

EHP and the Galilee Basin

AgForce Field Day – Alpha 2013

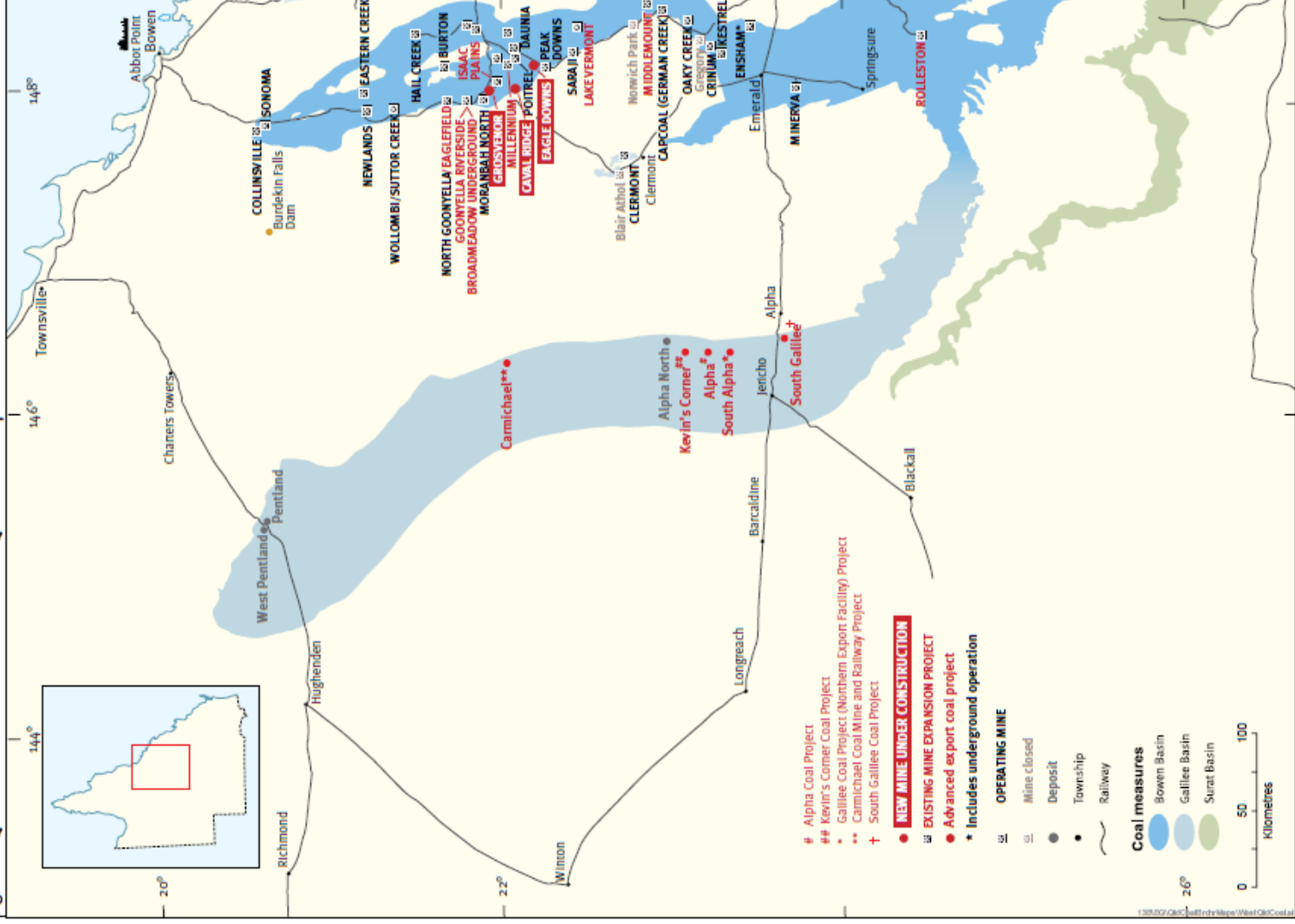
Christopher Loveday – Manager, Mining Department of Environment and Heritage Protection

Overview

1. Galilee Basin Mining
2. EHPs role in relation to mining approvals in the Galilee Basin
3. The EIS assessment process
4. What is an Environmental Authority (EA)
5. Groundwater conditions of an EA vs conditions of a Water Licence

1. Galilee Basin Mining

Figure 2: Queensland's coal – Western-central Queensland map

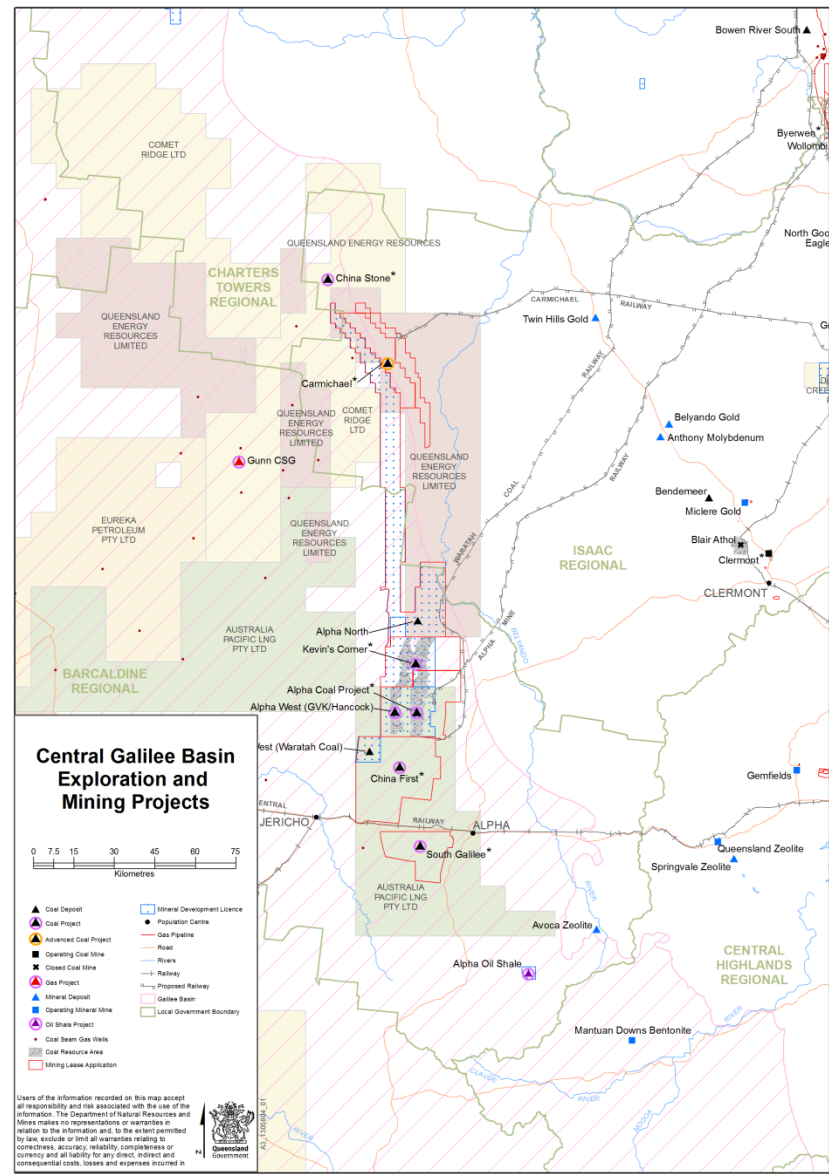


Coal Resources

>6000 Mt Thermal Coal reserves

Multiple Mining Projects

- Alpha Coal Project
- Kevins Corner Project
- Carmichael Coal Project
- China Stone Project
- Galilee Basin Coal Project (China First)
- South Galilee Project
- Alpha North Project



2. EHPs role in the Galilee Basin

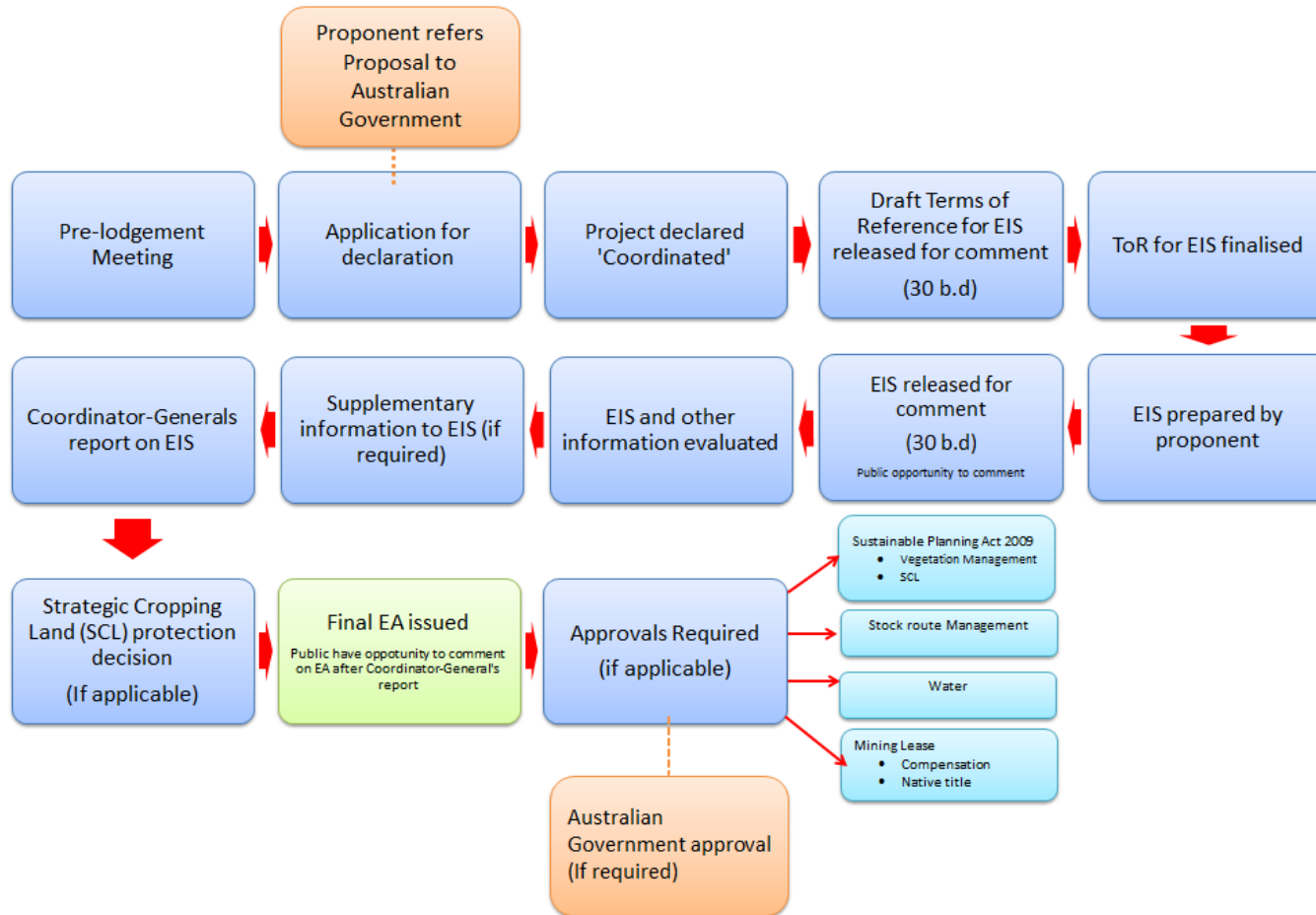
- Assessment of proponents EIS documents and associated EA application documents
- Condition negotiation and development based on site specific issues
- Receipt and assessment of monitoring information from EA holders
- Ongoing compliance activities associated with mining operations and progressive rehabilitation of site
- Lead agency dealing with complaints associated with mining activities

3. The EIS assessment process

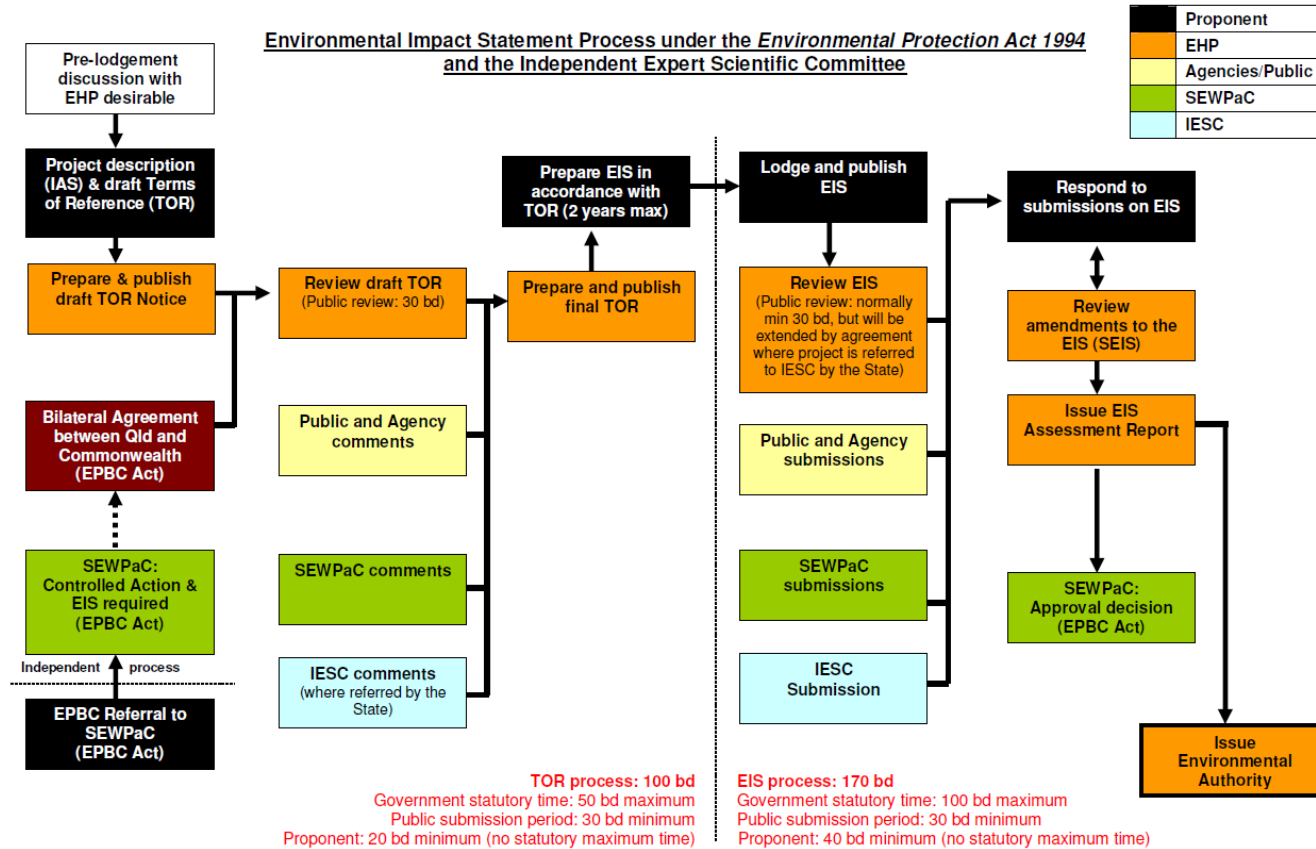
Environmental impact assessment is intended to:

- ensure that proponents assume primary responsibility for protection of any environmental values that may be affected by their proposals;
- address environmental management for the expected life of proposals;
- contribute to statutory decisions on whether a proposal should proceed, and if so, decide what environmental management and monitoring conditions should apply; and
- where legislation allows, incorporate community and stakeholder views in assessment and decision-making processes.

3.1. The EIS Process – Coordinated Project



3.2. EIS Process – *Environmental Protection Act 1994*



4. What is an Environmental Authority

Permit¹

Environmental Protection Act 1994

Environmental Authority (Mining Lease) Non Code Compliant Level 1 Mining Project

Permit¹ Number: MIN101016810 – Kevin's Corner Coal Mine

This permit is issued by the administering authority to authorise the activity specified in the permit in accordance with the conditions specified in the permit. This decision was made pursuant to Section 208 of the Environmental Protection Act 1994.

Takes effect: Date of Grant of Tenure

Details

Permit Holder(s)	Name	Address
Principal	Hancock Galilee Pty Ltd	GPO Box 968 Brisbane QLD 4001

Activity(ies)	Location(s)
5 Mining black coal Schedule 6, <i>Environmental Protection Regulation 2008</i> 9(3)(b) Chemical storage Storing the following total quantity of chemicals of class C1 or C2 combustible liquids under AS1940 or dangerous goods class 3: more than 500m ³ Schedule 2, <i>Environmental Protection Regulation 2008</i> 16(1) Fuel Burning Using fuel burning equipment that is capable of burning at least 500kg of fuel in an hour. Schedule 2, <i>Environmental Protection Regulation 2008</i> 16(3)(2)(b) Extractive and Screening Activities Extracting, other than by dredging, in a year, the following quantity of material: - more than 100000t Schedule 2, <i>Environmental Protection Regulation 2008</i> 18(2)(b) Bollemaking of Engineering Carrying out the relevant activity for producing, in a year, the following quantity of metal product: - more than 1000t Schedule 2, <i>Environmental Protection Regulation 2008</i> 21(2)(2)(b) Mineral Processing Processing, in a year, the following quantities of mineral productions, other than coke: - more than 100000t Schedule 2, <i>Environmental Protection Regulation 2008</i> 26(1) Crushing, grinding, milling or screening Crushing, grinding, milling or screening more than 5000t of material in a year. Schedule 2, <i>Environmental Protection Regulation 2008</i> 26(1)(3) Surface Coating Anodising, electroplating, enamelling or galvanising, using, in a year, the following quantity of surface coating materials: - more than 1000t Schedule 2, <i>Environmental Protection Regulation 2008</i> 26(2)(b) Surface Coating Coating, painting or powder coating, using, in a year, the following quantity of surface coating materials: - more than 100t Schedule 2, <i>Environmental Protection Regulation 2008</i>	Mining Lease (application) 70425

¹ Permit includes licences, approvals, permits, authorisations, certificates, sanctions or equivalent/similar as required by legislation administered by the Department of Environment and Heritage Protection

5. Conditions of an EA vs Water Licence

- EA issued under *Environmental Protection Act 1994*
- WL issued under *Water Act 2000*
- EA conditions all aspects of the mining operation (including any potential impacts on groundwater) based on impacts to environment values
- WL conditions impacts to the water resource (including groundwater) based on take and/or interference. Including impacts on existing water supplies
- Government works together to issue complimentary approvals, not contradictory approvals.

Moving Forward - Model Conditions

Department of Environment and Heritage Protection

Guideline

Mining

Model mining conditions

The purpose of this guideline is to provide a set of model conditions to form general environmental protection commitments given for mining activities, and environmental authority conditions for resource activities - mining activities imposed by the administering authority under the Environmental Protection Act 1994.

Introduction

The *Environmental Protection Act 1994* (EP Act) provides for the granting of environmental authorities for resource activities - mining activities.

In giving approval under the EP Act, the administering authority must address the regulatory requirements set out in the Environmental Protection Regulation 2008 and the standard criteria contained in the EP Act. The administering authority will give consideration to these regulatory requirements in the context of specific information about the environmental impacts of a particular project provided through an environmental impact statement or application documents.

The following model conditions may be used as a basis for proposing environmental protection commitments in the application documents. They may also be used to expedite the process of developing appropriate conditions for an environmental authority for a mining project in consultation with the administering authority.

The model conditions can be modified to suit the specific circumstances of a mining project subject to the assessment criteria outlined above. In such circumstances, variants of these conditions and/or different conditions may be applied at the discretion of the administering authority delegate and in consultation with the applicant. It is unlikely the administering authority will accept less rigorous environmental protection commitments or environmental authority conditions without clear evidence that the risk of the particular type of environmental harm addressed by those model conditions is otherwise addressed to at least the same extent by:

- a) the specific environmental management practices to be implemented
- b) technologies to be used; or
- c) the nature of the environmental values impacted by the project.

To meet the test of 'necessary or desirable' it is considered that a condition will meet this test if a demonstrable link exists to achieving the object of the EP Act. It is considered that conditions relating to monitoring and reporting under the issued authority allow the administering authority to assess the accuracy of information and assumptions made in the application and allow the detection of any trend toward environmental harm resulting from the activity.

Page 1 of 70 • 130626 • EM944 • Version 4

ABN 46 640 294 485

Great state. Great opportunity.

