

NOTIFICATION OF INTENT TO DEVELOP

NEAS Not yet received
Reference:

DEA Not yet received
Reference:

Digby Wells XST 1716
Reference:

DMR Not yet received
Reference

HERITAGE STATEMENT FOR THE ZANDBAKEN COAL MINE PROJECT, ZANDBAKEN 585 IR, SANDBAKEN 363 IS AND BOSMANS SPRUIT 364 IS, STANDERTON, MPUMALANGA

1 INTRODUCTION

Digby Wells Environmental (Digby Wells) has been requested by Xstrata Coal South Africa (Xstrata Coal) to submit a Heritage Statement for the following:

- Zandbaken Coal Mine Project

1.1 Project Location

Name of property/ies	Zandbaken Coal Mine
Street address or location (e.g.: Off R44)	Off R547
Erf or farm number/s	Zandbaken 585 IR Sandbaken 363 IS Bosmans Spruit 364 IS
Coordinates of approximate centre of project area	S 26°45'54.76" E 29° 0'14.89"
Province	Mpumalanga
Town or District	Gert Sibande District
Responsible Municipality	Lekwa Local Municipality
Extent of property	2 890 ha
Maximum extent of proposed development	2 890 ha
Current use	Agriculture
Predominant land use/s of surrounding properties	Farming, residential

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Directors: AR Wilke, LF Koeslag, PD Tanner (British)*, AJ Reynolds (Chairman) (British)*, J Leaver*, GE Trusler (C.E.O)
*Non-Executive

1.2 Registered Owners of Properties

Name	Property	Notified
Lane Reynolds Trust	Zandbaken 585 IR Portion 1	Yes
The Republic of South Africa	Zandbaken 585 IR Portion 3	Will be notified in mid-November 2012
A H Cronje Trust	Zandbaken 585 IR Portion 5	Yes
Abraham Hermanus Cronje	Sandbaken 363 IS Portion 1	Yes
PJ Cronje & Seuns (Pty) Ltd	Sandbaken 363 IS Portion 2	Yes
Abraham Hermanus Cronje	Sandbaken 363 IS Portion 3	Yes
Dick Kerslake Family Trust	Sandbaken 363 IS Portion 4	Yes
Disc Kerslake Family Trust	Sandbaken 363 IS RE	Yes
Sutcliffe Family Trust	Bosmans Spruit 364 IS Portion 3	Yes
The Republic of South Africa	Bosmans Spruit 364 IS Portion 6	Will be notified in mid-November 2012

2 PROJECT DETAILS

Xstrata Coal South Africa (Xstrata Coal) was granted a Prospecting Right in terms of Section 17 of the Mineral and Petroleum Resources Development Act, 2002 (Act No. 28 of 2002) (MPRDA) for the farms Zandbaken 585 IR, Sandbaken 363 IS and Bosmans Spruit 364 IS in the Gert Sibande District Municipality (formerly the Standerton District Municipality) of the Mpumalanga Province. This Prospecting Right will expire on 2 December 2012. Xstrata Coal is therefore applying for a Mining Right Application (MRA) for the proposed Zandbaken Coal Mine ('Zandbaken Project) which will be submitted to the Regional Office of the Department of Mineral Resources (DMR), Mpumalanga in November 2012.

The proposed Zandbaken Project area is a greenfields area of approximately 2 890 ha. Xstrata Coal is currently evaluating the potential mining of the coal reserves in the Zandbaken Project area via underground mining methods.

Digby Wells Environmental (Digby Wells) has been appointed by Xstrata Coal to conduct an Environmental Impact Assessment (EIA) with associated specialist studies in support of the

MRA in accordance to both the MPRDA and the National Environmental Management Act, 1998 (Act No. 107 of 1998) (NEMA).

2.1 NHRA Section 38 Triggers

The following aspects of Section 38 of the NHRA may be triggered by the proposed project.

NHRA Section 38 (1) Activities / Triggers		Summary description (E.g. 500 m conveyor belt, open cast pit, etc.)	
<input type="checkbox"/>	a	Any linear development or barrier >300 m	
<input type="checkbox"/>	b	Any bridge or similar structure >50 m	
<input type="checkbox"/>	c	Any development or activity that will change the character of a site:	
<input type="checkbox"/>	i	≥5 000m ² in extent	
<input checked="" type="checkbox"/>	ii	Involving ≥3 existing erven/ subdivisions	Three farms are affected by the project: Zandbaken 585 IR, Sandbaken 363 IS and Bosmanspruit 364 IS
<input type="checkbox"/>	iii	Involving ≥3 or more erven/ divisions consolidated within past 5 years.	
<input checked="" type="checkbox"/>	d	Rezoning of a site ≥10 000m ² in extent.	The area is currently a greenfields area and currently zoned as an agricultural zone. Rezoning may be required for mining activities.
<input checked="" type="checkbox"/>	e	Other triggers, e.g.: in terms of other legislation, (i.e.: National Environment Management Act, etc.)	NEMA and MPRDA

2.2 Activities

The following activities will take place during the lifespan of the proposed project.

NEMA Activity No.	NHRA Trigger	Description	Expected duration/phase
GNR 544-21	38(1)(a)	Construction of any infrastructure e.g. haul roads, pipes, storm water diversion berms (including transportation of material and stockpiling)	Construction Phase

2.3 Additional Impact Assessment Process

The following impact assessment processes are currently being undertaken for the proposed project.

Legislation, i.e. NEMA, MPRDA, etc.	MPRDA and NEMA
Consenting Authority that has/will receive information	DMR and DEA
Present phase of process at Authority, e.g. Draft Scoping Report	Draft Scoping Report

3 IDENTIFIED/KNOWN HERITAGE RESOURCES AND POTENTIAL IMPACTS

The following categories of heritage resources as defined in Section 3 of the NHRA are known to occur within the proposed project area.

<input checked="" type="checkbox"/>	3(2)(a)	Places, buildings, structures and equipment of cultural significance
		<i>Description of resource:</i> Old railway, old farm complexes, residential settlements and homesteads potentially older than 60 years
		Potential impact: <ul style="list-style-type: none"> ■ Structural damage caused by blasting or vibrations; ■ Vandalism and /or property damage due to the influx of workers; ■ Visual impacts on the historical town of Val; and ■ Visual impacts and possible structural change due to urban improvement caused by an influx of economic activities.

<input type="checkbox"/>	3(2)(b)	Places to which oral traditions are attached or which are associated with living heritage
		<i>Description of resource:</i>
		<i>Potential impact:</i>
<input checked="" type="checkbox"/>	3(2)(c)	Historical settlements and townscapes
		<i>Description of resource:</i> Val



		<p><i>Potential impact:</i></p> <ul style="list-style-type: none"> ■ Structural damage caused by blasting or vibrations; ■ Vandalism and /or property damage due to the influx of workers; ■ Visual impacts on the historical town of Val; and ■ Visual impacts and possible structural change due to urban improvement caused by an influx of economic activities.
<input checked="" type="checkbox"/>	3(2)(d)	<p>Landscapes and natural features of cultural significance</p>
		<p><i>Description of resource:</i> Battlefields if they are close enough</p>
		<p><i>Potential impact:</i></p> <ul style="list-style-type: none"> ■ Structural damage caused by blasting or vibrations; ■ Vandalism and /or property damage due to the influx of workers; ■ Visual impacts on the historical town of Val; and ■ Visual impacts and possible structural change due to urban improvement caused by an influx of economic activities.
<input type="checkbox"/>	3(2)(e)	<p>Geological resources of scientific or cultural importance</p>
		<p><i>Description of resource:</i></p>
		<p><i>Potential impact:</i></p>
<input type="checkbox"/>	3(2)(f)	<p>Archaeology and/or palaeontology (<i>Including archaeological sites and material, fossils, rock art, battlefields & wrecks</i>)</p>
		<p><i>Description of resource:</i></p>
		<p><i>Potential impact:</i></p>

<input checked="" type="checkbox"/>	3(2)(g)	<p>Graves and burial grounds (<i>e.g.: ancestral graves, graves of victims of conflict, historical graves & cemeteries</i>)</p>
		<p><i>Description of resource:</i> High likelihood of semi-formal and informal burial grounds to exist</p>
		<p><i>Potential impact:</i></p> <ul style="list-style-type: none"> ■ accidental damage or destruction
<input type="checkbox"/>	3(2)(a)	<p>Other human remains</p>

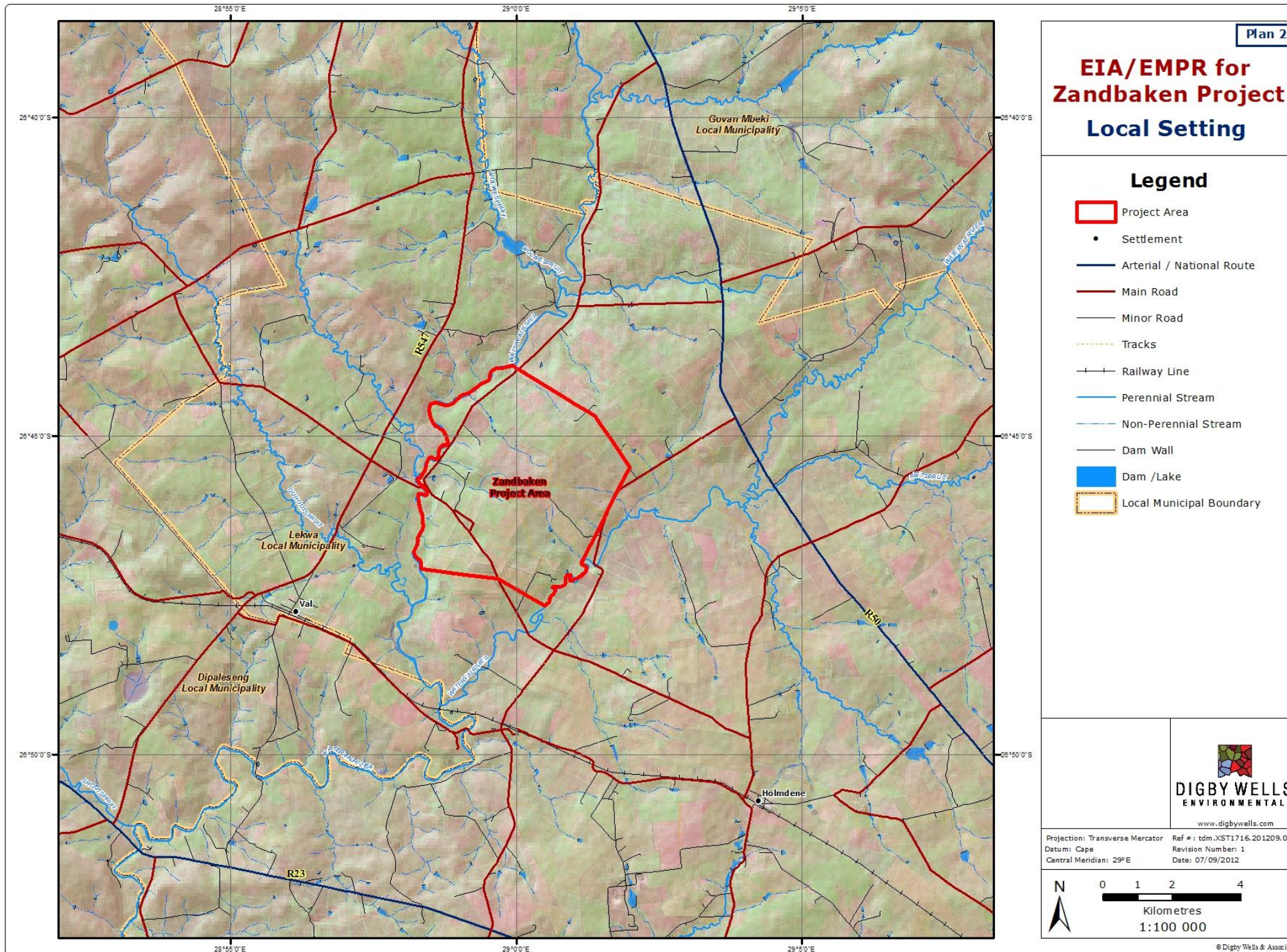


		Description of resource:
		Potential impact:
<input type="checkbox"/>	3(2)(h)	Sites of significance relating to the history of slavery in South Africa
		Description of resource:
		Potential impact:
<input type="checkbox"/>	3(2)(i)	Movable objects
		Description of resource:
		Potential impact:

3.1 Illustrative Material

Plan 2 below illustrates the local setting of the Zandbaken Project area. For additional maps, please refer to the attached Heritage Statement.

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4 RECOMMENDATION

Is a Heritage Impact Assessment required?		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
If NO, provide motivation:			
If YES, provide suggested components that may be required or undertaken during HIA.			
<input checked="" type="checkbox"/>	Archaeology	<input type="checkbox"/>	Architecture
<input checked="" type="checkbox"/>	Built Environment	<input checked="" type="checkbox"/>	Burial Grounds and Graves
<input type="checkbox"/>	Palaeontology	<input checked="" type="checkbox"/>	Public Participation
<input checked="" type="checkbox"/>	Townscapes	<input checked="" type="checkbox"/>	Visual Impact
<input type="checkbox"/>	Other:		
Recommendation made by:			
Name: Johan Nel			
Capacity: CRM Unit Manager – Digby Wells Environmental (Digby Wells)			