



# Carmichael Mine Project Current and Future Land Management

As work continues at the Carmichael Mine, the Mine team have been planning for future operations and beyond. A key component of that planning is site rehabilitation. "Rehabilitation" or "restoration" refers to the measures and actions used to return land disturbed by activities of mining and exploration operations to a comparable pre-mining standard – with a focus on agricultural grazing at Carmichael Mine.

Like other Queensland mines, Adani's Carmichael Mine outlined its planned approach to rehabilitation of disturbed areas throughout the approval process. This approach was approved by both State and Federal regulators in 2014.

**Comprehensive studies and approvals over the last nine years have informed Adani's thorough approach to land restoration.**



## Our commitment

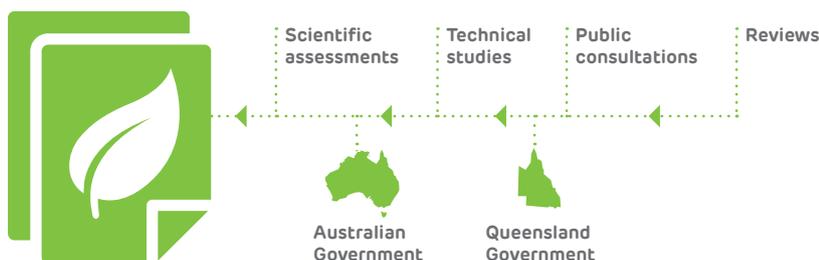
Adani is committed to ensuring that land disturbed by mining activities is progressively rehabilitated to a safe and stable landform that can sustain approved post-mining land uses, mainly grazing.

Following nine years of assessment by both the Queensland and Commonwealth Governments, the

Carmichael Mine has comprehensive and strict conditions about rehabilitation of grazing land after mining activities have finished. These conditions are outlined in detail in the Environmental Authority (the EA), following on from the Environmental Impact Statement (EIS) process.

In addition, the Mine has contemporary conditions from the Queensland Government, which reflect industry best practice and align with the Queensland Government's new legislation ([www.treasury.qld.gov.au/resource/financial-provisioning-scheme/](http://www.treasury.qld.gov.au/resource/financial-provisioning-scheme/)) which Adani like other existing mines will transition to in accordance with the Queensland Government's requirements.

## The Federal and State Government endorsed an Environmental Impact Statement



**Just like all Queensland coal mines, the Carmichael Mine has comprehensive rehabilitation conditions and will be subject to the same rules and conditions that apply to existing coal mines.**

## Our Approach

A full schedule describing the rehabilitation obligations for the Carmichael Mine is outlined within the EA. Final land uses for various habitats across the mine, including a range of areas for grazing, are also outlined in the reports developed as a part of the EIS process.

Further commitments have been approved by the Queensland and Commonwealth Governments in plans such as the Black-Throated

Finch Management Plan and the Groundwater Dependent Ecosystem Management Plan. Those plans include the actions Adani will undertake to rehabilitate disturbed vegetation as a part of our commitment to those species.

Adani will comply with the conditions of our approvals and we will report against these conditions in accordance with the regulators' requirements.

In addition to complying with these strict rehabilitation obligations, Adani has more than 33,000 hectares of conservation areas set aside to compensate for impacts on land. Importantly this 33,000 hectares is about 126 times the size of the initial 10 mtpa development area.

It is also one of the largest privately managed conservation areas in Queensland.

## Our Process

### Before Mining

#### Approvals

Extensive scientific assessments and technical studies were completed to inform the rehabilitation approach, objectives and schedule including final land uses.

Regulators set conditions about rehabilitation in the EA and approved commitments included in Management Plans.



### Mining and landform design

Rehabilitation trials inform post-mining land use planning. Waste rock is placed in line with the landform design, which aims to be stable and allow water to drain freely.



### Progressive Rehabilitation

Rehabilitation is undertaken wherever practical and progressively, according to approval conditions.



### During mining

#### Site Preparation

Land clearing is scheduled to minimise impact on threatened plant and animal species.



### Topsoil and revegetation

Topsoil is stripped, dumped and spread over the shaped landform. Native seeds collected before mining, along with plants selected based on final land use, are used.



### Monitoring

Rehabilitated areas are monitored to track rehabilitation progress and ensure success over time.



### Post Mining

The Queensland Government signs off that the rehabilitation objectives have been met.



## Learn more

Read all about rehabilitation at Carmichael Mine here: [Environmental Authority](#) | [Closure and Rehab Strategy](#)