



Barrow Island Joint Venture Clearing Permit 123/8 & 123/9 Annual Report 1 July 2021–30 June 2022

Revision ID: 1.0
Revision Date: 19/09/2022
Information Sensitivity: Public

Contents

1	Introduction	1
1.1	Purpose	1
1.2	Summary of activities	1
2	Summary of performance – Clearing Permit CPS123/7 and CPS123/8	2
3	Clearing under Condition 6	6
4	Clearing under Condition 17	8
5	Clearing of Mattiske vegetation units	10
6	Certificate audits	10
7	Acronyms and abbreviations.....	11
Appendix A	Vegetation units cleared	12

Tables

Table 3-1:	Clearing under Condition 6 by environmental priority category	6
Table 3-2:	Clearing under Condition 6 by vegetation unit.....	7
Table 4-1:	Clearing under Condition 17 by environmental priority category	8
Table 4-2:	Clearing under Condition 17 by vegetation unit.....	9
Table 5-1:	Areal extent of each Mattiske Vegetation Unit cleared during the reporting period	10
Table 6-1:	Certificate audits	10
Table 7-1:	Acronyms and abbreviations	11

1 Introduction

1.1 Purpose

During the reporting period (1 July 2021–30 June 2022) Chevron Australia Pty Ltd (CAPL) held clearing permits CPS 123/8 and 123/9, which apply to WA Oil operations. During the reporting period, an amendment to CPS123/8 was approved by the Western Australian Department of Water and Environmental Regulation (DWER). CPS 123/9 was issued by DWER on 13 June 2022.

Condition 20 of CPS123/8 and Condition 23 CPS123/9 requires the Permit Holder to submit an annual report to the Chief Executive Officer (CEO) of DWER by 30 September each year.

This report is submitted to the CEO of DWER to meet the requirements of Condition 20, detailing the vegetation cleared under CPS123/8 and CPS123/9 for the reporting period.

1.2 Summary of activities

During the reporting period, 0.7881 ha of vegetation was cleared under CPS123/8 and CPS 123/9, including :

- 0.4846 ha for infrastructure installation and maintenance works (Condition 6)
- 0.3035 ha for pipeline works (Condition 17 of CPS123/8 and Condition 19 of CPS123/9).

No vegetation was cleared for marine activities or emergencies.

No botanist reports associated with vegetation clearing were issued during the reporting period. Audits were conducted on certificates, as required by Condition 22.

Section 2 provides the summary of performance for clearing permits CPS123/8 and CPS123/9.

2 Summary of performance – Clearing Permit CPS123/8 and CPS123/9

Condition	Report Requirement	Summary of Activities
CPS123/8 - Condition 20(a) & CPS123/9 - Condition 22(a) – Extent, location and method of all clearing (excluding clearing under Condition 4)	For all clearing, other than clearing under condition 4 where the vegetation has been previously disturbed, a record of the extent, location and method of clearing carried out under this Permit.	<p>The extent and method of clearing under CPS123/8 and CPS123/9 during the reporting period is detailed in Sections 3 and 0.</p> <p>The location of each clearing event can be viewed in the shapefiles that were emailed to DWER with this report.</p>
CPS123/8 - Condition 20(b) & CPS123/9 - Condition 22(b) – Extent, location and method of clearing under Condition 6 (excluding clearing for pipelines)	For clearing under condition 6, an additional summary of the extent, location and method of this clearing by reference to vegetation or area types referred to in Annexure 2, Annexure 3, Annexure 4 or Annexure 5 and the reasons why such clearing was required.	<p>The amount of vegetation cleared during the reporting period under Condition 6 of CPS123/8 and CPS123/9 was 0.4846 ha (refer to Section 3). This comprised 0.0001 ha in P1 areas, 0.1502 ha in P2 areas and 0.3343 ha in P4 areas, as identified in Annexure 2 of CPS123/8 and CPS123/9.</p> <p>The activity, method, extent, and certificate number are detailed in Table 3-1 and</p> <p>Table 3-2 for each occasion of vegetation disturbance under condition 6, by environmental priority category (Annexure 2 of CPS123/8 and CPS123/9) and vegetation unit (Annexure 3 and 4 of CPS123/8 and CPS123/9).</p> <p>The location of each clearing event can be viewed in the shapefiles that were emailed to DWER with this report.</p>

Condition	Report Requirement	Summary of Activities
<p>CPS123/8 - Condition 20(c) & CPS123/9 - Condition 22(c) – Clearing relating to pipelines</p>	<p>In relation to clearing for pipelines,</p> <ul style="list-style-type: none"> (i) the type of pipelines involved; (ii) the location, extent and method of clearing in each case; (iii) the location, extent and method of clearing of any identified vegetation or areas of the vegetation types or areas described in Annexure 2, Annexure 3, Annexure 4 or Annexure 5 that were cleared; (iv) the reasons why such clearing was required 	<p>The amount of vegetation cleared during the reporting period under Condition 17 of CPS123/8 and Condition 19 of CPS123/9 (related to flowline maintenance) was 0.3035 ha (refer to Section 0). This comprised 0.2021 ha in P1 areas, 0.0014 ha in P2 areas and 0.1 ha in P4 areas, as identified in Annexure 2 of CPS123/8 and CPS123/9.</p> <p>The activity, method, extent, and certificate number are detailed in Table 4-1 and Table 4-2 for each occasion of vegetation disturbance under condition 6, by environmental priority category (Annexure 2 of CPS123/8 and CPS123/9) and vegetation unit (Annexure 3 and 4 of CPS123/8 and CPS123/9).</p> <p>The location of each clearing event can be viewed in the shapefiles that were emailed to DWER with this report.</p>
<p>CPS123/8 - Condition 20(d) & CPS123/9 - Condition 22(d) – Clearing relating to emergencies</p>	<p>The location, extent and method of any clearing carried out in accordance with condition 7.</p> <p>Condition 7. Emergencies</p> <p>The Permit Holder may clear vegetation:</p> <ul style="list-style-type: none"> (a) for the purpose of preventing danger to human life or health or irreversible damage to a significant portion of the environment; (b) to prevent or reduce imminent damage to infrastructure in response to the impact of a destructive natural event such as a storm, lightning strike, fire or flood; (c) where reasonably necessary to immediately respond to an accident such as a leak, fire or medical emergency or to repair damage caused by vandalism <p>and may carry out this clearing without complying with Part II and such clearing shall not be subject to the 105 hectare limit on total clearing that otherwise applies to this Permit.</p>	<p>No vegetation was cleared for emergencies during the reporting period.</p>

Condition	Report Requirement	Summary of Activities
<p>CPS123/8 - Condition 20(e) & CPS123/9 - Condition 22(e) – Clearing for marine activities</p>	<p>The location and extent of any clearing carried out in accordance with condition 5.</p> <p>Condition 5. Clearing for Marine Activities Authorised In accordance with this Permit, the Permit Holder may clear vegetation without complying with Part II for the purposes of: inspecting, accessing, operating and maintaining existing Marine Infrastructure; replacing and upgrading existing Marine Infrastructure in the same location; environmental monitoring; and activities associated with decommissioning, demolition and abandonment of infrastructure.</p>	<p>No vegetation was cleared for marine activities during the reporting period.</p>
<p>CPS123/8 - Condition 20(f) & CPS123/9 - Condition 22(f) – Areal extent of Mattiske vegetation units impacted</p>	<p>The areal extent of each vegetation type set out in Annexure 1, that has been:</p> <p>(i) cleared in that year; and (ii) that is remaining on Barrow Island; expressed as a percentage of the areal extent of those same vegetation types as identified in Mattiske (1993).</p>	<p>The areal extent of each vegetation type cleared and remaining on Barrow Island for the Mattiske vegetation units presented in Annexure 1 of CPS 123/8 and 123/9 (0) is provided in Table 5-1.</p> <p>The data are presented as:</p> <ul style="list-style-type: none"> • The total area cleared for each Mattiske vegetation unit during the reporting period. • The area of each Mattiske vegetation unit cleared during the reporting period as a percentage of the original (pre-disturbance) area. • The area of each Mattiske vegetation unit remaining at 1 July 2022. • The percentage of each Mattiske vegetation unit remaining in comparison to the original (pre-disturbed) area.

Condition	Report Requirement	Summary of Activities
CPS123/8 - Condition 20(g) & CPS123/9 - Condition 22(g)– Botanist reports referred to during assessment	A list of all reports provided by qualified botanists as required by this Permit in relation to Barrow Island.	No clearing was undertaken during the reporting period that required assessment by a qualified botanist.
CPS123/8 - Condition 20(h) & CPS123/9 - Condition 22(h)– Active rehabilitation	The location, extent and method of any active rehabilitation carried out in relation to Barrow Island.	No sites were rehabilitated since the last reporting period as there was a focus on-site remediation and investigations into rehabilitation methods.
CPS123/8 - Condition 20(i) & CPS123/9 - Condition 22(j)– Audit reports	<p>Audit reports required under condition 22 below</p> <p>Condition 22. Auditing The Permit Holder shall conduct an audit of one new <i>Ground and Vegetation Disturbance Assessment Form</i> that has been issued in each two month period after the commencement of this Permit to determine whether the clearing carried out under the <i>Ground and Vegetation Disturbance Assessment Form</i> was in accordance with the <i>Ground and Vegetation Disturbance Assessment Form</i> and this Permit. The Permit Holder shall create a report detailing the findings of such an audit and the nature, extent and reason for any noncompliance and shall include the results of each audit in the annual report described in condition 20 above.</p>	<p>Five certificates were audited in five of six audit periods during the reporting period. No certificates were audited during the March-April audit period as all disturbance in this period was conducted under Condition 4, which is exempt from complying with Part II of CPS123/8 and CPS123/9 (Ground Vegetation Disturbance Assessment Procedure (GVDAP)).</p> <p>Details of the audits are provided in Table 6-1.</p> <p>During the routine audits, no non-compliances with the Conditions of CPS123/8 or CPS123/9 were identified.</p>
Condition 20(j) – Environmental sensitivity mapping database	A copy of the environmental sensitivity mapping database in an electronic form.	An electronic version of the Environmental Sensitivity database can be viewed in the shapefiles that were emailed to DWER with this report.

3 Clearing under Condition 6

Table 3-1: Clearing under Condition 6 by environmental priority category

Activity	Method	Environmental Priority Category	Extent (ha)	Certificate Number
Accessing Infrastructure	Blading	P2	0.1202	P40564a
	Rolling (Off Road Driving)	P4	0.0025	21594
		P2	0.0165	21594
Bore Construction	Blading	P2	0.0037	20220210a
			0.0071	20220210b
Reduce Fire Risk	Blading	P4	0.1008	20220203b
			0.1022	20220203c
Environmental Investigation and Monitoring	Blading	P4	0.0014	20211119
			0.0102	P21541
			0.0175	P40483
Remediation	Excavation	P4	0.0876	20210726C77Ja
		P1	0.0001	20210726C77Ja
Other	Blading	P4	0.0073	20220203T76a
			0.0047	20220203T76b
			0.0001	20220203T76c
		P2	0.0027	20220203T76c
Total			0.4846	-

Table 3-2: Clearing under Condition 6 by vegetation unit

Activity	Method	Vegetation Unit	Extent (ha)	Certificate Number
Accessing Infrastructure	Blading	L4	0.1073	P40564a
		L7	0.0129	P40564a
	Rolling (Off Road Driving)	D2	0.0165	21594
		V1	0.0025	21594
Bore Construction	Blading	F6	0.0037	20220210a
			0.0071	20220210b
Reduce Fire Risk	Blading	L1	0.1008	20220203b
			0.1022	20220203c
Environmental Investigation and Monitoring	Blading	F1	0.0072	P21541
			0.0005	P40483
		L9	0.0014	20211119
			0.0030	P21541
			0.0170	P40483
Remediation	Excavation	C5	0.0001	20210726C77Ja
		L9	0.0876	20210726C77Ja
Other	Blading	L4	0.0027	20220203T76c
		V1	0.0073	20220203T76a
			0.0047	20220203T76b
			0.0001	20220203T76c
Total			0.4846	-

4 Clearing under Condition 17 (CPS123/8) and Condition 19 (CPS123/9)

Table 4-1: Clearing under Condition 17 (CPS123/8) and Condition 19 (CPS123/9) by environmental priority category

Activity	Method	Environmental Priority Category	Extent (ha)	Certificate Number
Flow Lines – Maintenance	Removal	P4	0.0002	L51Ja
			0.0002	L51Jb
			0.0017	L51Jc
			0.0013	L51Jd
			0.0009	L51Je
			0.0011	20220618a
			0.0010	20220618b
			0.0007	20220618c
			0.0007	20220618d
			0.0012	20220618e
			0.0012	20220618f
			0.0007	20220618g
			0.0005	20220625b
			0.0008	20220625c
	P2	0.0010	L51Jf	
		0.0004	20220625a	
	Rolling (Off Road Driving)	P4	0.0436	20210815
			0.0442	P20692
		P1	0.1105	20210815
			0.0886	P20692
Excavation	P1	0.0030	20220509a	
Total			0.3035	-

Table 4-2: Clearing under Condition 17 (CPS123/8) and Condition 19 (CPS123/9) by vegetation unit

Activity	Method	Vegetation Unit	Extent (ha)	Certificate Number
Flow Lines – Maintenance	Removal	D2	0.001	L51Jf
			0.0004	20220625a
		L1	0.0007	20220618d
			0.0012	20220618e
		L3	0.0001	L51Ja
			0.00001	L51Jc
			0.001	20220618b
			0.0007	20220618c
			0.0012	20220618f
			0.0007	20220618g
		V1	0.0001	L51Ja
			0.0002	L51Jb
			0.0017	L51Jc
			0.0013	L51Jd
			0.0009	L51Je
			0.0011	20220618a
			0.0005	20220625b
			0.0008	20220625c
	Rolling (Off Road Driving)	L1	0.1541	20210815
			0.1328	P20692
Excavation		C2	0.003	20220509a
Total			0.3035	-

5 Clearing of Mattiske vegetation units

Table 5-1: Areal extent of each Mattiske Vegetation Unit cleared during the reporting period

Mattiske vegetation unit ¹	Original area (ha) ²	Areas cleared during reporting period (ha)	Area cleared as % of original area	Area remaining (ha) ³	Area remaining as % of original area
C2	535.31	0.0030	0.0006	530.11	99.0278
C5	205.54	0.0001	0.00003	205.53	99.9980
D2	1095.26	0.0179	0.0016	854.27	77.9971
F1	1567	0.0077	0.0005	1518.19	96.8846
F6	137.39	0.0108	0.0079	120.15	87.4504
L1	2728.27	0.4918	0.0180	2634.99	96.5808
L3	2777.96	0.0037	0.0001	2680.78	96.5018
L4	322.78	0.1100	0.0341	303.45	94.0108
L7	1585.99	0.0129	0.0008	1526.68	96.2605
L9	1747.41	0.1089	0.0062	1738.98	99.5177
V1	6820.12	0.0211	0.0003	6457.49	94.6828

6 Certificate audits

Table 6-1: Certificate audits

Audit No.	Audit period	Certificate number	Date of certificate issue	Non-compliances
1.	01/07/2021–31/08/2021	P20692	09/08/2021	No
2.	01/09/2021–31/10/2021	21594	07/10/2021	No
3.	01/11/2021–31/12/2021	L51Ja, L51Jb, L51Jc, L51Jd, L51Je, L51Jf	21/11/2021	No
4.	01/01/2022–28/02/2022	20220210a, 20220210b	14/02/2022	No
5.	01/03/2022–30/04/2022	NA [#]	NA [#]	NA [#]
6.	01/05/2022–30/06/2022	20220618a, 0220618b, 20220618c, 0220618d, 20220618e, 20220618f, 20220618g	18/06/2022	No

Date format: dd/mm/yyyy

- All disturbance occurring in this period were conducted under Condition 4 which is exempt from complying with Part II of CPS123/8 and CPS123/9 (Ground Vegetation Disturbance Assessment Procedure (GVDAP)).

¹ Details of the Mattiske vegetation units are provided in 0.

² These figures are an indication of the estimated areal extent of Mattiske vegetation units before the oilfield existed.

³ These figures are affected by the additional subtraction of long-term clearing (i.e. clearing that occurred before the permit was issued on 12 June 2006). They are not an indication of total clearing within the permit area.

7 Acronyms and abbreviations

Table 7-1 defines the acronyms and abbreviations used in this document.

Table 7-1: Acronyms and abbreviations

Acronym / abbreviation	Definition
CAPL	Chevron Australia Pty Ltd
CEO	Chief Executive Officer
DWER	Western Australian Department of Water and Environmental Regulation

Vegetation units cleared

Mattiske vegetation unit	Vegetation units disturbed during the reporting period CPS123
C2	C2 - Open Shrub of <i>Acacia coriacea</i> - <i>Rhagodia preissii</i> ssp. <i>obovata</i> - <i>Olearia dampieri</i> ssp. <i>dampieri</i> on elevated dunes on fringes of Island
*C5	C5 - Low Mixed Shrubland of <i>Frankenia pauciflora</i> and <i>Hedyotis crouchiana</i> on exposed cliff faces around edge of Island.
D2	Hummock Grassland of <i>Triodia angusta</i> along minor creek-lines and drainage lines
F1	Hummock Grassland of <i>Triodia angusta</i> on red earth flats and drainage lines
*F6	Hummock Grassland of <i>Triodia pungens</i> on slopes of escarpments on fringes of red earth flats
L1	Hummock Grassland of <i>Triodia wiseana</i> with <i>Ficus platypoda</i> var. <i>platypoda</i> on central limestone ridges
L3	Hummock Grassland of <i>Triodia wiseana</i> with low mixed shrubs including <i>Acacia gregorii</i> on limestone ridges
L4	Hummock Grassland of <i>Triodia wiseana</i> with dense emergent shrubs of <i>Acacia pyrifolia</i> , <i>Acacia gregorii</i> and <i>Petalostylis labicheoides</i> on limestone ridges
L7	Hummock Grassland of <i>Triodia wiseana</i> with dense pockets of <i>Melaleuca cardiophylla</i> on limestone ridges
L9	Hummock Grassland of <i>Triodia wiseana</i> - <i>Triodia angusta</i> with emergent <i>Sarcostemma viminali</i> spp. <i>australe</i> and <i>Ficus platypoda</i> var. <i>platypoda</i> on coastal limestone flats and low ridges with localised pockets of <i>Frankenia pauciflora</i>
V1	Hummock Grassland of <i>Triodia wiseana</i> with mixed emergent shrub species on valley slopes

* Significant vegetation community on Barrow Island