

Attachment

Environmental Authority (EA) P-EA-100464322

Proposed changes

1. PL194 EA

Section	Changes Proposed				Reasoning
Biodiversity 8A	Schedule D, Table 1				This inclusion of this amendment achieves alignment with DESI proposed conditioning, released to industry on 13 May 2024. This recognises areas of protected wildlife habitat as a Category C ESA.
	Environmentally sensitive area	Within the environmentally sensitive area	Primary protection zone of the environmentally sensitive area	Secondary protection zone of the environmentally sensitive area	
	<u>Category A environmentally sensitive areas</u>	No petroleum activities permitted.	Only <u>low impact petroleum activities</u> permitted.	Only <u>essential petroleum activities</u> permitted.	
	<u>Category B environmentally sensitive areas</u> that are other than 'endangered' <u>regional ecosystems</u>	Only <u>low impact petroleum activities</u> permitted.	Only <u>low impact petroleum activities</u> permitted.	Only <u>essential petroleum activities</u> permitted.	
	<u>Category B environmentally sensitive areas</u> that are 'endangered' <u>regional ecosystems</u>	Only <u>low impact petroleum activities</u> permitted.	Only <u>essential petroleum activities</u> permitted.	Only <u>essential petroleum activities</u> permitted.	
	<u>Category C environmentally sensitive areas</u> that are 'nature refuges' or 'koala habitat'	Only <u>low impact petroleum activities</u> permitted.	Only <u>low impact petroleum activities</u> permitted.		

Section	Changes Proposed			Reasoning
	Category C environmentally sensitive areas that are 'essential habitat', 'essential regrowth habitat', or 'of concern' regional ecosystems	Only <u>low impact petroleum activities</u> permitted.	Only <u>essential petroleum activities</u> permitted.	
	Category C environmentally sensitive areas that are 'protected wildlife habitat'	Only essential petroleum activities permitted	Only essential petroleum activities permitted	
	Category C environmentally sensitive areas that are 'regional parks' (previously known as 'resources reserves')	Only <u>essential petroleum activities</u> permitted.	Only <u>essential petroleum activities</u> permitted.	
	Category C environmentally sensitive areas that are 'state forests' or 'timber reserves'	Only <u>essential petroleum activities</u> permitted.	Petroleum activities permitted.	
	Areas of vegetation that are 'critically limited'	Only <u>low impact petroleum activities</u> permitted.	Only <u>essential petroleum activities</u> permitted.	
Definitions	<p>Category C Environmentally Sensitive Area means any of the following areas:</p> <ul style="list-style-type: none"> nature refuges as defined in the conservation agreement for that refuge under the <i>Nature Conservation Act 1992</i> Guideline Streamlined model conditions for petroleum activities state forests or timber reserves as defined under the <i>Forestry Act 1959</i> regional parks (previously known as resource reserves) under the <i>Nature Conservation Act 1992</i> an area validated from ground-truthing surveys as 'essential habitat' on the Queensland Government Essential Habitat Map in accordance with section 20AC of the <i>Vegetation</i> 			This inclusion of this amendment achieves alignment with DESI proposed conditioning, released to industry on 13 May 2024. This recognises areas of protected wildlife habitat as a Category C ESA.

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	<p><i>Management Act 1999</i> for a species of wildlife listed as critically endangered, endangered, vulnerable under the <i>Nature Conservation Act 1992</i></p> <ul style="list-style-type: none"> From 15 May 2024, an area validated from ground-truthing surveys as ‘protected wildlife habitat’ that is category A, B or C on the Remnant Vegetation Management Map, in accordance with section 20A of the <i>Vegetation Management Act 1992</i>, for a species of wildlife listed as critically endangered, endangered or vulnerable under the <i>Nature Conservation Act 1992</i> ‘of concern regional ecosystems’ that are remnant vegetation and identified in the database called ‘RE description database’ containing regional ecosystem numbers and descriptions 	
New Biodiversity 8B	<p>Despite condition Biodiversity 8A, essential petroleum activities are permitted in ESAs, as well as primary protection zones and secondary protection zones, as defined in the spatial data [FILE NAME] submitted to the administering authority on [DATE OF SUBMISSION]</p>	<p>This condition provides certainty of proposed impacts to ESAs and primary protection zones.</p> <p>This approach is consistent with other approvals issued by DESI and provides clarity of where infrastructure placement would not be consistent with the constraints listed in Schedule D, Table.</p>
Protecting biodiversity values, Table 3 – Significant residual impacts to prescribed environmental matters	<p>Changes: As per the following sections table <i>Protecting biodiversity values, Table 3 – Significant residual impacts to prescribed environmental matters</i></p> <p>REGULATED VEGETATION</p> <p>Remove:</p> <ul style="list-style-type: none"> Endangered regional ecosystems RE 11.4.2 Of Concern regional ecosystem (not within and urban area) RE 11.3.2, RE 11.3.4 Regional ecosystems (not within and urban area) that intersect a wetland on the on the vegetation management wetlands map RE 11.3.4, RE 11.3.2, RE 11.4.12, RE 11.7.4. <p>Add:</p>	<p>These values represent updated predicted impacts based on the current infrastructure alignment, habitat mapping rules and ground-truthed survey information.</p> <p>Ecological assessment has included inspecting relevant data sources to identify threatened species (flora and fauna specially protected under the EPBC Act and NC Act 1992, which</p>

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	<ul style="list-style-type: none"> Regional ecosystems (not within and urban area) that intersect a wetland on the on the vegetation management wetlands map RE 11.3.14 (0.6ha). <p>Change:</p> <ul style="list-style-type: none"> Regional ecosystems (not within and urban area) that intersect a wetland on the on the vegetation management wetlands map RE 11.3.18 (increase from 0.43ha to 0.5ha), RE 11.5.1 (reduce from 0.72ha to 0.3ha), RE 11.7.7 (increase from 0.14ha to 0.6ha), RE11.3.25 (reduce from 2.14ha to 0.1ha). <p>CONNECTIVITY AREAS</p> <p>Remove:</p> <ul style="list-style-type: none"> Connectivity area that is a regional ecosystem (not in urban area) 6.7ha. <p>PROTECTED WILDLIFE HABITAT</p> <p>Remove:</p> <ul style="list-style-type: none"> Habitat for an animal that is vulnerable wildlife: <ul style="list-style-type: none"> <i>Jalmenus eubulus</i> <p>Add:</p> <ul style="list-style-type: none"> Habitat for an animal that is vulnerable or endangered wildlife: <ul style="list-style-type: none"> <i>Petaurus australis</i> (84.5ha) <i>Nyctophilus corbeni</i> (84.9ha) <i>Stagonopleura guttata</i> (85.5ha) <i>Glyphodon (Furina) dunmalli</i> (84.3ha) <i>Adclardia cameroni</i> (0.5ha) <i>Phascolarctos cinereus</i> (145ha) <i>Petauroides v4olans</i> (85ha) <p>Change:</p> <ul style="list-style-type: none"> <i>Acanthophis antarcticus</i> (increase from 53ha to 85.5 ha) <i>Calyptorhynchus lathamii</i> (increase from 16ha to 29.3ha) <i>Hemiaspis damelii</i> (reduce from 36ha to 3ha) <p>FISH HABITAT AREAS</p>	<p>are known within and surrounding the SGP. 'Rules' were created to map habitat for these Matters of National and State Environmental Significance (MNES and MSES) based on GIS data, allowing the prediction of high value habitat. These surveys and mapping rules were also used to assess the impacts and environmental values associated with PL194.</p> <p>Habitats were classed as 'core' habitat or 'general' habitat. Core habitat areas reflect those REs which are likely to be regularly inhabited by, or of 'high importance' to, the species. Such areas include high amenity habitat which could include important resources such as roosting and nesting sites or food resources. General habitats are 'those REs that may be used less regularly by fauna' (3DE and ESE 2011) and have lower amenity habitat. These definitions roughly match the definitions of 'Core Habitat Possible' and 'General Habitat Possible' in DES (2020), which was not available in 2011. The mapping has been used to calculate predicted impacts (and subsequently offset requirements) based on the extent of Core Habitat Known and Core Habitat Possible.</p> <p>Considerable field work has been completed within and surrounding</p>

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	<p>Change:</p> <ul style="list-style-type: none"> Fish passage (not in an urban area) – remove. <p>Change: Total numbers of Maximum extent of impact to the ones in table below <i>Protecting biodiversity values, Table 3 – Significant residual impacts to prescribed environmental matters</i> below:</p> <p>Add: Schedule D to the table title (see below).</p> <p>Schedule D, Protecting biodiversity values, Table 3 – Significant residual impacts to prescribed environmental matters</p> <table> <tr> <th>Prescribed environmental matter</th><th>Location of impact</th><th>Maximum extent of impact</th></tr> <tr> <td colspan="3">REGULATED VEGETATION</td></tr> <tr> <td colspan="3"><u>Endangered regional ecosystem</u></td></tr> <tr> <td>RE 11.4.2</td><td>PL194</td><td>2 ha</td></tr> <tr> <td colspan="3"><u>Of concern regional ecosystem (not within an urban area)</u></td></tr> <tr> <td>RE 11.3.2</td><td>PL194</td><td>4 ha</td></tr> <tr> <td>RE 11.3.4</td><td>PL194</td><td>3 ha</td></tr> <tr> <td colspan="3"><u>Regional ecosystems</u> (not within an urban area) within the defined distance from the defining banks of a relevant <u>watercourse</u> on the vegetation management <u>watercourse</u> map</td></tr> <tr> <td>RE 11.3.2 (BVG 17a)</td><td>PL194</td><td>0.14 ha</td></tr> <tr> <td>11.3.4 (BVG 16c)</td><td>PL194</td><td>0.72 ha</td></tr> <tr> <td>11.3.18 (BVG 17a)</td><td>PL194</td><td>0.43 ha 0.5ha</td></tr> <tr> <td>11.3.25 (BVG 16a; 22c)</td><td>PL194</td><td>2.14 0.1ha</td></tr> <tr> <td>11.4.12 (BVG 17a)</td><td>PL194</td><td>0.14 ha</td></tr> <tr> <td>11.5.1 (BVG 17a; 18b)</td><td>PL194</td><td>0.72 ha 0.3 ha</td></tr> <tr> <td>11.7.4 (BVG 12a)</td><td>PL194</td><td>0.07 ha</td></tr> <tr> <td>11.7.7 (BVG 12a)</td><td>PL194</td><td>0.14 ha 0.6</td></tr> <tr> <td>11.3.14 (BVG 18a)</td><td>PL194</td><td>0.6</td></tr> <tr> <td colspan="3">CONNECTIVITY AREAS</td></tr> </table>	Prescribed environmental matter	Location of impact	Maximum extent of impact	REGULATED VEGETATION			<u>Endangered regional ecosystem</u>			RE 11.4.2	PL194	2 ha	<u>Of concern regional ecosystem (not within an urban area)</u>			RE 11.3.2	PL194	4 ha	RE 11.3.4	PL194	3 ha	<u>Regional ecosystems</u> (not within an urban area) within the defined distance from the defining banks of a relevant <u>watercourse</u> on the vegetation management <u>watercourse</u> map			RE 11.3.2 (BVG 17a)	PL194	0.14 ha	11.3.4 (BVG 16c)	PL194	0.72 ha	11.3.18 (BVG 17a)	PL194	0.43 ha 0.5ha	11.3.25 (BVG 16a; 22c)	PL194	2.14 0.1ha	11.4.12 (BVG 17a)	PL194	0.14 ha	11.5.1 (BVG 17a; 18b)	PL194	0.72 ha 0.3 ha	11.7.4 (BVG 12a)	PL194	0.07 ha	11.7.7 (BVG 12a)	PL194	0.14 ha 0.6	11.3.14 (BVG 18a)	PL194	0.6	CONNECTIVITY AREAS			<p>the SGP area (which included the PL194 area) since this work was completed our local knowledge has increased substantially. In a few cases, this has identified ways in which the mapping rules could be modified and improved for greater accuracy. Furthermore, additional MNES and MSES species have been listed under legislation since the original work was completed.</p> <p>These new additional species had not been previously assessed (given their latest change in status) but have been included in this assessment as an abundance of caution based on likelihood of occurrence assessment and suitability of habitat within the survey corridor for the PL194 area utilising the aforementioned ecology surveys, survey data and mapping rules.</p> <p>The changes in this table also represent reduced disturbance through refinements to infrastructure layout.</p>
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	Connectivity area that is a <u>regional ecosystem</u> (not in urban area)			
	PL194	PL194	6.7 ha	
	Essential habitat (not in an urban area) for endangered wildlife			
	Phascolarctos cinereus (Koala)	PL194	8.7-10.4 ha	
	PROTECTED WILDLIFE HABITAT			
	Habitat for an animal that is vulnerable wildlife			
	Acanthophis antarcticus (Common Death Adder)	PL194	53 ha 85.5 ha	
	Petaurus australis (Yellow-bellied Glider)	PL194	84.5 ha	
	Nyctophilus corbeni (South-eastern Long-eared Bat)	PL194	84.9 ha	
	Glyphodon (Furina) dunmalli (Dunmall’s Snake)	PL194	84.3 ha	
	Stagonopleura guttata (Diamond Firetail)	PL194	85.5 ha	
	Calyptorhynchus lathami (Glossy Black Cockatoo)	PL194	16 29.3 ha	
	Adclarkia cameroni (Brigalow Woodland Snail)	PL194	0.5 ha	
	Jalmenus eubulus (Pale Imperial Hairstreak)	PL194	3 ha	
	Tachyglossus aculeatus (Echidna)	PL194	10 ha	
	Habitat for an animal that is endangered wildlife			
	Hemiaspis damelii (Grey Snake)	PL194	36 ha 3 ha	
	Phascolarctos cinereus (Koala)	PL194	145	
	Petauroides Volans (Greater Glider)	PL194	85	
	Habitat for an animal that is Special Least Concern			
	Tachyglossus aculeatus (Echidna)	PL194	11.21 ha	
	FISH HABITAT AREAS			
	Fish passage (not in an urban area)	PL194	1 0.25	