



**VARIATION OF CONDITIONS ATTACHED TO APPROVAL  
Carmichael Coal Mine and Rail Infrastructure Project, Queensland  
(EPBC 2010/5736)**

This decision to vary conditions of approval is made under section 143 of the *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act).

**Approved action**

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|-----------------------------------------------|------------------------------------------|
| <b>Person to whom the approval is granted</b> | Adani Mining Pty Ltd<br>ACN: 145 455 205 |
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| <b>Approved action</b> | To develop an open cut and underground coal mine, 189 km rail link and associated infrastructure approximately 160 km north west of Clermont in central Queensland [see EPBC Act referral 2010/5736 and approved variations dated 19 April 2012, 9 October 2012 and 24 July 2013] |
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**Variation**

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| <b>Variation of conditions attached to approval</b> | The variation is:<br><br>Delete conditions 8 and 11 attached to the approval and substitute with the conditions specified below.<br><br>Delete the definition of the Galilee Basin Strategic Offset Strategy.<br><br>Insert a new definition of Galilee Basin Offset Strategy as specified below. |
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| <b>Date of effect</b> | This variation has effect on the date the instrument is signed |
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**Person authorised to make decision**

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| <b>Name and position</b> | Chris Videroni<br>Acting Assistant Secretary<br>Assessments and Post Approvals Branch |
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**Signature**

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| <b>Date of decision</b> | <br>26 September 2019 |
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|                                        | Varied condition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                   |                                                                   |                                                                   |                                                            |                                                |                                           |                                           |                                        |          |          |          |      |      |       |                                      |       |        |  |      |      |       |                         |       |       |  |      |      |      |                                   |         |        |  |      |      |      |                          |       |      |  |      |      |      |                    |         |         |  |      |      |       |
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| As varied on the date of this notice   | <p>8. The <b>approval holder</b> must <b>legally secure</b> the minimum offset areas detailed in Table 1 for the <b>rail (west)</b> component within four years of <b>commencement</b> of the <b>specified component</b> of the action. The approval holder must <b>legally secure</b> the minimum offset areas for the other <b>specified components</b> detailed in Table 1 within two years of <b>commencement</b> of those <b>specified components</b> of the action.</p> <p>Table 1. Minimum offset areas required for <b>impacts</b> on <b>EPBC Act listed threatened species and communities</b> and initial contribution to offsets for <b>subsidence impacts</b> from underground mining.</p> <table border="1" data-bbox="309 517 1378 1234"> <thead> <tr> <th>Environmental value</th> <th>Offset for mining operations north of Carmichael River (hectares)</th> <th>Offset for mining operations south of Carmichael River (hectares)</th> <th>Initial offset for underground mining component (hectares)</th> <th>Offset for off-lease infrastructure (hectares)</th> <th>Offset for rail east component (hectares)</th> <th>Offset for rail west component (hectares)</th> </tr> </thead> <tbody> <tr> <td><b>Black throated finch</b> (southern)</td> <td>18204.06</td> <td>10739.39</td> <td>2,000.00</td> <td>7.62</td> <td>2.44</td> <td>46.48</td> </tr> <tr> <td><b>Brigalow ecological community</b></td> <td>15.12</td> <td>721.11</td> <td></td> <td>0.00</td> <td>6.26</td> <td>72.50</td> </tr> <tr> <td><b>Ornamental snake</b></td> <td>96.39</td> <td>38.61</td> <td></td> <td>0.00</td> <td>0.00</td> <td>0.00</td> </tr> <tr> <td><b>Squatter pigeon</b> (southern)</td> <td>1598.00</td> <td>902.00</td> <td></td> <td>0.00</td> <td>0.00</td> <td>0.00</td> </tr> <tr> <td><b>Waxy cabbage palm</b></td> <td>90.00</td> <td>0.00</td> <td></td> <td>0.00</td> <td>0.00</td> <td>0.00</td> </tr> <tr> <td><b>Yakka skink</b></td> <td>3770.48</td> <td>1815.42</td> <td></td> <td>1.87</td> <td>0.60</td> <td>11.63</td> </tr> </tbody> </table> <p><i>Note: Offsets for different species may overlap where they share the same habitat requirements.</i></p> | Environmental value                                               | Offset for mining operations north of Carmichael River (hectares) | Offset for mining operations south of Carmichael River (hectares) | Initial offset for underground mining component (hectares) | Offset for off-lease infrastructure (hectares) | Offset for rail east component (hectares) | Offset for rail west component (hectares) | <b>Black throated finch</b> (southern) | 18204.06 | 10739.39 | 2,000.00 | 7.62 | 2.44 | 46.48 | <b>Brigalow ecological community</b> | 15.12 | 721.11 |  | 0.00 | 6.26 | 72.50 | <b>Ornamental snake</b> | 96.39 | 38.61 |  | 0.00 | 0.00 | 0.00 | <b>Squatter pigeon</b> (southern) | 1598.00 | 902.00 |  | 0.00 | 0.00 | 0.00 | <b>Waxy cabbage palm</b> | 90.00 | 0.00 |  | 0.00 | 0.00 | 0.00 | <b>Yakka skink</b> | 3770.48 | 1815.42 |  | 1.87 | 0.60 | 11.63 |
| Environmental value                    | Offset for mining operations north of Carmichael River (hectares)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Offset for mining operations south of Carmichael River (hectares) | Initial offset for underground mining component (hectares)        | Offset for off-lease infrastructure (hectares)                    | Offset for rail east component (hectares)                  | Offset for rail west component (hectares)      |                                           |                                           |                                        |          |          |          |      |      |       |                                      |       |        |  |      |      |       |                         |       |       |  |      |      |      |                                   |         |        |  |      |      |      |                          |       |      |  |      |      |      |                    |         |         |  |      |      |       |
| <b>Black throated finch</b> (southern) | 18204.06                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 10739.39                                                          | 2,000.00                                                          | 7.62                                                              | 2.44                                                       | 46.48                                          |                                           |                                           |                                        |          |          |          |      |      |       |                                      |       |        |  |      |      |       |                         |       |       |  |      |      |      |                                   |         |        |  |      |      |      |                          |       |      |  |      |      |      |                    |         |         |  |      |      |       |
| <b>Brigalow ecological community</b>   | 15.12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 721.11                                                            |                                                                   | 0.00                                                              | 6.26                                                       | 72.50                                          |                                           |                                           |                                        |          |          |          |      |      |       |                                      |       |        |  |      |      |       |                         |       |       |  |      |      |      |                                   |         |        |  |      |      |      |                          |       |      |  |      |      |      |                    |         |         |  |      |      |       |
| <b>Ornamental snake</b>                | 96.39                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 38.61                                                             |                                                                   | 0.00                                                              | 0.00                                                       | 0.00                                           |                                           |                                           |                                        |          |          |          |      |      |       |                                      |       |        |  |      |      |       |                         |       |       |  |      |      |      |                                   |         |        |  |      |      |      |                          |       |      |  |      |      |      |                    |         |         |  |      |      |       |
| <b>Squatter pigeon</b> (southern)      | 1598.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 902.00                                                            |                                                                   | 0.00                                                              | 0.00                                                       | 0.00                                           |                                           |                                           |                                        |          |          |          |      |      |       |                                      |       |        |  |      |      |       |                         |       |       |  |      |      |      |                                   |         |        |  |      |      |      |                          |       |      |  |      |      |      |                    |         |         |  |      |      |       |
| <b>Waxy cabbage palm</b>               | 90.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0.00                                                              |                                                                   | 0.00                                                              | 0.00                                                       | 0.00                                           |                                           |                                           |                                        |          |          |          |      |      |       |                                      |       |        |  |      |      |       |                         |       |       |  |      |      |      |                                   |         |        |  |      |      |      |                          |       |      |  |      |      |      |                    |         |         |  |      |      |       |
| <b>Yakka skink</b>                     | 3770.48                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1815.42                                                           |                                                                   | 1.87                                                              | 0.60                                                       | 11.63                                          |                                           |                                           |                                        |          |          |          |      |      |       |                                      |       |        |  |      |      |       |                         |       |       |  |      |      |      |                                   |         |        |  |      |      |      |                          |       |      |  |      |      |      |                    |         |         |  |      |      |       |
| As varied on the date of this notice   | <p>11. The BOS must be consistent with the <b>Galilee Basin Offset Strategy</b>, where relevant, relevant recovery plans, threat abatement plans, conservation advices and MNESMP (see Condition 6), including the Black Throated Finch Management Plan (Appendix 1, Section 1, Schedule I, condition I6 of the <b>Coordinator-General's Assessment Report</b>). The BOS must include the following (except for the matters at 11k) and 11l), which apply to the Great Artesian Basin (GAB) Offset Strategy):</p> <ol style="list-style-type: none"> <li>location of species and communities habitat offset areas including maps in electronic Geographic Information System (GIS) format</li> <li>details of how offset sites have been or will be <b>legally secured</b> within required timeframes to ensure their long-term protection</li> <li>a monitoring program for the offset site/s suitable to measure the success of the management measures against stated performance criteria including monitoring locations, parameters and timing</li> <li>a description of the potential risks to the successful implementation of the BOS, and details of contingency measures that will be implemented to mitigate these risks</li> <li>details of how the BOS will be updated to incorporate outcomes from research undertaken for <b>Matters of National Environmental Significance</b> under this and any state approvals, including updating of goals, criteria and triggers (as outlined at Conditions 3c), 3d), 6e) and 6f)). This must include outcomes of baseline research required by the Queensland Coordinator-General to identify whether the <b>Mellaluka Springs Complex</b> provides high value habitat for the black throated finch (Appendix 1, Section 3, Condition 1 of the <b>Coordinator-General's Assessment Report</b>)</li> </ol>                                                                                                                                                                                                                                                                                                                                |                                                                   |                                                                   |                                                                   |                                                            |                                                |                                           |                                           |                                        |          |          |          |      |      |       |                                      |       |        |  |      |      |       |                         |       |       |  |      |      |      |                                   |         |        |  |      |      |      |                          |       |      |  |      |      |      |                    |         |         |  |      |      |       |

- f. an outline of how compliance will be reported
- g. provisions to ensure that **suitably qualified and experienced persons** are responsible for undertaking monitoring, review, and implementation of the BOS
- h. detailed processes for any residual **impacts** on **Matters of National Environmental Significance**, (see Condition 6f)) to be offset in accordance with the **EPBC Act Offsets Policy** including a process for offset requirement to be developed in consultation with **the Department** and relevant Queensland Government agencies
- i. a detailed process for any significant residual impact on any **EPBC listed threatened species or ecological community** not identified in Table 1 to be offset in accordance with the **EPBC Act Offsets Policy** (refer Condition 6l))
- j. in the event that the future baseline research required by the Queensland Coordinator-General (Appendix 1, Section 3, Condition 1 of the **Coordinator-General's Assessment Report**) identifies that the **Mellaluka Springs Complex** provides high value habitat for the **black throated finch**, the **approval holder** must:
  - i. revise **black throated finch** offset requirement in the BOS in accordance with the **EPBC Act Offsets Policy** and submit the revised BOS to **the Minister** for approval
  - ii. management of any additional **black throated finch** offsets in accordance with Conditions 13 and 14 must commence prior to hydrological **impacts** on the **Mellaluka Springs Complex**, with sites being legally secured within two years of that time.

*Requirements for GAB Offsets Strategy*

- k. implementation of an annual GAB offset measure, of returning at least 730 megalitres per annum to the GAB for a minimum five year period from **commencement of excavation of the first box cut**, to offset the predicted annual **water take** associated with the action. This offset measure is to achieve a measurable outcome in accordance with one or more of the following principles:
  - i. reduce current extraction rates from the GAB to increase hydraulic pressure
  - ii. increase pressure in the GAB
  - iii. protect and rehabilitate the GAB springs
  - iv. other measures consistent with government policies and strategies to protect and manage the GAB.
- l. the offset measure described in Condition 11k) is to be developed and delivered in consultation with the Queensland Government department administering the authorisation of the **water take**

*Requirements for offsets for potential **subsidence**, groundwater and water resource **impacts***

- m. details of how staged **subsidence**, groundwater and water resource **impacts** in the **Project Area** will be addressed in the BOS, including:
  - i. description and map of the proposed **stages** of underground mining. The **approval holder** must advise the **Minister** of any changes to these staging details. **Underground mining Stage 1** must be consistent with the corresponding definition in these conditions
  - ii. description of how actual **subsidence**, groundwater and water resource **impacts** for all completed stages (as defined through Condition 11m)(i)) will be assessed at each stage
  - iii. description of the extent, magnitude and timing of actual **subsidence impacts** observed in completed stages (as defined through Condition 11m)(i))
  - iv. description of how actual **subsidence** and groundwater **impacts** from completed stages (as defined through Condition 11m)(i)) will be used to revise and update predicted **impact** areas for future stages

|  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
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|  | <ul style="list-style-type: none"> <li>v. table of predicted <b>impact</b> areas for each <b>EPBC Act listed threatened species and community</b> in Table 1 within the underground mining area (consistent with Condition 6c)) that allows comparison of actual <b>impact</b> areas with initial <b>impact</b> area predictions and updated <b>impact</b> area predictions. If additional <b>impacted</b> areas are identified as a result of the predictions, additional offsets must be implemented in line with Condition 11h)</li> <li>vi. written commitments from the <b>approval</b> holder that the balance of offset requirement at each stage (as defined through Condition 11m)(i)) will be implemented prior to <b>commencement</b> of that stage.</li> <li>n. rationale for the balance of offset required for underground mining <b>impacts</b> to be updated at each underground mining stage (as defined through Condition 11m)(i)) that includes detailed comparison of the ecological status of <b>EPBC Act listed threatened species and communities</b> within the <b>subsidence impact</b> area between baseline conditions and the end of the most recent underground mining stage</li> <li>o. details of how groundwater and water resource <b>impacts</b> on the <b>Matters of National Environmental Significance</b> will be addressed in the BOS including identification of additional potential offsets (see Condition 6f)) for the <b>Carmichael River</b> and <b>Doongmabulla Springs Complex</b>, to be developed in consultation with the <b>Department</b> and relevant Queensland Government agencies</li> <li>p. detail of how the BOS will be revised and provided to <b>the Minister</b> for approval prior to <b>commencement</b> of each underground mining stage (as defined through Condition 11m)(i)) including timeframes for revision that allow three months for review and approval of the plan.</li> </ul> |
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|                                      | <b>Definition</b>                                                                                                                                           |
| As varied on the date of this notice | <u>Galilee Basin Offset Strategy</u> : is the Queensland Government Department's <i>Galilee Basin Offset Strategy (2013)</i> or any future updated version. |