairman later this week.	EPA to meet with Chairman this week to discuss level of assessment for Cervantes 1 Project.
EPA	22/01/2021	Phone	Ken Aitken (RCMA) Helen Butterworth (EPA)	Discussion in regard to EPA’s board meeting where the level of assessment for the Cervantes 1 project was discussed following RCMA leaving a message for Robert Hughes to call RCMA. EPA mentioned that the EPA might assess the project to enable a rehabilitation performance bond to be placed on the project. EPA inquired as to the heritage status of the project and RCMA updated EPA on the recent survey results. EPA advised that they could provide a summary of the public submissions which had been made on RCMA’s enquiry.	EPA to notify RCMA of assessment decision beginning of February.
EPA	25/01/2021	Phone	Ken Aitken (RCMA) Robert Hughes (EPA)	Robert Hughes returning RCMA’s call. EPA let RCMA know that a number of options had been presented to the board at the meeting for consideration. EPA let RCMA know that the redacted submission letters could all be provided to RCMA for review.	EPA to contact RCMA if they require any further information.
EPA	01/02/2021	Phone	Ken Aitken (RCMA) Helen Butterworth (EPA) Robert Hughes (EPA)	RCMA called EPA in regard to their proposal to voluntarily put up a Rehabilitation Bond. EPA sort advice from Robert Hughes (EPA) who had questions on whether the bond would be enforceable under the DMIRS Environment Plan.	RCMA to provide a letter to EPA advising them of their intent to put in place a rehabilitation bond. Upon receipt of the letter EPA requested that it be readdressed to the Chair or the Executive Director as they are delegates under the Act.
EPA	02/02/2021	Letter	Ken Aitken (RCMA) Registrar (DWER) Helen Butterworth (EPA) Robert Hughes (EPA) Andrea Wills (RCMA)	RCMA’s letter to the EPA advising them of their intent to put in place a rehabilitation bond.	

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EPA	03/02/2021	Email	Helen Butterworth (EPA) Andrea Wills (RCMA)	EPA requested further information on Heritage aspect of the Cervantes 1 project.	RCMA responded with details of the Heritage Survey Agreement, January Heritage Survey and Heritage commitments noting that the official Heritage Survey Report is expected 12/02/2021. EPA acknowledged receipt of information.
EPA	10/02/2021	Phone	Andrea Wills (RCMA) Helen Butterworth (EPA)	RCMA called EPA for an update on decision to assess timeline. EPA advised that the Chairman was reviewing the recommendation memo this afternoon and making a decision today. The decision will be advertised on Monday 15/02/2021.	EPA will find out if EPA is allowed to call RCMA to disclose decision earlier. RCMA may expect a call Thursday or Friday.
EPA	12/02/2021	Email/Letter & Phone	Helen Butterworth (EPA) Andrea Wills (RCMA)	Email advice that EPA will assess the Cervantes 1 project on referral information. RCMA inquired whether EPA would like a copy of the Rehabilitation Plan for assessment	RCMA sent the Rev 0 of the Rehabilitation Plan (version sent to DBCA) to EPA with comment that the DBCA approved version would be sent once endorsed.
EPA	15/02/2021	Phone	Andrea Wills (RCMA) Helen Butterworth (EPA)	RCMA enquired whether they should send a memo to EPA outlining any management strategies that have been added since the time of the referral. EPA agreed and added that clarification of cleared areas is needed in the memo.	RCMA agreed to prepare a memo. Letter memo was sent to Matthew Tontsd (EPA) 16/02/2021 clarifying information regarding the Cervantes Project: <ul style="list-style-type: none"> • Area of Impact • Management Measures • Heritage • Consultation
EPA	15/02/2021	Phone	Robert Hughes (EPA) Ken Aitken (RCMA)	EPA rang RCMA to discuss the decision to assess the Cervantes project. Items to note included: <ul style="list-style-type: none"> • The EPA had noted that RCMA had offered a Rehab Bond but EPA were still concerned that DMIRS would be unable to legally enforce the JV in regard to that bond whereas EPA have this authority. • DBCA formally wrote to EPA requesting that the proposal be formally assessed • There is significant public interest in the Cervantes Project as it is in Nature Reserve and in the context of increased oil and gas activity in the Northern Perth Basin 	
EPA	19/02/2021	Phone & Email	Helen Butterworth (EPA) Andrea Wills (RCMA)	EPA notified RCMA that if they wanted to reduce the size of the area of impact for their proposal they would need to put an application for change of proposal under s43A of the EP Act 1986. EPA provided the Procedures Manual for Reference. RCMA discussed the option of leaving the impact area as 5.5ha even though there is no intent to impact more than 4.5ha. As the difference in areas is the initial 12m track reduction to 9m track it is easy to remain within the 4.5ha proposal. EPA advised that this could be done, and EPA would place a 1 ha limit on the clearing of W1 vegetation (PEC) in line with the 4.5 ha proposal.	RCMA advised by email that they would not change their proposal as discussed by phone but will impact no more than 4.5 ha native vegetation (including no more than 1 ha of W1 PEC). EPA acknowledged this and noted that they will continue to assess the proposal and write the draft report. The next milestone being taking the draft report to the EPA meeting. EPA will advise the date and time of the EPA meeting.
EPA	23/02/2021	Email	Aidan Walsh (EPA) Andrea Wills (RCMA)	EPA requested polygon .shp files as the previous files provided were line files. RCMA provided the .shp files on 09/03/2021. EPA raised issues with the .shp files on 10/03/2021 where part of a polygon was out side of the original submitted development envelope. EPA provided a map on 15/03/2021 illustrating that the alternative access track was a line file and not a polygon. RCMA provided an updated .shp file and EPA provided an updated map. RCMA updated the .shp file due to vegetation coverage issues on 15/03/2021 and EPA provided an updated map on 16/03/2021. The email contained the footprint however double counted the two access tracks when the tracks are options (either or).	EPA responded by phone and follow up email that RCMA could apply for a S43a change to remove the alternative track otherwise it would remain in the total footprint. RCMA confirmed that they did not wish to apply for a S43a change.

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EPA	04/03/2021	Phone	Aidan Walsh (EPA) Andrea Wills (RCMA)	EPA discussion on contemporary survey of W1 vegetation in the Beekeepers Nature Reserve	RCMA sent the GEMEC report to EPA 05/03/2021
EPA	04/03/2021	Phone	Aidan Walsh (EPA) Andrea Wills (RCMA)	EPA request for emissions associated with the Cervantes 1 Project including sited preparation and rehabilitation	RCMA responded with an email of 800 t CO ₂ -e 04/03/2021
EPA	05/03/2021	Phone	Aidan Walsh (EPA) Andrea Wills (RCMA)	EPA request for hydrogeological study associated with the Cervantes 1 Project	RCMA sent the GEMEC report to EPA 05/03/2021
EPA	31/03/2021	Phone	Aidan Walsh (EPA) Andrea Wills (RCMA)	Discussion on progress of Cervantes 1 assessment.	
EPA	01/04/2021 received 06/04/2021	Letter	Anthony Sutton (EPA) Andrea Wills (RCMA)	EPA's letter to proponent in regard to the Cervantes 1 bond and proposed contingency offsets containing comments from DBCA.	RCMA to provide comments by the 08/04/2021
EPA	12/04/2021	Meeting	Robert Hughes (EPA) Helen Butterworth (EPA) Aidan Walsh (EPA) Ken Aitken (RCMA) Andrea Wills (RCMA)	Meeting to discuss letter to proponent (EPA and DBCA feedback on Cervantes 1 bond conversation).	EPA to send RCMA the DBCA decommissioning and rehabilitation breakdown and offset checklist. EPA sent this following the meeting. RCMA to respond to letter to proponent. RCMA sent an acknowledgement email after the meeting to confirm that they would send their response by the 20/04/2021.
EPA	19/04/2021	Phone	Aidan Walsh (EPA) Andrea Wills (RCMA)	RCMA rang to enquire about what form the financial security would take in practicality	EPA advised by phone on 20/04/2021 that the financial security would be in the form of a bank deposit held by the DWER Compliance Branch.
EPA	20/04/2021	Letter	Anthony Sutton (EPA) Ken Aitken (RCMA) Helen Butterworth (EPA) Aidan Walsh (EPA) Robert Hughes (EPA) Andrea Wills (RCMA)	RCMA's response to the letter received from EPA on 06/04/2021 addressing questions on bonds and proposed contingency offsets related to the Cervantes 1 project.	
EPA	23/04/2021	Phone	Aidan Walsh (EPA) Andrea Wills (RCMA)	EPA enquiry as to timing of submission of Rehabilitation Plan.	RCMA are waiting on one figure and will have it to EPA and DBCA early next week.
EPA	28/04/2021	Phone	Aidan Walsh (EPA) Andrea Wills (RCMA)	EPA enquiry as to whether they can have a figure of the vegetation mapping over the project area.	RCMA promised to modify the monitoring transect figure and provide once available.
EPA	29/04/2021	Phone	Aidan Walsh (EPA) Andrea Wills (RCMA)	EPA enquired on progress of Rehabilitation Plan and requested the .shp files for the vegetation mapping.	RCMA let EPA know that the Rehabilitation Plan was being compiled for sending and that the .shp files would be sent in an email directly following the Rehabilitation Plan. Both submissions were made by email.
EPA	30/04/2021	Phone	Andrea Wills (RCMA) Aidan Walsh (EPA)	RCMA checked with EPA that RCMA's submission of the Rehabilitation Plan met with DBCA's response "It is understood that the plan will be submitted to the Department of Water and Environmental Regulation (DWER) for review and approval; DBCA will provide any further comment on the plan to DWER if required to inform their review." on submission of their revised Rehabilitation Plan.	EPA advised that EPA were the agency at DWER and that they would follow up with DBCA.
EPA	11/05/2021	Email	Andrea Wills (RCMA) Aidan Walsh (EPA)	RCMA provided EPA with research on PEC.	
EPA	31/05/2021	Phone	Aidan Walsh (EPA) Andrea Wills (RCMA)	EPA called to advise that conditions consultation letter was being signed off today and would be sent through today.	
EPA	02/06/2021	Letter	Anthony Sutton (EPA) Ken Aitken (RCMA) Aidan Walsh (EPA) Andrea Wills (RCMA)	Conditions consult letter sent through with Draft Ministerial Statement.	RCMA confirmed receipt of letter and arranged a meeting with EPA to discuss the conditions in the Ministerial Statement.
EPA	03/06/2021	Meeting	Robert Hughes (EPA) Aidan Walsh (EPA) Andrea Wills (RCMA) Ken Aitken (RCMA)	Meeting was held with EPA to discuss the conditions on the Ministerial Statement.	RCMA submitted comments on the Ministerial Statement following the meeting.

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EPA	09/06/2021	Phone	Aidan Walsh (EPA) Andrea Wills (RCMA)	EPA called to advise DBCA had no issues with the Rehabilitation Plan and that RCMA were to submit the revised version addressing the conditions of the draft Ministerial Statement now.	RCMA submitted the Rehabilitation Plan to EPA as well as a track changes version 09/06/2021.
EPA	18/06/2021	Email	Andrea Wills (RCMA) Aidan Walsh (EPA)	RCMA enquired what email address they should place in documents in case a non-compliance requires reporting	EPA responded 18/06/2021 that compliance@dwer.wa.gov.au should be included in the documents.
EPA	22/06/2021	Phone	Andrea Wills (RCMA) Aidan Walsh (EPA)	EPA updated RCMA on progress of Cervantes 1 proposal; the Ministerial Statement is with Anthony Sutton and will be released next week.	
EPA	01/07/2021	Email	Andrea Wills (RCMA) Aidan Walsh (EPA)	RCMA submission of Compliance Assessment Plan and inquiry into Cervantes 1 proposal progress. EPA should have had the report on their website but are having difficulties. The CAP should be sent to compliance@dwer.wa.gov.au but advise sending after the Ministerial Statement is published EPA also advised that the Management Plans go to the EPA at registrar@dwer.wa.gov.au	
EPA	02/07/2021	Email	Robert Hughes (EPA) Ken Aitken (RCMA) Aidan Walsh (EPA) Andrea Wills (RCMA)	EPA advice that the Cervantes 1 report is now published on the EPA website	
EPA	18/07/2021	Email	Andrea Wills (RCMA) registrar@dwer.wa.gov.au Aidan Walsh (EPA) Ken Aitken (RCMA)	Submission of Management Plans: <ul style="list-style-type: none"> Vegetation Management Plan Hygiene Management Plan Fauna Management Plan 	
EPA	22/07/2021	Meeting	Aidan Walsh (EPA) Robert Hughes Ken Aitken (RCMA) Andrea Wills (RCMA)	Discussion on appeals received for the Cervantes 1 project	RCMA to provide a response to the appeals
EPA	14/12/2021	Email	Aidan Walsh (EPA) registrar@dwer.wa.gov.au Andrea Wills (RCMA)	RCMA inquiry as to the status of the Management Plans that were submitted 18/07/2021.	EPA phoned RCMA on 16/012/2021 to let them know that the plans were with DBCA.
EPA	17/12/2021	Email	Ken Aitken (RCMA) Natalie McAlpine (EPA) Aidan Walsh (EPA) Andrea Wills (RCMA)	Introductory email and request for email to discuss Cervantes 1 Management Plans and rehabilitation forward regulatory approval timeline.	EPA responded with a suggested meeting date of 17/01/2021. RCMA responded with a request for an earlier date.
EPA	21/01/2022	Letter (email)	Aidan Walsh (EPA) Ken Aitken (RCMA) Andrea Wills (RCMA) Natalie McAlpine (EPA)	EPA request for amendments to Management Plans following EPA and DBCA review.	
EPA	21/01/2022	letter	DWER RCMA	Letter requesting amendments to Cervantes 1 Vegetation MP, Hygiene MP, Fauna MP and Rehabilitation Plan.	RCMA responded with revised MPs on 24/01/2022.
EPA	25/01/2022	email	DWER Ken Aitken (RCMA)	Inquiry by RCMA into the set up of the Rehabilitation Bond.	
EPA	31/01/2022	email	Aidan Walsh (EPA) Andrea Wills (RCMA)	Enquiry by RCMA on progress of MPs.	
EPA	03/02/2022	email	Aidan Walsh (EPA) Ken Aitken (RCMA)	Enquiry to DWER as to Director sign off on Cervantes 1 MPs.	
EPA	04/02/2022	letters	DWER RCMA	Signed letters of approval for Cervates 1 MPs: <ul style="list-style-type: none"> Fauna MP Hygiene MP Vegetation MP Rehabilitation Plan 	Acknowledgement email from RCMA.

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Appeals Convenor	19/07/2021	Letter (email)	Zoe Laing (AC) Chris Newport (RCMA) Ken Aitken (RCMA)	Notification of one appeal to the Cervantes 1 proposal and potential for second appeal. AC providing opportunity for RCMA to respond to appeal by 16 th August 2021	AC phoned RCMA to outline that second appeal was a caller to the Minister that did not formally lodge an appeal. AC forwarded on the 20/07/2021 the second appeal to RCMA.
Appeals Convenor	09/08/2021	Letter (email)	Zoe Laing (AC) Ken Aitken (RCMA) Chris Newport (RCMA) Andrea Wills (RCMA)	RCMA submitted their response to the two appeals provided by the AC.	Acknowledgement of receipt of appeals response received from AC
Appeals Convenor	18/08/2021	Meeting	Emma Gaunt (AC) Michael Power (AC) Chris Newport (RCMA) Ken Aitken (RCMA) Andrea Wills (RCMA)	Introductory meeting to run through the process that will be undertaken for the Cervantes 1 proposal and outline a timeframe.	
Appeals Convenor	24/09/2021	Email	Michael Power (AC) Ken Aitken (RCMA) Chris Newport (RCMA) Andrea Wills (RCMA)	Request for the Office of the Appeals Convenor for a copy of the Cervantes 1 Rehabilitation Plan.	RCMA forwarded Version 1 and 2 and the tracked changes version of the Rehabilitation Plan to the AC 27/09/2021.
Appeals Convenor	05/11/2021	Letter (email)	Zoe Laing (AC) Ken Aitken (RCMA) Chris Newport (RCMA)	Advice from AC on Minister for Environment's decision on the Cervantes 1 appeal. Correspondence contained the determination and the Appeal Convenor's report.	
Appeals Convenor	05/11/2021	Letter (email)	Zoe Laing (AC) Ken Aitken (RCMA) Chris Newport (RCMA)	AC seeks advice from RCMA on the implementation conditions for the Cervantes 1 proposal.	RCMA responded 8/11/2021 stating they have reviewed the amendments made to the conditions, agree with the changes and have no further comment.
Appeals Convenor	03/12/2021	Phone	Ken Aitken (RCMA) Emma Gaunt (AC)	RCMA see update on appeal. AC advises that all three ministers have signed off and the project is waiting on overarching Minister signature. Then there will be a period where RCMA can appeal before the project will be officially posted on the EPA website.	
Appeals Convenor	14/12/2021	Letter (email)	Emma Gaunt (AC) Chris Newport (RCMA) Ken Aitken (RCMA)	Letter issuing Ministerial Statement 1178 and notifying RCMA that they have 14 days to appeal the conditions or they can waive the right to appeal. Also accompanied by another email notifying RCMA that the Statement is published on the EPA website with a link provided.	RCMA sent the Appeals Convenor a letter waiving their right to appeal on 14/12/2021. Receipt of this letter was acknowledged by the Appeals Convenor and the final approval letter was issued 14/12/2021. The email informed RCMA that the decision-making authorities have been advised that they may now exercise their powers with respect to the proposal.
DWER	12/11/2020	Email	IBSA Submissions (DWER) Andrea Wills (RCMA)	Submission and acceptance of IBSA data packages <ul style="list-style-type: none"> Cervantes 1 Conventional Well Spring Targeted Survey Cervantes Conventional Well Level 1 Fauna Survey, Reconnaissance and Targeted Flora and Vegetation Survey 	Receipt of IBSA numbers: <ul style="list-style-type: none"> IBSA-2020-0468 IBSA-2020-0469
DWER	04/01/2022	Phone / Email	Jack Elwin (DWER) Andrea Wills (RCMA)	DWER Compliance and Enforcement have reviewed RCMA Compliance Assessment Plan and require amendments to meet the departments requirements.	
DWER	08/02/2022	email	Jack Elwin (DWER) Andrea Wills (RCMA)	Request from DWER for amendments to Compliance Assessment Plan prior to Approval.	Amended CAP sent to DWER 11/02/2022
DWER	09/02/2022	letter	Hugh Lance (DWER) Andrea Wills (RCMA)	RCMA notification to DWER of commencement of Cervantes 1 Site Preparation.	
DWER	17/02/2022	site visit	DWER	DWER conducted an audit of the site preparation activities at Cervantes 1.	
DWER	23/02/2022	letter	DWER Ken Aitken (RCMA)	Confirmation from DWER that Rehabilitation Bond is in place.	
DWER	21/03/2022	email	Jack Elwin (DWER) Andrea Wills (RCMA)	Query from RCMA on the period which to first CAR is to cover.	DWER advised that the report to be submitted in March covers the period 1 January 2021 to 31 December 2021.
DWER	29/03/2022	email	Andrea Wills (RCMA) compliance@dwere	Submission of CAR.	CAR acceptance letter received 29/04/2022.

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DWER	16/05/2022	letter	DWER RCMA	DWER sent follow-up non-compliance letter 16/05/2022 to the 17/02/2022 audit requesting actions to be undertaken to rectify non-compliances.	RCMA responded to DWER's non-compliance letter 24/05/2022
DWER	26/05/2022	letter	DWER RCMA	Cervantes track clearing summary	
DWER	29/11/2022	Email / report	PBE DWER	Submission of Annual Groundwater Monitoring Results	
DWER	17/01/2023	Email/letter	Chris Newport (PBE) DWER	Notification of change of company name and address as per requirement of condition 10(1) of Ministerial Statement 1178.	
Minister for Environment	03/02/2022	letter	Chris Newport (RCMA) Minister for Environment	Appointment congratulations and introduction to RCMA letter.	
Minister for Mines and Petroleum	03/02/2022	letter	Chris Newport (RCMA) Minister for Mines and Petroleum	Appointment congratulations and introduction to RCMA letter.	
Shire of Irwin	31/01/2020	Phone	Andrea Wills (RCMA) Reception (Sol)	Organisation of a meeting to present the Cervantes 1 Proposal to the Shire of Irwin	Email sent with information on project to Brendan Jeans (Sol)
Shire of Irwin	27/02/2020	Phone	Andrea Wills (RCMA) Brendan Jeans (Sol)	Proposed window for meeting date General discussion on oil and gas industry in Shire of Irwin including MEL personnel experience in Perth Basin	BJ to get back to MEL with proposed date and any additional information to be presented at meeting by MEL
Shire of Irwin	13/11/2020	Phone & Email	Andrea Wills (RCMA) Brendan Jeans (Sol)	Organisation of meeting for the 19/11/2020 1pm	Change of meeting time to 10am
Shire of Irwin	19/11/2020	Meeting	Andrea Wills (RCMA) Peter Traylen (Sol) Mark Teale (Sol) Ken Aitken (RCMA) Mark Jenkins (RCMA) Paul Bird (Metgasco)	Discussion of general activities in the Shire of Irwin and the Cervantes 1 Proposal.	RCMA to provide a summary document outlining the Cervantes 1 proposal for the Shire CEO Shane Ivers. This was emailed through 23/11/2020.
Shire of Irwin	30/11/2020	Phone & Email	Andrea Wills (RCMA) Brendan Jeans (Sol)	Discussion of DoA and Sewage for workers accommodation on rig site. If there is to be sleepers (not just office and ablutions) at rig site then a DoA and Bushfire Management Plan will be required. See the Department of Planning website and a bushfire consultant for further information. Main requirements will be potable water and firebreaks.	Brendan to check with the EHO on whether there are any approval requirements for self contained storage of effluent to be disposed offsite.
Shire of Irwin	11/12/2021	Phone	Andrea Wills (RCMA) Brendan Jeans (Sol)	Discussion of the adequacy of a Bushfire Management Statement to meet the requirements for the DoA application. Consensus was that it depended on what was covered in the BMS and that Chadwick Barron (Bushfire Consultant proposing the BMS) would need to get in contact with the Sol.	Andrea Wills to get Chadwick Barron to contact Sol in regard to the BMS.
Shire of Irwin	07/01/2021	Phone	Andrea Wills (RCMA) Brendan Jeans (Sol)	Confirmation that based on the emails with Chadwick Barron (BMS), the Shire is confident with the Bushfire Management Statement Approach to be provided by BBS. RCMA are free to use either consultant (Bushfire Planning Australia or BBS) for their submission. RCMA will most likely go with BBS due to their experience with drilling proposals.	RCMA to provide submission for Sol assessment.
Shire of Irwin	08/01/2021	Phone	Andrea Wills (RCMA) Mark Teal (Sol)	RCMA inquiry as to upcoming week and potential fire bans. The current week has been horrific but next week the weather pattern is from the south so less likely to have vehicle movement bans. RCMA to contact Sol Monday to get an update on situation.	RCMA phoned Sol 11/01/2021 and the weather still looks good. RCMA to check phone app in morning before commencing survey.
Shire of Irwin	07/10/2021	Email	Mark Jenkins (Aztech) Brendan Jeans (Sol)	RCMA submission of Temporary Camp DA.	Sol responded with a query on 13/01/2022 in regard to the owner of the property for the location of the temporary camp. The owner has to be as per

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					the planning regulations and not as per the petroleum licence as was advised by DBCA.
Shire of Irwin	13/01/2022	email	Mark Jenkins (Aztech) Brendan Jeans (Sol)	Sol request for the relevant Department to sign off on DA as Cervantes 1 is on crown land.	RCMA acknowledged and will follow up.
Shire of Irwin	04/02/2022	email	Mark Jenkins (Aztech) Brendan Jeans (Sol)	Submission of DBCA permission for land access for DA Form.	Approval of DA application.
DFES	04/02/2022	email	Mark Jenkins (Aztech) DFES	Provision of 25A exemption.	
Arc Infrastructure	03/12/2019	Phone	Garry Bird (Arc Geraldton) Andrea Wills (RCMA)	MEL to drill adjacent to Arc Infrastructure near Dongara-Eneabba Railway Line	Garry to forward details on to state government party responsible for consulting with industry such as Western Power etc
Arc Infrastructure	03/12/2019	Phone	Karen van der Merwe (Arc) Andrea Wills (RCMA)	MEL to provide some preliminary info on activity in the aim to set up a meeting	ASW forwarded information pack via email to thirdparty.services@arcinfra.com on 04/12/2019
Arc Infrastructure	16/12/2019	Phone	Karen van der Merwe (Arc) Andrea Wills (RCMA)	MEL information pack has not been received by Arc. ASW to resend	KVDM confirmed receipt of resent information pack
Arc Infrastructure	20/12/2019	Email	Jason Crowden (Arc) Andrea Wills (RCMA)	Jason suggested a meeting time after 06/01/2020	Meeting arranged for 10/01/2020
Arc Infrastructure	10/01/2020	Meeting	Jason Crowden (Arc) Cameron (Arc) Ken Aitken (RCMA) Andrea Wills (RCMA)	MEL introduction of project and discussion of information required to determine constraints on railway. MEL provided approximate railway crossing coordinates	Email confirmation of outcomes: <ul style="list-style-type: none"> Arc to provide MEL with the width of the railway easement and the restrictions on the use of the railway crossing. MEL are then to provide layouts showing proposed impacts under varying scenarios (construction, development, rehab)
Arc Infrastructure	27/02/2020	Email	Jason Crowden (Arc) Andrea Wills (RCMA)	Arc provided width of railway easement and advised that the crossing is a private crossing	Arc to provide further details on the private crossing. MEL to provide project layouts to Arc.
Arc Infrastructure	15/04/2020	Email	Jason Crowden (Arc) Andrea Wills (RCMA)	MEL provided layouts covering project scenarios from site preparation through to rehabilitation	Meeting to follow
Arc Infrastructure	02/06/2020	Meeting	Jason Crowden (Arc) Ken Aitken (RCMA) Andrea Wills (RCMA)	Discussion on Arc internal questions on RCMA's proposal	Arc to send through queries for RCMA to respond to. Arc approval anticipated in 4 weeks.
Arc Infrastructure	15/06/2020	Phone	Jason Crowden (Arc) Andrea Wills (RCMA)	Enquiry as to status of Arc internal queries to be sent through to RCMA	Queries still being compiled and will be sent through once final submission has been provided to JC
Arc Infrastructure	01/07/2020	Email	Jason Crowden (Arc) Andrea Wills (RCMA)	RCMA enquiry as to progress of Cervantes 1 proposal since 02/06/2020 meeting.	Arc notified RCMA on 02//07/2020 that they will provide further updates ASAP – by 06/07/2020.
Arc Infrastructure	03/08/2020	Phone Email	Sudip Saha (Arc) Andrea Wills (RCMA)	RCMA enquired on the status of the Cervantes 1 proposal in the absence of Jason Crowden. Sudip was unaware of the project despite being Jason's Manager. Sudip requested details of the project and all correspondence which had taken place with Jason to be emailed through.	An email with a proposal summary and correspondence details was provided to Sudip Saha 03/08/2020.
Arc Infrastructure	06/08/2020	Email	Hannah Mackey (Arc) Andrea Wills (RCMA)	Notice from Arc Infrastructure that they will be unable to licence RCMA's use of the railway corridor.	RCMA request a suitable contact name at the PTA.
Arc Infrastructure	07/08/2020	Email	Hannah Mackey (Arc) Andrea Wills (RCMA)	Arc let RCMA know that they can contact Shelly Brindal (Corridor and Heritage Coordinator) at PTA.	RCMA request a time to meet with Arc to discuss the issues with access to the railway corridor.
Arc Infrastructure	11/08/2020	Email	Hannah Mackey (Arc) Andrea Wills (RCMA)	Arc notify in the morning that RCMA that they are reviewing their decision again internally. Late in the day they reiterate their previous decision not to licence RCMA's use of the railway corridor.	
Arc Infrastructure	17/08/2020	Email	Ken Aitken (RCMA) Sudip Saha (Arc) Hannah Mackey (Arc) Andrea Wills (RCMA)	Email from Ken introducing himself and requesting a meeting to: <ul style="list-style-type: none"> Clarify the scope of work to drill the 23 day Cervantes-1 exploration well (planned for late Q1 CY2021) Clearly articulate why we believe this project has extremely low risk to your track infrastructure, and why we believe this project has the potential to be a win/win for both our organisations 	

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Arc Infrastructure	26/08/2020	Meeting Email	Ken Aitken (RCMA) Sudip Saha (Arc) Hannah Mackey (Arc) Andrea Wills (RCMA)	RCMA provided a project overview, timeline, summary of stakeholder engagement, discussion of risks and mitigation and project potential during a meeting with Arc. Arc raised their concerns in regard to the potential for a new contract to initiate during RCMA's use of the railway corridor.	Outcomes of the meeting as per RCMA email 26/08/2020: <ul style="list-style-type: none"> • RCMA will arrange a meeting with the PTA to present the slides from today • Arc will follow up with their executive • RCMA will revert with feedback from the meeting with PTA • Arc will advise on the private owner of the railway crossing
Arc Infrastructure	27/08/2020	Email	Hannah Mackey (Arc) Andrea Wills (RCMA)	Clarification of railway corridor tenure between Arc and RCMA.	
Arc Infrastructure	02/09/2020	Email	Hannah Mackey (Arc) Ken Aitken (RCMA) Andrea Wills (RCMA) Sudip Saha (Arc)	Notification of approval from Arc for RCMA to use the rail corridor subject to conditions.	RCMA requested a meeting to discuss the conditions by email on 03/09/2020.
Arc Infrastructure	07/09/2020	Meeting	Hannah Mackey (Arc) Ken Aitken (RCMA) Andrea Wills (RCMA) Sudip Saha (Arc)	Meeting to discuss licence conditions on RCMA corridor access agreement.	RCMA sent through a follow up email on the 07/09/2020 summarising the actions for all parties to follow up. RCMA sent through the items assigned to RCMA on the 07/09/2020 by email and Dropbox.
Arc Infrastructure	10/09/2020	Email Phone	Hannah Mackey (Arc) Andrea Wills (RCMA)	Hannah was initially unable to download the files Andrea sent through for the Arc Environment Team however the Arc Environment Team managed to download the files. Hannah is working on the draft contract but waiting for the details of trucks and access track construction from RCMA.	Andrea to follow up details of trucks and access track construction.
Arc Infrastructure	07/10/2020 - 08/10/2020	Emails	Hannah Mackey (Arc) Helen Ainsworth (Arc) Andrea Wills (RCMA)	Email requests clarifying details for contacts and addresses for licences and agreements	RCMA provided requested information
Arc Infrastructure	09/10/2020	Email	Hannah Mackey (Arc) Andrea Wills (RCMA) Ken Aitken (RCMA)	Arc forwarded draft Licence to Use and Occupy Corridor	LTU under review by RCMA
Arc Infrastructure	13/10/2020	Email	Helen Ainsworth (Arc) Chris Newport (RCMA) Andrea Wills (RCMA)	Arc forwarded an Early Engagement Agreement (EEA) (agreement for reimbursement of Arc services).	EEA under review by RCMA
Arc Infrastructure	15/10/2020	Email	Andrea Wills (RCMA) Hannah Mackey (Arc)	RCMA forwarded details of the proposed track construction to RCMA.	Arc acknowledged receipt and advised that the information had been passed on to the Third Party Projects Team.
Arc Infrastructure	02/11/2020	Email	Ken Aitken (RCMA) Hannah Mackey (Arc) Andrea Wills (RCMA)	RCMA provided a copy of the Licence to Use marked with RCMA's feedback	Arc sent through an email acknowledgement of receipt.
Arc Infrastructure	02/11/2020	Email	Ken Aitken (RCMA) Helen Ainsworth (Arc) Hannah Mackey (Arc) Andrea Wills (RCMA)	RCMA provided a copy of the Early Engagement Agreement marked with RCMA's feedback	
Arc Infrastructure	12/11/2020	Email	Ken Aitken (RCMA) Hannah Mackey (Arc) Andrea Wills (RCMA)	RCMA offered to hold a VC to assist in going through the documents.	Arc responded 13/11/2020 that they would have responses back shortly.
Arc Infrastructure	20/11/2020	Email	Sarah Fitzgerald (Arc) Ken Aitken (RCMA) Andrea Wills (RCMA) Hannah Mackey (Arc) Helen Ainsworth (Arc)	RCMA provided a response to RCMA's requested contract departures.	RCMA to respond.
Arc Infrastructure	20/11/2020	Email	Andrea Wills (RCMA) Sarah Fitzgerald (Arc) Ken Aitken (RCMA) Hannah Mackey (Arc) Helen Ainsworth (Arc)	RCMA provided final feedback on Arc's Licence to Use and Early Engagement Agreement. RCMA extended an invitation to Arc to participate in a meeting / zoom teleconference to accelerate final alignment and contract execution.	Arc to advise a suitable time to meet.

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Arc Infrastructure	09/12/2020	Phone and Email	Andrea Wills (RCMA) Sarah Fitzgerald (Arc)	RCMA called to follow up on offer of meeting to discuss responses on departures. Arc relayed that they would have responses by the end of the week. The follow up email contained copies of the standard deed of indemnity for construction works and a construction licence template.	Arc to provide responses to RCMA contract departures by the end of the week. RCMA to review the terms of the documents provided.
Arc Infrastructure	10/12/2020	Email	Andrea Wills (RCMA) Sarah Fitzgerald (Arc) Ken Aitken (RCMA) Hannah Mackey (Arc) Helen Ainsworth (Arc)	Arc provided responses to RCMA's departures on the Licence to Use and EEA. Arc proposed Tuesday or Wednesday for a meeting time.	RCMA responded by email that all the responses look good and that RCMA look forward to receiving Schedule 2 Table 1 of the EEA before a meeting on Tuesday at a time suitable to Arc. Arc responded with a request for further information on the works that were proposed on the rail crossing before Table 1 could be populated. RCMA to follow up.
Arc Infrastructure	15/12/2020	Email	Andrea Wills (RCMA) Sarah Fitzgerald (Arc)	Arc offered to provide the marked up documents for RCMA to review and finalise. Arc provided times available for meeting.	RCMA followed up with a phone call 15/12/2020 to delay the meeting until after RCMA had provided the information for Table 1 and it had been populated by Arc. This was followed up with a confirmatory email that included a request to finalise the Licence to Use now.
Arc Infrastructure	10/12/2020	Email	Andrea Wills (RCMA) Helen Ainsworth (Arc) Sarah Fitzgerald (Arc) Ken Aitken (RCMA) Stella Seo (Arc) Hannah Mackey (Arc)	RCMA provided a description of the upgrade works to be undertaken at the railway crossing along with photos.	Arc to populate EEA Schedule 2 Table 1 before a meeting with RCMA.
Arc Infrastructure	16/12/2020	Email	Andrea Wills (RCMA) Sarah Fitzgerald (Arc)	Arc forwards updated (tracked) versions of the EEA and Licence to Use, noting that a licensed area plan will be added to the Licence to Use as part of EEA costs.	RCMA inquired on the 22/12/2020 whether the existing plan was satisfactory for the purpose. Arc responded that a new layout is required as Arc would like details in a specific format on the layout.
Arc Infrastructure	22/12/2020	Email	Andrea Wills (RCMA) Sarah Fitzgerald (Arc) Ken Aitken (RCMA) Hannah Mackey (Arc) Helen Ainsworth (Arc)	RCMA provided details of their review of the Deed of Indemnity (Construction Works) and proposed amendments.	
Arc Infrastructure	06/01/2021	Email	Andrea Wills (RCMA) Sarah Fitzgerald (Arc) Ken Aitken (RCMA) Hannah Mackey (Arc) Helen Ainsworth (Arc)	RCMA provided their review of the Construction Licence marked up directly into the licence and cross referenced in the schedule of departures.	
Arc Infrastructure	15/01/2021	Email	Helen Ainsworth (Arc) Andrea Wills (RCMA)	Arc inquiry as to RCMA's Cervantes 1 project environmental status internally within Arc. Also request for any clearing permits.	RCMA advised by email 15/01/2021 that all documents (including environmental) have been provided to the Arc legal team with no feedback on the Arc internal processes. Separately RCMA advised that the Cervantes 1 activity was exempt from the requirements of a clearing permit.
Arc Infrastructure	14/01/2021	Phone / Email	Andrea Wills (RCMA) Sarah Fitzgerald (Arc)	RCMA enquired as to the status of the EEA. Arc is finalising the cost estimate prior to sending through.	Email sent by Arc with lump sum cost estimate however itemised list of deliverables has been removed.
Arc Infrastructure	15/01/2021	Email	Andrea Wills (RCMA) Sarah Fitzgerald (Arc)	RCMA requested a list of deliverables in the scope of services.	Arc sent a revised EEA with a list of tasks to be conducted under the EEA.
Arc Infrastructure	21/01/2021	Email	Andrea Wills (RCMA) Sarah Fitzgerald (Arc)	RCMA request to make it clear that third party costs are part of the lump sum estimate in the EEA.	Arc provided updated EEA.
Arc Infrastructure	22/01/2021	Email	Andrea Wills (RCMA) Sarah Fitzgerald (Arc)	RCMA provided signed EEA to Arc.	Arc provided fully executed EEA to RCMA.
Arc Infrastructure	03/02/2021	Email	Andrea Wills (RCMA) Sarah Fitzgerald (Arc)	RCMA provided a copy of the Railway Reserve Site Preparation Plan and Vegetation Management Plan.	Arc acknowledge receipt and intent to send to the third party projects team.
Arc Infrastructure	10/02/2021	Phone	Andrea Wills (RCMA) Sarah Fitzgerald (Arc) Helen Ainsworth (Arc)	RCMA contacted Sarah to find out the contact at Third Party Services. Sarah provided Helen Ainsworth's details. RCMA contacted Helen to check that she had all documents she required to undertake design review. Helen advised that she was waiting for legal to complete their work before they commenced any activities.	Arc Legal to advise Third Party Services that all Legal work is complete and Third Party Services can commence design review.

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				RCMA contacted Sarah who advised that legal had completed all their work.	
Arc Infrastructure	10/02/2021	Email	Helen Ainsworth (Arc) Andrea Wills (RCMA)	Arc requested RCMA Safety Management Plan. RCMA sent through Cervantes 1 Civils Safety Management Plan [RCMA-02-SAF-PLN-002v0].	Arc acknowledged receipt of SMP and notified RCMA that Arc will get the construction licence completed.
Arc Infrastructure	25/02/2021	Email	Helen Ainsworth (Arc) Andrea Wills (RCMA) Sarah Fitzgerald (Arc)	Arc sent through the Construction Licence. RCMA reviewed the Licence and sent through the updated Schedule of Departures. Sarah Fitzgerald (Arc) responded with a marked up Schedule of Departures.	Arc provided responses to the requested departures on 04/03/2021 and again to RCMA's response (18/3/2021) on 18/03/2021. RCMA agreed to final changes 26/03/2021.
Arc Infrastructure	31/03/2021	Email	Sarah Fitzgerald (Arc) Andrea Wills (RCMA)	Arc forwarded the Construction Licence for Execution which RCMA signed and returned.	Arc provided the fully executed Construction Licence 24/05/2021.
Arc Infrastructure	15/09/2021	Email	Helen Ainsworth (Arc) Andrea Wills (RCMA)	Arc enquiry as to whether RCMA had commenced works in the railway easement. RCMA advised that they were still waiting on the EPA and would contact Arc when they had an anticipated construction date.	RCMA to contact Arc with estimated construction date.
Arc Infrastructure	16/09/2021	Email	Hannah Mackey (Arc) Andrea Wills (RCMA)	Arc enquiry as to whether there were any outstanding issues on the Licence to Use. RCMA followed up with the departures previously provided. Arc responded 23/09/2021 and forwarded the Licence to Use for execution 19/11/2021.	RCMA to execute the Licence to Use.
Arc Infrastructure	23/09/2021	Email	Hannah Mackey (Arc) Andrea Wills (RCMA)	RCMA follow up with Arc on whether the Deed of Indemnity is outstanding. Arc provided the Deed for execution 12/10/2021. RCMA provided executed version 12/10/2021.	Arc provided fully executed version of document 14/10/2021.
Arc Infrastructure	27/10/2021	Email	Hannah Mackey (Arc) Andrea Wills (RCMA)	Arc query on track widening for final checks on Licence to Use. Licence to Use was provided for execution 19/11/2021. RCMA provided executed version to Arc 03/12/2021.	Arc provided fully executed version of document 13/12/2021.
Arc Infrastructure	19/11/2021	email	Arc Infrastructure Andrea Wills (RCMA)	Arc sending through Licence to Use and Occupy Corridor Land for execution	RCMA followed up with questions on how Arc planned to address previous queries. Arc responded. RCMA returned executed document 3/12/2021.
Arc Infrastructure	13/12/2021	email	Arc Infrastructure Andrea Wills (RCMA)	Fully executed Licence to Use and Occupy Corridor Land was provided by Arc to RCMA.	RCMA notified Arc 14/12/2021 that site works were anticipated mid January 2022.
Arc Infrastructure	12/02/2022	email	Arc Infrastructure Andrea Wills (RCMA)	RCMA notification to Arc of commencement of site works.	Acknowledged by Arc.
Arc Infrastructure	16/03/2022	email	Arc Infrastructure Andrea Wills (RCMA)	Notification by RCMA that civil works will be completed at the end of the week and the rig will be mobilised for approximately one week (during daylight hours) before commencing drilling activities.	Acknowledged by Arc.
Public Transport Authority	12/08/2020	Phone	Shelley Brindal (PTA) Andrea Wills (RCMA)	RCMA contacted PTA in regard to Arc refusal to licence RCMA's use of the railway corridor. Shelley requested further information on the project noting that PTA generally follow Arc's decisions.	RCMA to email PTA a summary of the Cervantes 1 Project in regard to the railway corridor usage.
Public Transport Authority	18/08/2020	Email	Shelley Brindal (PTA) Andrea Wills (RCMA) Ken Aitken (RCMA)	RCMA forwarded a summary of the Cervantes 1 Project in regard to the railway corridor usage.	RCMA followed the email up with a phone call on the 19/08/2020 which PTA acknowledged by email.
Public Transport Authority	26/08/2020	Phone	Shelley Brindal (PTA) Andrea Wills (RCMA)	Conversation where RCMA informed PTA of Arc meeting outcomes. PTA proposed to review documents provided by RCMA and contact Arc.	PTA to contact Arc with relevant clauses for an access agreement with RCMA.
Public Transport Authority	27/08/2020	Email	Shelley Brindal (PTA) Andrea Wills (RCMA) Ken Aitken (RCMA)	Notification that PTA has made recommendations for options in terms of clauses to counteract their arguments for not allowing its use.	Shelley to contact RCMA when there is an update.
Public Transport Authority	03/09/2020	Phone	Andrea Wills (RCMA) Shelley Brindal (PTA)	Discussion in regard to Arc's reversal of decision to allow access to railway corridor. Discussion centred on condition allowing Arc to revoke licence mid activity. Shelley advised that PTA would place same condition on access agreement and RCMA should tread	

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				carefully if going back to Arc on this condition. Suggestion to talk to Arc about the notice period associated with this clause.	
MEPAU	06/01/2020	Phone	Steve McCracken (MEPAU) Andrea Wills (RCMA)	MEL requested access to vegetation communities mapping conducted by ARC Energy across the Cervantes 1 Proposal Area	ASW provided an email with MEL's official request.
MEPAU	16/01/2020	Email	Steve McCracken (MEPAU) Andrea Wills (RCMA)	MEPAU permit MEL to access the Denison 3D ARC GIS files as requested 06/01/2020	SMc would like to discuss north Perth basin generally with Ken Aitken. ASW passed on Steve's details to Ken.
MEPAU	23/01/2020	Email	Ken Aitken (RCMA) Steve McCracken (MEPAU)	Organisation for a meeting to discuss North Perth Basin	Meeting organised and held. Personnel continue to meet on a social basis unrelated to the Cervantes 1 project.
DBCA	06/01/2020	Phone	Murray Baker (DBCA) Andrea Wills (RCMA)	Andrea briefed Murray on the Cervantes 1 Proposal to provide enough information for a meeting with appropriate DBCA personnel.	Murray is to get back to Andrea with possible meeting times. Andrea is to prepare material on: <ul style="list-style-type: none"> Who is Metgasco / RCMA? Proposal background including access routes Management measures to be implemented
DBCA	15/01/2020	Meeting	Murray Baker (DBCA) Cass Gray (DBCA) Alanna Channa (DBCA)(phone) Ken Aitken (RCMA) Andrea Wills (RCMA)	Briefing on Cervantes 1 Proposal	RCMA to determine portion of access track in reserve vs railway easement RCMA to submit management strategies / management plans to DBCA prior to 15A referral: <ul style="list-style-type: none"> Fire Vegetation Hygiene (Weed & Dieback) Fauna Access & Communications Protocol
DBCA	04/02/2020	Phone	Murray Baker (DBCA) Andrea Wills (RCMA)	DBCA Jurien Bay Feedback on Cervantes 1 Proposal: <ul style="list-style-type: none"> There is a known PEC in that area (as was discussed in the meeting) What is the fate of the marl on completion of the project? MEL anticipate removal for Wellpad however access tracks are dependent on DBCA desired long-term track requirements What fill type will MEL be using? Limestone Marl 	DBCA to follow up: <ul style="list-style-type: none"> DBCA marl testing / interpretation requirements Feedback MEL comms to Jurien Bay
DBCA	06/02/2020	Phone	Murray Baker (DBCA) Andrea Wills (RCMA)	DBCA follow up from previous conversation: <ul style="list-style-type: none"> At this stage MEL proposal for Marl is adequate and should be documented in their Hygiene Management Plan DBCA will need to consider decommissioning requirements 	MEL to put together a proposal on decommissioning for DBCA to comment and amend.
DBCA	30/04/2020	Email	Murray Baker (DBCA) Andrea Wills (RCMA)	RCMA provided DBCA with supporting documents for DBCA review and endorsement	Confirmation of receipt email provided Cassyanna Gray (DBCA) also requested the "Description of the Activity" from the EP
DBCA	01/05/2020	Email	Cassyanna Gray (DBCA) Andrea Wills (RCMA)	DBCA request for Description of Activities	Section 1 and 2 of the Cervantes 1 EP provided to DBCA by RCMA
DBCA	04/06/2020	Phone	Cassyanna Gray (DBCA) Andrea Wills (RCMA)	Update on progress of DBCA document review	
DBCA	23/06/2020	Phone	Murray Baker (DBCA) Andrea Wills (RCMA)	Update on progress of DBCA document review	
DBCA	30/06/2020	Email and Phone	Cassyanna Gray (DBCA) Andrea Wills (RCMA)	DBCA notification that the Environmental Management Branch is going to present the Cervantes 1 proposal to the Conservation and Parks Commission (CPC). DBCA requested .shp files of the project area.	RCMA provide .shp files to DBCA and requested to see the information that was being presented to CPC
DBCA	07/07/2020	Email	Murray Baker (DBCA) Andrea Wills (RCMA)	DBCA provided advice on the supporting documents submitted by RCMA for DBCA review and endorsement. Recommendations centred around dieback and rehabilitation management.	RCMA will address DBCA's comments and recommendations and provide a response.
DBCA	21/07/2020	Email	Andrea Wills (RCMA) Murray Baker (DBCA)	RCMA request for discussion with DBCA on follow-up to each of DBCA's recommendations.	

Stakeholder	Date	Type of Consultation	People Involved	Summary of Discussions	Outcomes of Consultation
DBCA	27/07/2020	Email Phone	Andrea Wills (RCMA) Murray Baker (DBCA) Cassyanna Gray (DBCA)	RCMA Response to DBCA Section 15A Recommendations including desktop and field flora and fauna surveys.	
DBCA	31/08/2020	Phone	Cassyanna Gray (DBCA) Andrea Wills (RCMA)	Discussion was held in regard to rehabilitation plan requirements and when the updates to the hygiene management plan will be completed with reference to the timing for the September Conservation Commission Meeting.	Andrea to contact Glevan to determine hygiene management plan timeframe.
DBCA	08/09/2020	Email	Andrea Wills (RCMA) Cassyanna Gray (DBCA) Michelle Corbellini (DBCA) Ken Aitken (RCMA)	Submission of the updated hygiene management plan and updated RCMA response to DBCA recommendations. Notes include that DBCA is to provide dates for September marl pit visit and RCMA to provide rehabilitation timeframes once signed off next week.	The Rehabilitation excerpt containing rehabilitation timeframes was provided by email on the 09/09/2020.
DBCA	14/09/2020	Phone Email	Cassyanna Gray (DBCA) Andrea Wills (RCMA)	Discussion on Conservation Commission submission deadline of 05/10/2020 and requirement for updated Environment Plan by that date. Also discussed either 22 nd or 23 rd September for marl pit visit. Alanna Chant to attend.	Confirmation email of Alanna Chant attendance at marl pit visit received 14/09/2020. Andrea emailed Alanna to confirm 22/09/2020 meeting at 11:30am at the corner of Mt Adams Rd and Brand Hwy.
DBCA	22/09/2020	Site Visit	Evan Brown (Glevan Consulting / RCMA) Allan Lenane (RCMA) Steve Buitenhuis (DBCA) Alanna Chant (DBCA)	Site visit to proposed marl pit and two site where marl from that pit has been utilised in past 18 months to interpret sites for dieback.	Glevan took samples on location. DBCA made observations to provide advice to the Environmental Management Branch.
DBCA	02/10/2020	Email	Cassyanna Gray (DBCA) Andrea Wills (RCMA) Alanna Chant (DBCA) Steve Buitenhuis (DBCA) Michelle Corbellini (DBCA)	DBCA Environmental Management Branch provided advice on hygiene management for the Cervantes 1 project following the DBCA site visit. Existing commitments are made more specific.	RCMA updated the Hygiene Management and Environment Plan with specific commitments outlined in DBCA's advice.
DBCA	07/10/2020	Email	Andrea Wills (RCMA) Cassyanna Gray (DBCA)	RCMA forwarded the latest revision of the Environment Plan and Weed and Dieback Hygiene Management Plan to DBCA for submission to the Conservation Commission. A note was provided that the Glevan report and Woodman report will be forwarded once available.	DBCA confirmed receipt of the documents.
DBCA	19/10/2020	Email	Andrea Wills (RCMA) Cassyanna Gray (DBCA)	RCMA sent DBCA the Glevan Marl Pit Interpretation Report	
DBCA	23/10/2020	Phone	Cassyanna Gray (DBCA) Andrea Wills (RCMA)	DBCA called to say that all documents had been received and were with the Conservation Commission who were sitting 23/10/2020. DBCA requested a copy of the updated HMP (with the marl pit report incorporated) and the initial Rehabilitation Plan referred to in the EP. RCMA also advised that the Spring Survey Report was available and would send it through with the other documents.	RCMA to provide documents to DBCA: <ul style="list-style-type: none"> • Spring Survey • Rehabilitation Plan • Hygiene Management Plan
DBCA	30/10/2020 & 10/11/2020	Email	Andrea Wills (RCMA) Cassyanna Gray (DBCA)	RCMA provided promised documents to DBCA: <ul style="list-style-type: none"> • Spring Survey • Rehabilitation Plan • Hygiene Management Plan 	DBCA responded via email 11/11/2020 confirming receipt of documents
DBCA	13/11/2020	Email and Phone	Andrea Wills (RCMA) Cassyanna Gray (DBCA)	RCMA and DBCA discussed Section 15A process and how the Section 15A Referral will now come through as RCMA have lodged a well application (not just an EP). DBCA outlined that the process of providing advice to the Minister was nearly complete only waiting on the outcome of the Conservation Commission. DBCA enquired about the EPA Referral and were not aware that the DBCA Director had been asked for advice by the EPA. DBCA mentioned that they would follow up the progress of this.	DBCA to follow up progress of EPA request for advice on Section 38 Referral

Stakeholder	Date	Type of Consultation	People Involved	Summary of Discussions	Outcomes of Consultation
DBCA	17/11/2020	Phone	Andrea Wills (RCMA) Cassyanna Gray (DBCA)	RCMA and DBCA discussed rehabilitation planning in light of DMIRS new requests. DBCA have not reviewed the Rehabilitation Plan yet and could not comment on whether they require further detail. RCMA enquired about the monitoring bore which is in our EP. DBCA were not sure if a separate CALM application was required from the petroleum drilling CALM application.	DBCA to review Rehabilitation Plan DBCA to check CALM application covers all aspects of EP (including monitoring bore)
DBCA	30/11/2020	Phone	Andrea Wills (RCMA) Cassyanna Gray (DBCA)	Conservation Commission has further queries on Fire Response Preparedness. RCMA to provide details. DBCA are preparing a submission to EPA by 01/12/2020. DBCA have not had an opportunity to review RCMA's Rehabilitation Plan as yet.	RCMA to provide information on Fire Response Preparedness. Email memo sent to DBCA 30/11/2020.
DBCA	14/01/2021	Phone	Andrea Wills (RCMA) Cassyanna Gray (DBCA)	RCMA and DBCA discussed the status of the rehabilitation plan and RCMA's intent to further develop the plan in line with DMIRS requests. DBCA are satisfied with the current intended completion criteria and would like to see the further development include specific targets.	RCMA to provide DBCA with Rehabilitation Plan in next two weeks.
DBCA	20/01/2021	Phone and email	Cassyanna Gray (DBCA) Andrea Wills (RCMA)	DBCA request for a summary memo on well testing to address suitable timing, surveillance, and planned response to ignitions in relation to fire management during well testing, as well as soil/groundwater contamination management and monitoring measures.	RCMA provided the memo 21/01/2021.
DBCA	03/02/2021	Email	Andrea Wills (RCMA) Cassyanna Gray (DBCA)	RCMA forwarded the updated Cervantes 1 Rehabilitation Plan [Rev 0] to DBCA for review and approval.	DBCA confirmed receipt of the Rehabilitation Plan.
DBCA	09/02/2021	Phone	Andrea Wills (RCMA) Cassyanna Gray (DBCA)	RCMA following up DBCA on Rehabilitation Plan Review. EMB currently waiting on comments from the region.	DBCA to provide comments on Rehabilitation Plan
DBCA	24/02/2021	Phone	Andrea Wills (RCMA) Cassyanna Gray (DBCA)	RCMA and DBCA catching up on progress since last conversation. Now that project will be assessed by the EPA, DBCA has received a submission request from the EPA. DBCA will be briefing the Conservation Commission although they may not have time to present at a meeting. DBCA have received comments from the Region on the Rehabilitation Plan and will provide feedback soon. EPA have notified DBCA that RCMA have proposed an \$100,000 Rehabilitation Bond. The basis of this bond is the cost of remediation if the site does not achieve its completion criteria.	DBCA to provide comments on Rehabilitation Plan
DBCA	15/03/2021	Phone	Andrea Wills (RCMA) Cassyanna Gray (DBCA)	DBCA personnel have been away on sick leave. DBCA promise to have the Rehabilitation Plan back to RCMA by 16/03/2021.	DBCA to send Rehabilitation Plan to RCMA.
DBCA	16/03/2021	Email	Cassyanna Gray (DBCA) Andrea Wills (RCMA)	DBCA provided a table of comments to RCMA on the Rehabilitation Plan.	RCMA to address comments in a revised Rehabilitation Plan
DBCA	29/04/2021	Email	Andrea Wills (RCMA) Cassyanna Gray (DBCA) Michelle Corbellini (DBCA) Alanna Chant (DBCA) Laura Burns (DMIRS) Aidan Walsh (EPA) Ken Aitken (RCMA) Charlotte Patrick (DBCA) Murray Baker (DBCA)	RCMA provided a revised Rehabilitation Plan to DBCA and EPA.	DBCA advised that "It is understood the plan will be submitted to the Department of Water and Environmental Regulation (DWER) for review and approval; DBCA will provide any further comment on the plan to DWER if required to inform their review." RCMA clarified with EPA that the RCMA submission to EPA met DBCA's expectation 09/06/2021.
DBCA	15/11/2021	Phone	Andrea Wills (RCMA) Cassyanna Gray (DBCA)	RCMA enquired as to who they needed to put down as the landowner on their development application with the Shire of Irwin for the temporary buildings on the drill site. DBCA advised that in the first instance RCMA should put down RCMA as the Petroleum Licence holder.	RCMA to submit the DA as the "landowner".

Stakeholder	Date	Type of Consultation	People Involved	Summary of Discussions	Outcomes of Consultation
DBCA	16/12/2021	Phone / Email	Andrea Wills (RCMA) Charlotte Patrick (DBCA) Casslyanna Grey (DBCA) Murray Baker (DBCA)	RCMA request that DBCA phone RCMA to update RCMA on status of DBCA's advice to EPA on the Cervantes 1 Management Plans.	Murray Baker called RCMA 16/12/2021 and advised that the EPA had only sent them the MPs 16/12/2021. They also had not sent through the Rehabilitation Plan. RCMA to provide a copy of the Rehabilitation Plan to DBCA.
DBCA	17/12/2021	Phone	Ken Aitken (RCMA) Murray Baker (DBCA)	RCMA inquiry as to timing of DBCA's provision of advice to EPA. DBCA advised that the advice would be provided prior to the due date of 19/01/2022. It was noted that DBCA had only received three MPs and were missing the Rehabilitation Plan.	RCMA forwarded the Rehabilitation Plan to DBCA and EPA 17/12/2021. This document had previously been provided to both parties (29/04/2021 and 09/06/2021).
DBCA	10/01/2022	phone/email	DBCA Andrea Wills (RCMA)	RCMA follow up with DBCA on any queries in regard to the Cervantes 1 Application.	
DBCA	09/05/2022	email	DBCA Andrea Wills (RCMA)	Notification to DBCA that Cervantes 1 well had been P&A.	
DBCA	09/11/2022	phone/email	DBCA Andrea Wills (RCMA)	Contact regarding potential sit visit to confirm Cervantes footprint prior to rehabilitation activities.	DBCA to return contact with site visit date.
DBCA	29/11/2022	Email / report	PBE Murray Baker (DBCA)	Submission of DBCA Annual Environmental Report	
DBCA	29/11/2022	Phone/email;	Andrea Wills (PBE) Mary Buttfield (DBCA)	Contact made with DBCA to organise a site visit with DBCA to Cervantes	DBCA provided contact Cassie Reynolds.
DBCA	8/12/2022 03/01/2023	Email	Andrea Wills (PBE) Alanna Chant (DBCA) Steve Buitenhuis (DBCA)	Organisation of site visit	Site visit 11/01/2023
DBCA	09/02/2023	Email	Cassie Reynolds (DBCA) Andrea Wills (PBE)	Follow up report from DBCA site visit sent to DBCA with a proposed amendment to the Cervantes 1 Rehabilitation Plan. Cassie advised that DBCA would provide advice by the end of February.	On 27/02/2023 DBCA thanked PBE for the opportunity the comment on the proposed changes to the rehabilitation plan prior to formal submission to DWER. DBCA advised PBE that they have no further comments at this stage of the process.
Other Perth Basin Petroleum Operators	Nov 2019 to Jan 2020	Meetings and Phone Calls	Various	Discussing availability of onshore drilling rigs planned to be in the Perth Basin in 2nd half of 2020. Collaboration/negotiation to secure well slot on a rig for Cervantes	Understand two rigs technically capable of drilling Cervantes will be mobilized to Perth Basin. Another smaller rig currently based in WA may also be available
YMAC	18/03/2020	Phone	Callum Forsey (YMAC) Andrea Wills (RCMA)	Potential for heritage sites in Cervantes 1 Project Area and arrangements required to be made for on ground heritage assessment	RCMA to send email to YMAC outlining project footprint so that YMAC can provide details of steps to be taken
YMAC	23/03/2020	Email	Callum Forsey (YMAC) Andrea Wills (RCMA) Glenn Archer (YMAC)	YMAC follow up email from phone call to provide details of YMAC lawyer for Southern Yamatji matters who will assist with progressing a survey agreement Provision of Survey Request Form	RCMA completed and returned the Survey Request Form and left messages with Glenn Archer to discuss the survey agreement
YMAC	02/06/2020	Email	Ebony Paskov (YMAC) Andrea Wills (RCMA)	Contact regarding draft agreement for on ground heritage survey prior to ground disturbing activities	Will phone 03/06/2020 AW forwarded draft information pack previously provided to Callum Forsey
YMAC	03/06/2020	Email	Ebony Paskov (YMAC) Andrea Wills (RCMA)	Advice that if a Petroleum Exploration and Heritage Protection Agreement was not in place then one would need to be drafted.	Follow-up phone call where EP agreed that she would draft the agreement and get back to AW by 05/06/2020
YMAC	16/06/2020	Email	Ebony Paskov (YMAC) Andrea Wills (RCMA)	Update from YMAC that the draft heritage agreement is being reviewed by the YMAC Heritage Unit	YMAC requested clarification on which party the agreement was with. RCMA confirmed that the agreement was with RCMA Australia.
YMAC	07/07/2020	Email	Ebony Paskov (YMAC) Andrea Wills (RCMA)	Notice from YMAC that the agreement is progressing and will be presented to the Southern Yamatji Working Group on 14/07/2020 and the agreement will be sent to RCMA on the 15/07/2020.	The SYA Petroleum Exploration and Heritage Protection Agreement was emailed to Andrea Wills 15/07/2020.
YMAC	03/08/2020	Meeting Letter	Ebony Paskov (YMAC) Jeremy Brown (YMAC) Ken Aitken (RCMA) Andrea Wills (RCMA)	Meeting held to discuss RCMA concerns regarding the standard agreement that has been provided to RCMA. YMAC stated that "The Southern Yamatji recognise that RCMA want something from them so they want something in return".	YMAC agreed to review the agreement in light of RCMA's concerns and get back to RCMA.
YMAC	10/08/2020	Email	Ebony Paskov (YMAC) Ken Aitken (RCMA) Jeremy Brown (YMAC) Andrea Wills (RCMA)	YMAC send through a revised SYA Petroleum Exploration Heritage Agreement inviting RCMA to add any comments or changes directly to the document using track changes.	RCMA notified YMAC 19/08/2020 that their response was taking longer than expected and anticipate a response next week which YMAC acknowledged by email.

Stakeholder	Date	Type of Consultation	People Involved	Summary of Discussions	Outcomes of Consultation
YMAC	02/09/2020	Email	Ebony Paskov (YMAC) Ken Aitken (RCMA) Jeremy Brown (YMAC) Andrea Wills (RCMA)	Request for progress on review of revised SYA Petroleum Exploration Heritage Agreement.	RCMA notified YMAC on the 02/09/2020 that their response was being finalised and should be sent through on the 04/09/2020 which was acknowledged by email 02/09/2020. Submission timeframe altered to the 08/09/2020 on the 04/09/2020.
YMAC	07/09/2020	Email	Ken Aitken (RCMA) Ebony Paskov (YMAC) Jeremy Brown (YMAC) Andrea Wills (RCMA)	RCMA sent through a revised Cultural Heritage Survey Agreement for YMAC review and amendment.	
YMAC	17/09/2020	Email	Ken Aitken (RCMA) Jeremy Brown (YMAC) Ebony Paskov (YMAC) Andrea Wills (RCMA) Callum Forsey (YMAC) Philippa Hunter (YMAC)	YMAC sent through a revised Cultural Heritage Survey Agreement for RCMA to review prior to the Southern Yamatji Meeting on the 07/10/2020.	Ken acknowledge receipt of the document via email.
YMAC	24/09/2020	Email	Ken Aitken (RCMA) Jeremy Brown (YMAC) Ebony Paskov (YMAC) Andrea Wills (RCMA) Callum Forsey (YMAC) Philippa Hunter (YMAC)	RCMA sent back a revised draft accepting the majority of YMAC's amendments except for clause 13A.	Jeremy acknowledged receipt of the document and stated that his initial impression was that the amendment to clause 13A captures what YMAC are trying to convey.
YMAC	12/10/2020	Email	Jeremy Brown (YMAC) Ken Aitken (RCMA) Ebony Paskov (YMAC) Andrea Wills (RCMA) Callum Forsey (YMAC) Philippa Hunter (YMAC)	YMAC advice that cultural heritage survey agreement went to the Southern Yamatji working group who have a few further minor amendments to the agreement.	RCMA to review the amendments to the agreement.
YMAC	21/10/2020	Email	Jeremy Brown (YMAC) Ken Aitken (RCMA) Ebony Paskov (YMAC) Andrea Wills (RCMA) Callum Forsey (YMAC) Philippa Hunter (YMAC)	YMAC flagging to RCMA that the Southern Yamatji claim will end once the Yamatji Nation Indigenous Land Use Agreement is registered (26/10/2020). It is not anticipated that this will represent any issues for the agreement or the survey.	
YMAC	28/10/2020	Email	Jeremy Brown (YMAC) Ken Aitken (RCMA) Ebony Paskov (YMAC) Andrea Wills (RCMA) Callum Forsey (YMAC) Philippa Hunter (YMAC)	RCMA providing updated draft following CJV review of heritage survey agreement.	YMAC provided feedback by phone and by email 29/10/2020 that with the exception of the report preparation period, YMAC consider the drafting of the agreement substantially completed. RMCA agreed to a period of 20 business days.
YMAC	03/11/2020	Email	Jeremy Brown (YMAC) Ken Aitken (RCMA) Ebony Paskov (YMAC) Andrea Wills (RCMA) Callum Forsey (YMAC) Philippa Hunter (YMAC)	YMAC advised that there is a legal issue with YMAC's role / capacity to act as agent for Southern Yamatji now that the claim has ended.	
YMAC	20/11/2020	Phone & Email	Jeremy Brown (YMAC) Ken Aitken (RCMA)	YMAC advised that the survey agreement could not be executed. It is unlikely that this agreement would be able to be executed until January 2021. RCMA have the option to progress the matter through the Yamatji Southern Regional Corporation.	
YSRC	23/11/2020	Phone	Andrea Wills (RCMA) Glenda Jackmarra (YSRC)	RCMA introduced who they were and that they had gotten her contact details from Terra Rosa as RCMA intend to undertake an on-ground heritage survey. YSRC instructed RCMA to send an introductory email to her.	RCMA to send an introductory email to YSRC. Email sent 23/11/2020.

Stakeholder	Date	Type of Consultation	People Involved	Summary of Discussions	Outcomes of Consultation
YSRC	26/11/2020	Email	Danial Puletama (S&S) Andrea Wills (RCMA) Glenda Jackamarra (YSRC)	YSRC had advised S&S that RCMA wanted to undertake an on-ground heritage survey. S&S provided advice as to how to get an agreement in place. S&S also requested a project information package.	RCMA emailed S&S the YMAC agreement and requested S&S to call RCMA to discuss.
YSRC	27/11/2020	Phone	Danial Puletama (S&S) Andrea Wills (RCMA)	RCMA and S&S discussed the existing YMAC agreement and its suitability. S&S were confident it was suitable. RCMA requested clarification on the parties to be named in the agreement.	S&S responded by email on 30/11/2020 with the names of the parties to be named in the agreement and instructions on whom to send the signed agreement.
YSRC	03/12/2020	Email	Andrea Wills (RCMA) Danial Puletama (S&S) Glenda Jackamarra (YSRC) Paul Case (YSRC) Ken Aitken (RCMA)	RCMA forwarded a copy of the signed heritage survey agreement as discussed with S&S on 27/11/2020 for consideration by YSRC on 07/12/2020.	Email receipt confirmation received from S&S 06/12/2020.
YSRC	15/12/2020	Email	Andrea Wills (RCMA) Danial Puletama (S&S)	RCMA enquiry as to the progress of the meeting on the 07/12/2020.	S&S advised that it was agreed to sign the agreement and to get it to RCMA as soon as possible.
YSRC	22/12/2020	Email	Andrea Wills (RCMA) Danial Puletama (S&S)	RCMA enquiry as to how to kick off the heritage survey. S&S requested by email a heritage survey request 04/01/2021 and provided a template 05/01/2020.	RCMA returned the completed heritage survey request form with attachments and .shp files. It was noted that RCMA had not received a copy of the signed agreement so the agreement # on the request form was left blank.
YSRC	07/01/2021	Email / Phone	Danial Puletama (S&S) Andrea Wills (RCMA)	S&S provided a cost estimate for the heritage survey and proposed Tuesday 12/01/2021 for the survey. RCMA spoke to S&S to discuss details of the survey and arrange a last minute confirmation on Monday morning based on the fire weather bans however the forecast looks good.	RCMA provided a layout showing directions to meet at Jingemina.
YSRC	11/01/2021	Phone	Andrea Wills (RCMA) Danial Puletama (S&S)	Confirmation that the fire ban status looks favorable for us to undertake a survey tomorrow.	Meet at Jingemina at 8:30am
YSRC	12/01/2021	Email	Allan Wedderburn (RS) Andrea Wills (RCMA) Ken Aitken (RCMA) Danial Puletama (S&S) Carol Martin (YSRC) Del Whitby (YSRC) Shirley McPherson (YSRC) Paul Case (YSRC) Roxanne Lines (YSRC)	Provision of signed heritage agreement for Cervantes 1 Project.	RCMA confirmed receipt of heritage agreement 14/01/2021.
YSRC	12/01/2021	Site Visit	Andrea Wills (RCMA) Allan Lenane (Lenanes) Daniel Puletama (S&S) Phil Czerwinski (S&S) Michael Taylor F. Taylor Karen Whitby Darren Callow Jai Taylor Kirk Taylor	S&S Anthropologist, Archaeologist and 6 elders undertook a heritage survey over the Cervantes 1 Project Area. Personnel walked the entire area and made observations before providing initial recommendations for a follow up report.	Daniel Puletama to coordinate the compilation of a heritage survey report.
YSRC	12/02/2021	Phone	Andrea Wills (RCMA) Danial Puletama (S&S)	RCMA enquiry as to progress of the Heritage Survey Report. Report has been delayed sign off by the board due to corona virus lock down.	S&S will send through the unratified version to RCMA in the meantime.
YSRC	16/03/2021	Email and Phone	Andrea Wills (RCMA) Danial Puletama (S&S)	RCMA enquiry as to when the cultural heritage report would be sent through. S&S notified they had sent through on 24/02/2021. RCMA checked and found some of the emails in junk folder.	S&S to send remainder of files through via email.
YSRC	18/03/2021	Email	Andrea Wills (RCMA) Danial Puletama (S&S)	RCMA raised an issue with the boundary presented in the Heritage Survey Report did not match where was physically traversed during	S&S reviewed the discrepancy 19/03/2021 and reissued the survey report 03/05/2021.

Stakeholder	Date	Type of Consultation	People Involved	Summary of Discussions	Outcomes of Consultation
				the survey or match the proposed project footprint. This could be a relic of the original .shp file provided by RCMA.	Nine more spots were identified, these were reviewed and the survey report reissued 07/05/2021.
YSRC	07/05/2021	Email	Andrea Wills (RCMA) Danial Puletama (S&S)	RCMA seeking advice in regard to the Heritage Survey Report recommendation for a 'Site Discovery Procedure'. S&S provided a copy.	
YSRC	24/11/2021	Phone	Andrea Wills (RCMA) Danial Puletama (S&S)	RCMA notifying YSRC that they anticipate preparing the Cervantes 1 site mid January 2022. S&S advised that personnel are back on the ground 2 nd January so this will be ok. RCMA to contact S&S in December with an Activity Notice.	RCMA to develop and forward activity notice to S&S.
YSRC	21/01/2022	email	Andrea Wills (RCMA) Danial Puletama (S&S)	Check on timing for monitors on site and quote.	
YSRC	08/02/2022	email	Andrea Wills (RCMA) Danial Puletama (S&S)	Confirmation for monitors on 09/02/2022.	RCMA confirmed that monitors are to be waiting at pickup point 10am on 09/02/2022.
YSRC	14/02/2022	email	Andrea Wills (RCMA) Danial Puletama (S&S)	Question on whether an additional day of monitoring required on the 16/02/2022.	RCMA responded that they have been held up and it will not be till at least next Wednesday.
YSRC	26/02/2022	email	Andrea Wills (RCMA) Danial Puletama (S&S)	Heritage risk assessment of digging mud sump.	
YSRC	22/03/2022	email	Andrea Wills (RCMA) Danial Puletama (S&S)	Monitoring report provided by YSRC.	
Wattandee Tribe	05/07/2021	Email	Chris Newport (RCMA) Thomas Cameron (Wattandee Tribal Elder)	Email introduction to a tribe from Mingenew interested in industry activities during the EPA Report public appeal period.	RCMA thanked Thomas for the introduction and welcome a meeting with the Wattandee Tribe.
Landowners	10/01/2022	Letter	Six Local Landowners Ken Aitken (RCMA)	Letter to six local landowners north of the Beekeepers Nature Reserve fire break (4km north of Cervantes 1 well site) notifying them of upcoming civils activities and proposed drilling timing.	The landowner with a residence on their property had their letter hand delivered on 12/01/2022. The project was discussed and the landowner was pleased that the overgrown firebreak was being maintained. The landowner noted many years ago noise issues with the Jingemia Facility.
Landowner	25/01	email	Landowner Andrea Wills (RCMA)	Queries about Cervantes 1 project: <ul style="list-style-type: none"> Is the firebreak is the one on the south side of Lot 18? Will we have access to 10mile beach while the drilling is occurring? 	RCMA responded that: <ul style="list-style-type: none"> the firebreak was on the south side of lot 18 (does not intersect their property) Access to beaches will be as normal although there will be increased traffic at times
Landowner	01/03/2022	email	Landowner Andrea Wills (RCMA)	Complaint about corrugations on access road.	Lenanes graded the access road that afternoon.

Appendix D End of Rehabilitation Internal Report [RCMA-02-EM-TRG-003]

End of Decommissioning / Rehabilitation Report

[RCMA-02-EM-TRG-003v0]

Submitter:		Company:	
Signature:		Date:	

Fuel Usage	Volume [L]	Comments
Earthmoving Vehicles		
Stationary Engines		
Road Transport Vehicles		

Waste Disposal	Volume [m ³]	Disposal Location	Comments
<i>Has all waste been removed from site?</i>			Yes / No
General Waste			
Liquid Oily Waste			
Solid Oily Waste			
Contaminated Soil			

Questions	
Describe works that were undertaken (for rehabilitation include rehabilitated area in m ²)	
Describe any infrastructure remaining on site	
Describe any equipment remaining on site	

End of Decommissioning / Rehabilitation Report

[RCMA-02-EM-TRG-003v0]

Issues to Report	Details
Soil & Landform (<i>e.g. erosion</i>)	
Dust	
Flora & Vegetation	
Fauna	
Weeds & Dieback	
Leaks or Spills	
Soil Contamination	
Waste	
Heritage	
Stakeholder	

Comments

End of Decommissioning / Rehabilitation Report

[RCMA-02-EM-TRG-003v0]

Attachments Required to this Report	Check
Photos of the site from North, South, East and West Perspectives	
All hygiene certificates for machinery inspected and cleaned offsite prior to mobilisation	
All completed hygiene logs for inspections undertaken onsite [RCMA-02-EM-FM-003v0]	
A copy of all environmental incident and hazard reports	

Appendix E Rehabilitation Plan Version 4

Complexity of changes		Minor revisions <input checked="" type="checkbox"/>	Moderate revisions <input type="checkbox"/>	Major revisions <input type="checkbox"/>
Number of Key Environmental Factors		One <input type="checkbox"/>	2-3 <input checked="" type="checkbox"/>	> 3 <input type="checkbox"/>
Date revision submitted to EPA: 06/03/2023				
Proponent's operational requirement timeframe for approval of revision		< One Month <input checked="" type="checkbox"/>	< Six Months <input type="checkbox"/>	> Six Months <input type="checkbox"/> None <input type="checkbox"/>
Reason for Timeframe:				
Item no.	EMP section no.	EMP page no.	Summary of change	Reason for change
1.	2.2	20	Amendment to proposed decommissioning and rehabilitation	Proponent has a better understanding of on site conditions
2.	5.6	26	Propagule introduction is not required	Rehabilitation is to be undertaken immediately.
3.	6.2	31	Amendment to completion criteria to reflect amendments to proposed decommissioning and rehabilitation	Completion criteria has to reflect proposed outcome.
4.	7	36	Rehabilitation Schedule updated	Reflect more certainty in process now that the well has been drilled and plugged and abandoned and rehabilitation planning has advanced.
5.	9.3	38-40	Amendment to proposed rehabilitation monitoring program	Focus monitoring on areas of rehabilitation as some areas previously proposed for monitoring were not disturbed.
6.	Appendix C	-	Updated Consultation Register for project	There has been consultation since the last revision of the Rehabilitation Plan