

2013 KUMBA IRON ORE Phase I Flexicadaastre Implementation for RSA Prospecting Right Management

Flexicadaastre User Conference 2014



*Tankiso Mabote (Senior Specialist - GIS)
Kumba Iron Ore*

Overview

1. Introduction
2. Challenge
3. Objective
4. Why Flexicadastre?
5. Implementation
 - Scoping
 - Project Team
 - Business Process Mapping
 - Workshops
 - Software Installation
 - System Configuration
 - Data Import
 - Training
 - Use Acceptance Testing
6. Obstacles
7. Conclusion



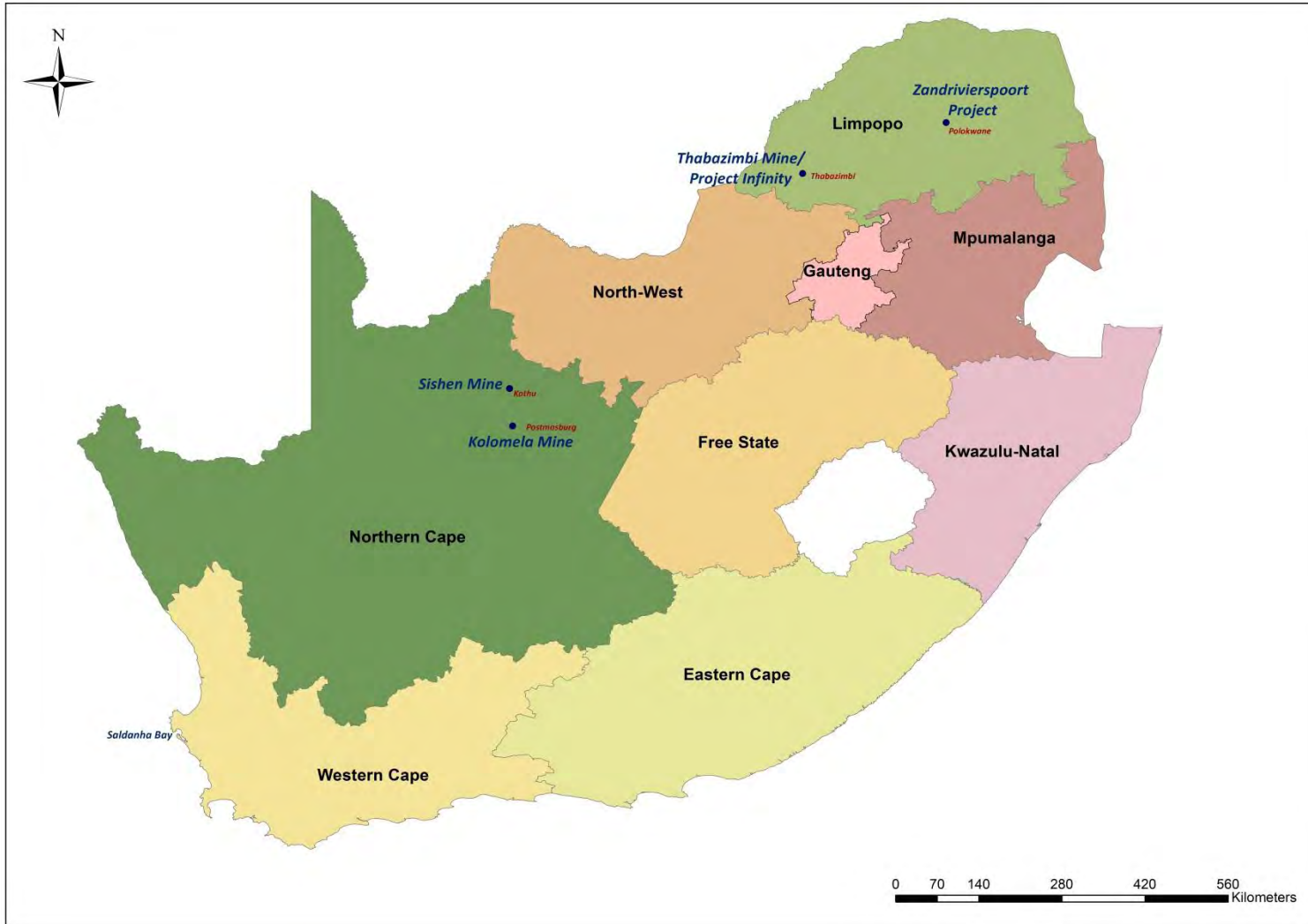
1. INTRODUCTION

About Kumba Iron Ore

- Kumba Iron Ore is a member of the Anglo American plc group
- Value-adding supplier of high quality iron ore to the global steel industry
- Production per annum 43.1 million tonnes (Mt) in 2012
- Mining Operations (Sishen, Kolomela, Thabazimbi)
- Port Operations (Saldanha Bay)
- 7000 Full time employees and 4000 contractors

1. INTRODUCTION

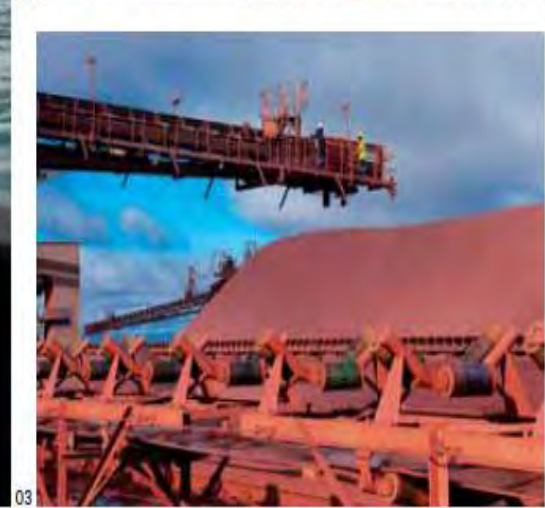
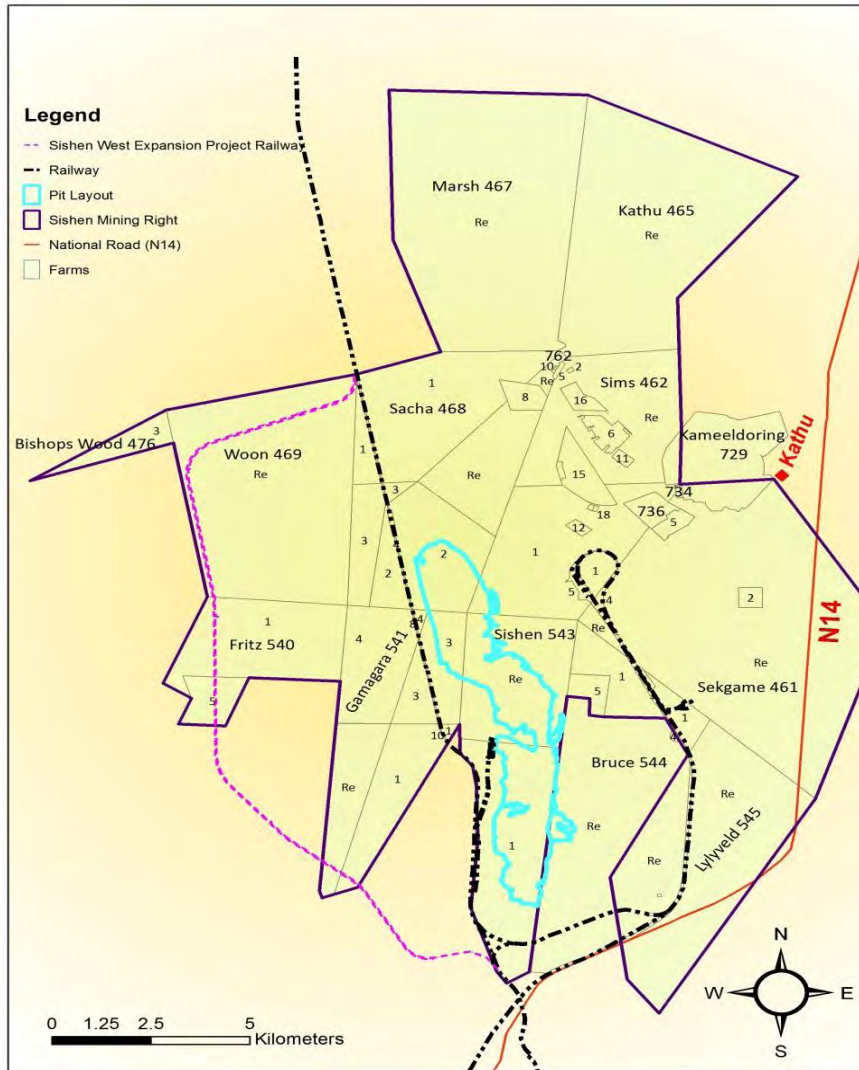
Operations & Projects

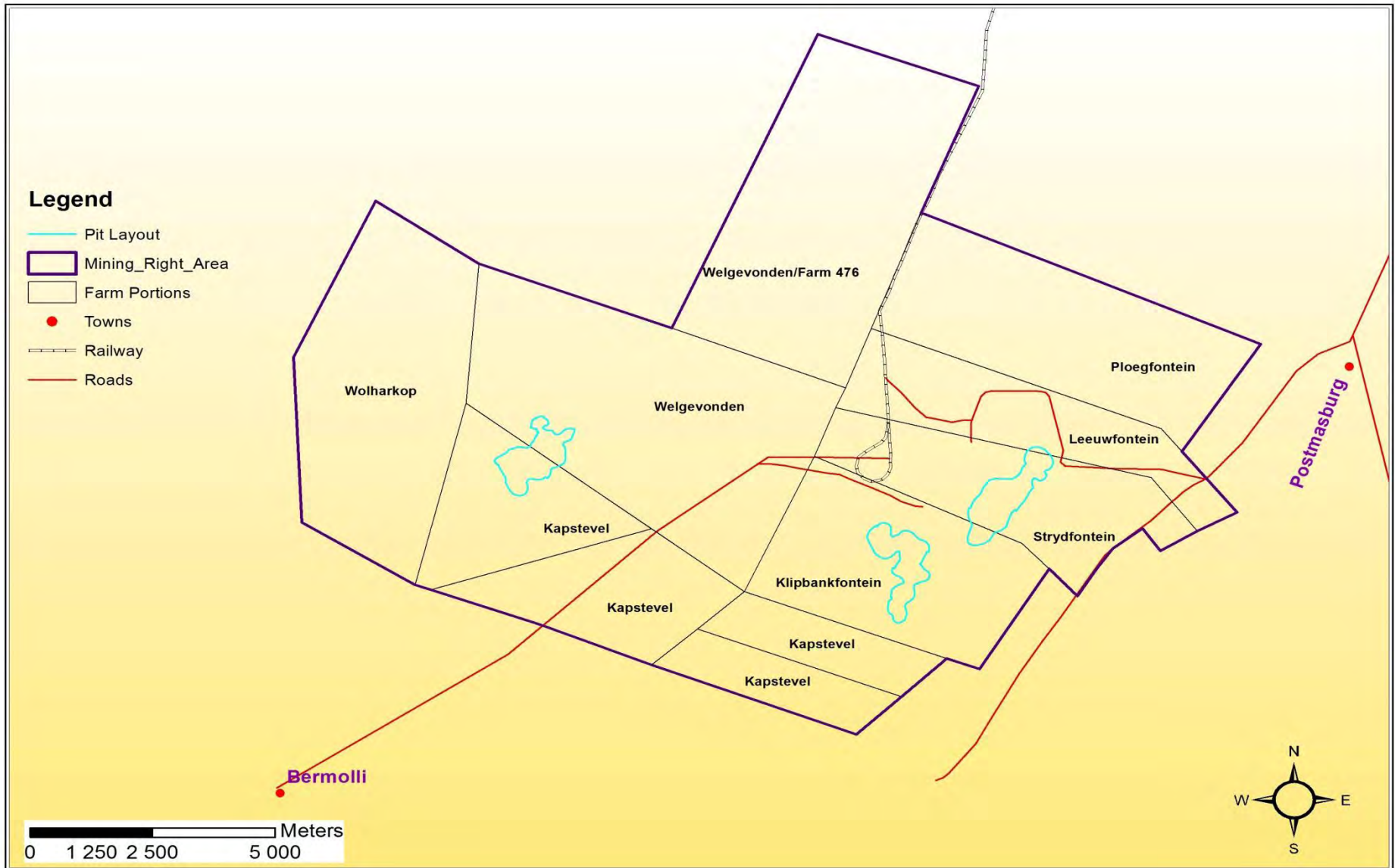


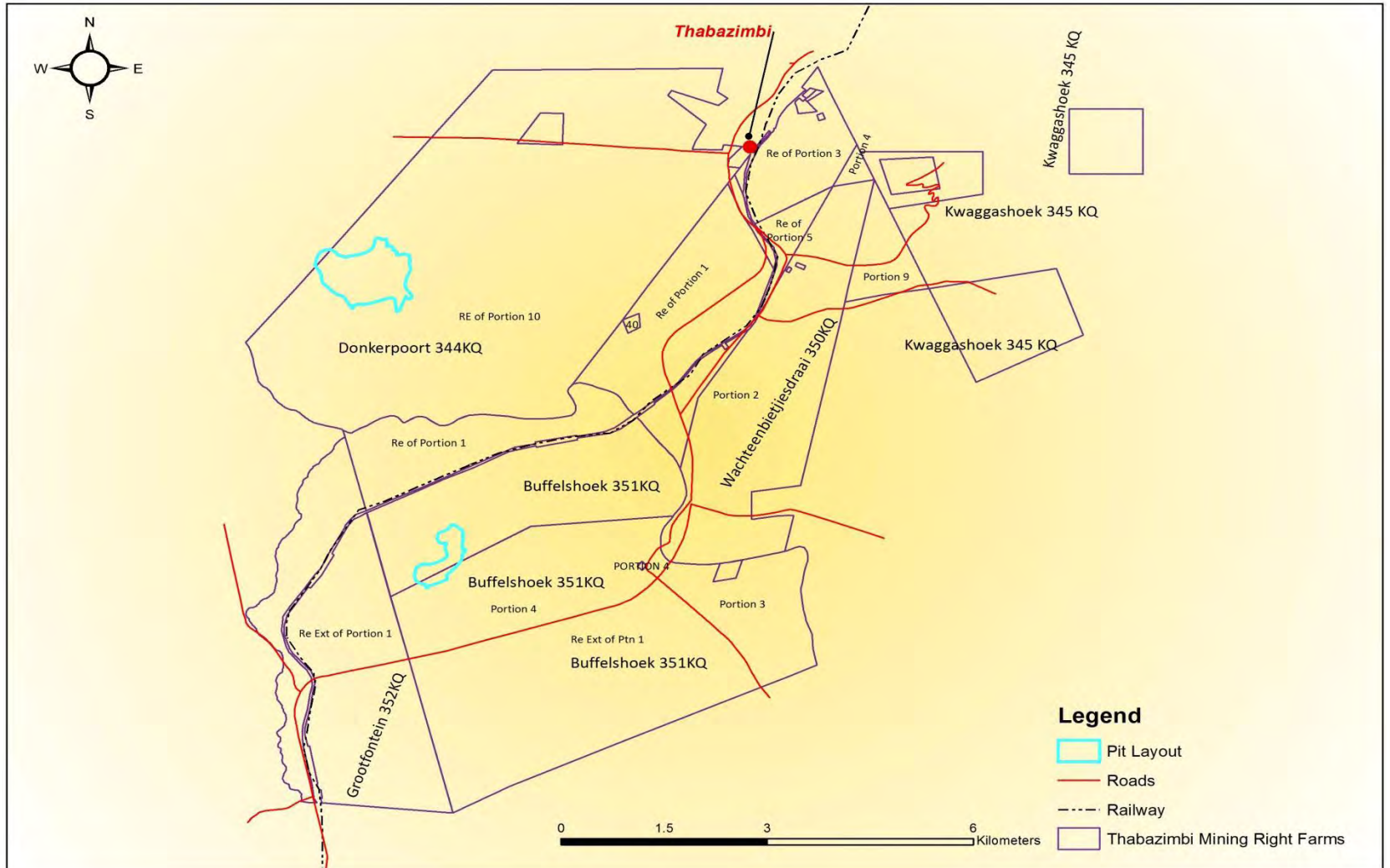
1. INTRODUCTION

Rights


- Surface Rights – 108 Farm Portions
 - 25 (12 active) Prospecting Rights – 116 Farm Portions
 - 4 Mining Rights – 65 Farm Portions
- 








2. CHALLENGE

- Legacy system based on MS Excel
 - Not web-based
 - Spatial and attribute info not integrated
 - Not workflow driven
 - Does not ensure compliance to legislation
- 

3. OBJECTIVE

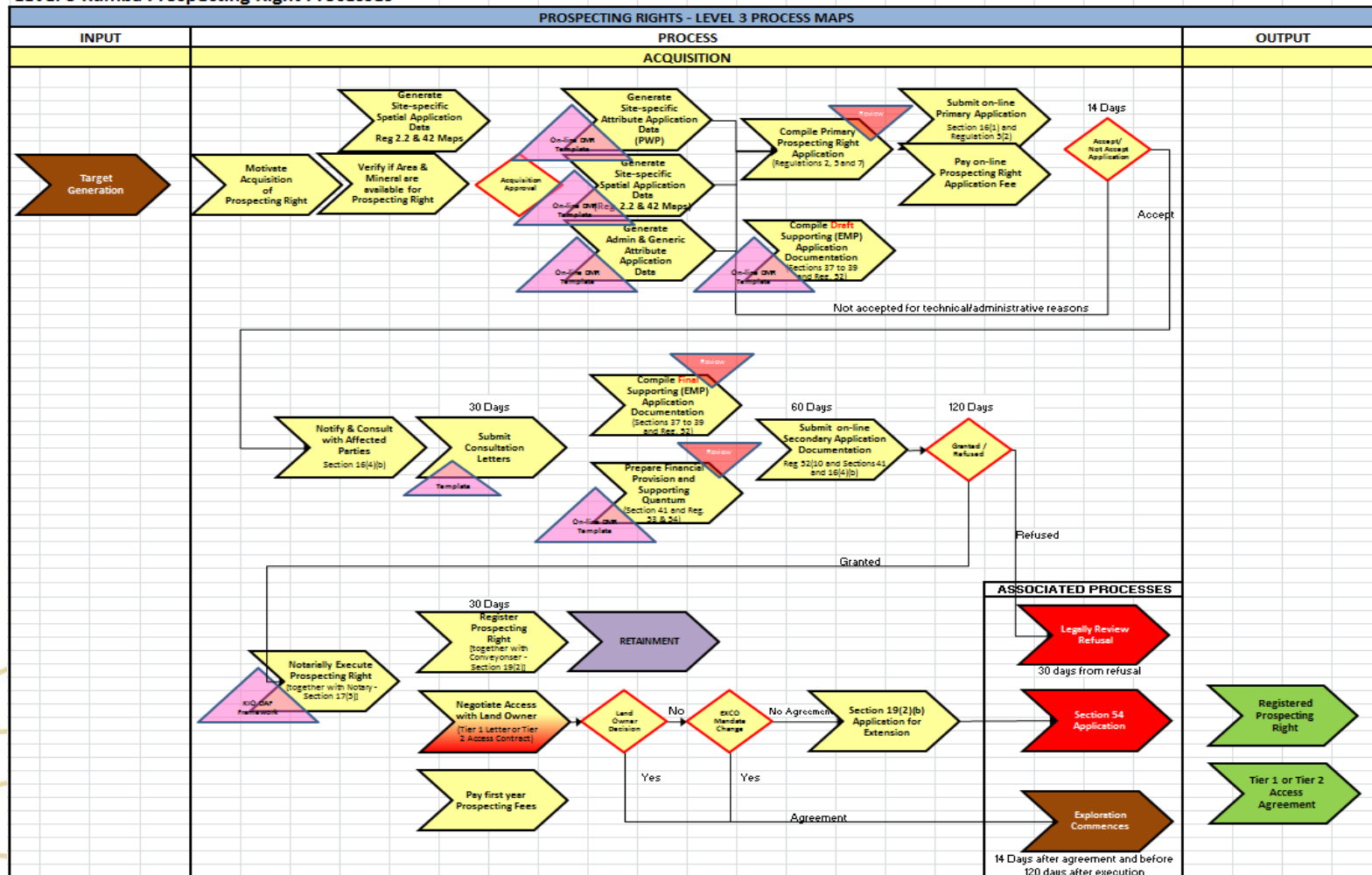
- Ensure land is actively and efficiently administered
- Minimise corporate risk – trigger events and reporting
- Integrate spatial and attribute data for prospecting rights
- Better manage third party access agreements
- Avoid loss of prospecting right

4. WHY FLEXICADASTRE?

- Anglo group standard for mineral rights management (considered best practice in industry)
 - Scalability
 - Integration of spatial data with attribute data
 - Adaptability to match External (adherence to MPRDA) and Internal (Kumba governance processes) requirements
- 

5. IMPLEMENTATION

Process Mapping

Level 3 Kumba Prospecting Right Processes


5. IMPLEMENTATION

RACI Matrix

A - Accountable, R_E - Responsible for Execution, R_M - Responsible for Management (guidance and coordination), C - Consult and I - Inform

OPERATIONS / PROJECTS	INPUT		ACQUISITION																					
			1a	1b	1c	2a	2b	2c	2d	4a	2e	3a	3b	4b	4c	4c	5a	6a	3c	3d	7a	8a		
	Target Generation	Exploration	Motivate Acquisition of Prospecting Right	Verify if Area & Mineral are available for Prospecting Right	Acquisition Approval	Generate Site Specific Attribute Application Data (PWP)	Generate Site-specific Spatial Application Data (Reg 2.2 & 4.2 Maps)	Generate Admin and Generic Attribute Application Data	Compile Primary Prospecting Right Application	Compile Draft Supporting EMP Application Documentation	Lodge Application and Pay Prospecting Right Application Fee	Notify and Consult with Affected Parties	Submit Consultation Letters	Compile Final Supporting EMP Application Documentation	Prepare Financial Provision and Supporting Quantum	Submit Secondary Application Documentation	Notarially Execute Prospecting Right	Register Prospecting Right	Negotiate Access with Land Owner	Section 19(2)(b) Application for extension	Section 54 Application	Legally Review Refusal		
Kumba Corporate Office																								
Data Analyst			I	R _E				R _E	R _E		R _E		R _E			R _E	C	R _E		R _E				
Senior GIS Specialist			I																					
Environmental Manager											C		I	I									I	
Principal - Exploration			R _M		I	R _M				R _M	I	R _M		R _M	R _M			I	I	R _M	I	I		
Principal - Mineral Resources			I	R _M	I		R _M	R _M	R _M		R _M	C	R _M			R _M	C	R _M		R _M	I			
Head - Geosciences			A	A		A	A	A	A		A	A	A	I	I	A	R _E	A		A	I			
Legal Compliance Officer																						R _E	R _E	
Head - Legal																		I	I			A	A	
Head - Environmental Management									A					A	A					A				
Head - Business Development																								
Executive Head - Technical Services					C													R _M	I			C	C	
Principal - Geotech and Geohydrology																								
AApic																								
Draughtsman							R _E																	
Paralegal Officer										C														
Head of Mining and Property Law - SA																		I	I	R _E				

5. IMPLEMENTATION

Scoping

- After solution research, invited Spatial Dimension to present to Executive Head - Technical Services
- Contracted to do scoping exercise:
 - Review existing land management systems at Kumba
 - Understand Kumba requirements versus Flexicadastre system functionality
 - Review PR business processes and workflows
 - Review system deployment architecture

5. IMPLEMENTATION

Scoping - Deliverables

- Business rule creation and workflow definition
- Association of documentation (AA, approvals)
- Payment schedules and obligations (fees, royalties)
- GIS functionality
- SharePoint connector
- Single sign-on using MS Active Directory

5. IMPLEMENTATION

Scoping - Deliverables



- Monthly Status Summary Report (dates)
- Audit Trail

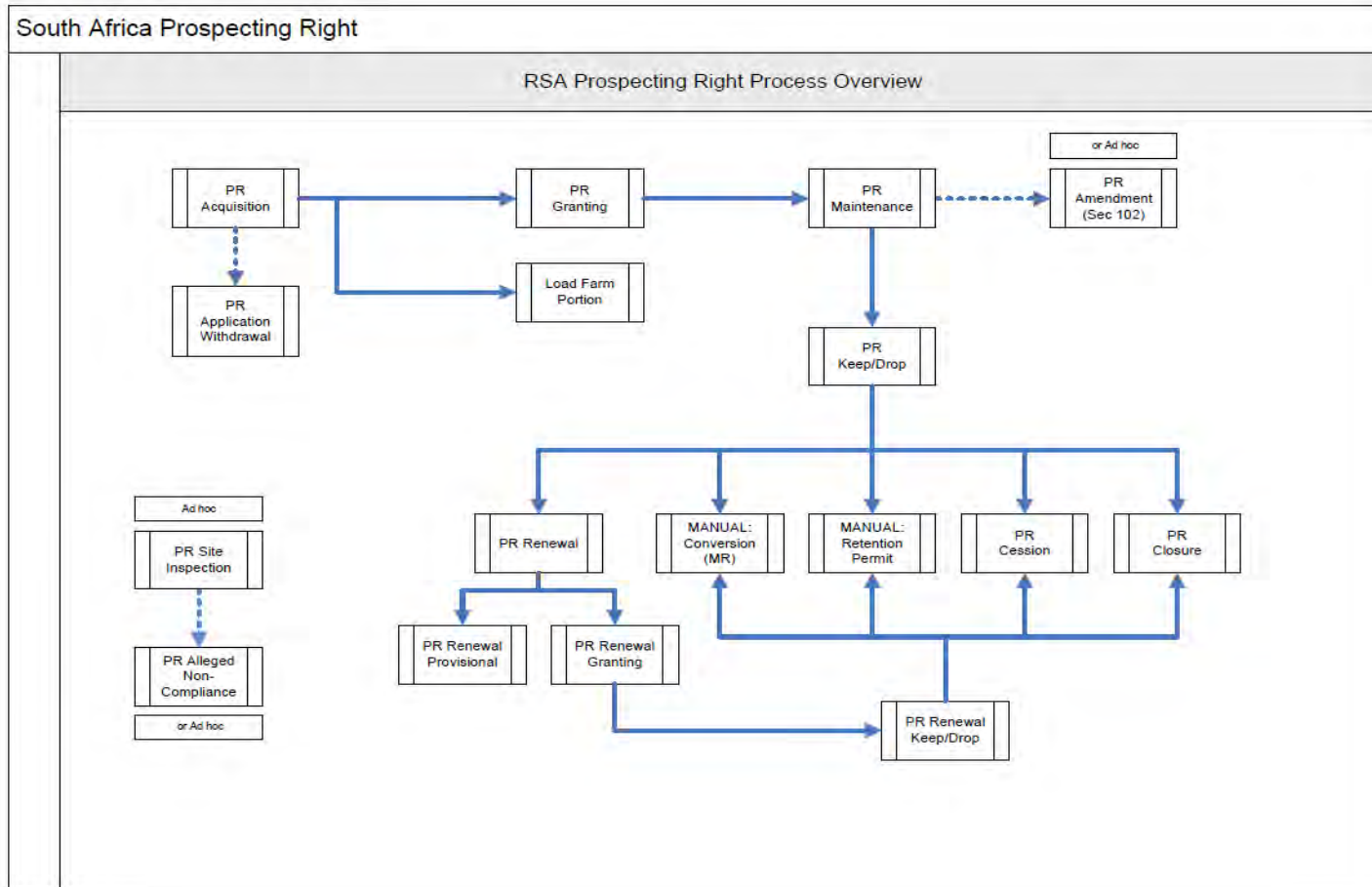
5. IMPLEMENTATION

Project Team - Kumba

Name	Role/Responsibility - Project	Role/Responsibility – Post Project Implementation
Daleen Dudley	Project Manager – Overall delivery of the project	None
Stuart MacGregor	Project Owner/Business Lead – Technical inputs into Prospecting Rights to ensure business needs are met	Prospecting Right Management
Jean Britz	Project Sponsor – Provide expert knowledge on workflows, data, verify requirements, user acceptance test and jurisdiction needs	Co-responsible for Prospecting Right Management
Wandisile Mandlana	Legal Compliance – Anglo Group Legal	Legal Counsel
Lukas van Kasterop	Information Management – Vendor contracts and escalation, network and systems set-up (Capital Release, Project Management and Hosting)	Maintain System – SMA/SLA
Tankiso Mabote	GIS Data Management – Capturing the Spatial Data	Flexicadastre Administrator and Super User
Amanda Vonk	Data Analyst/Administration – Administration of the Prospecting Rights	Super User of Flexicadstre

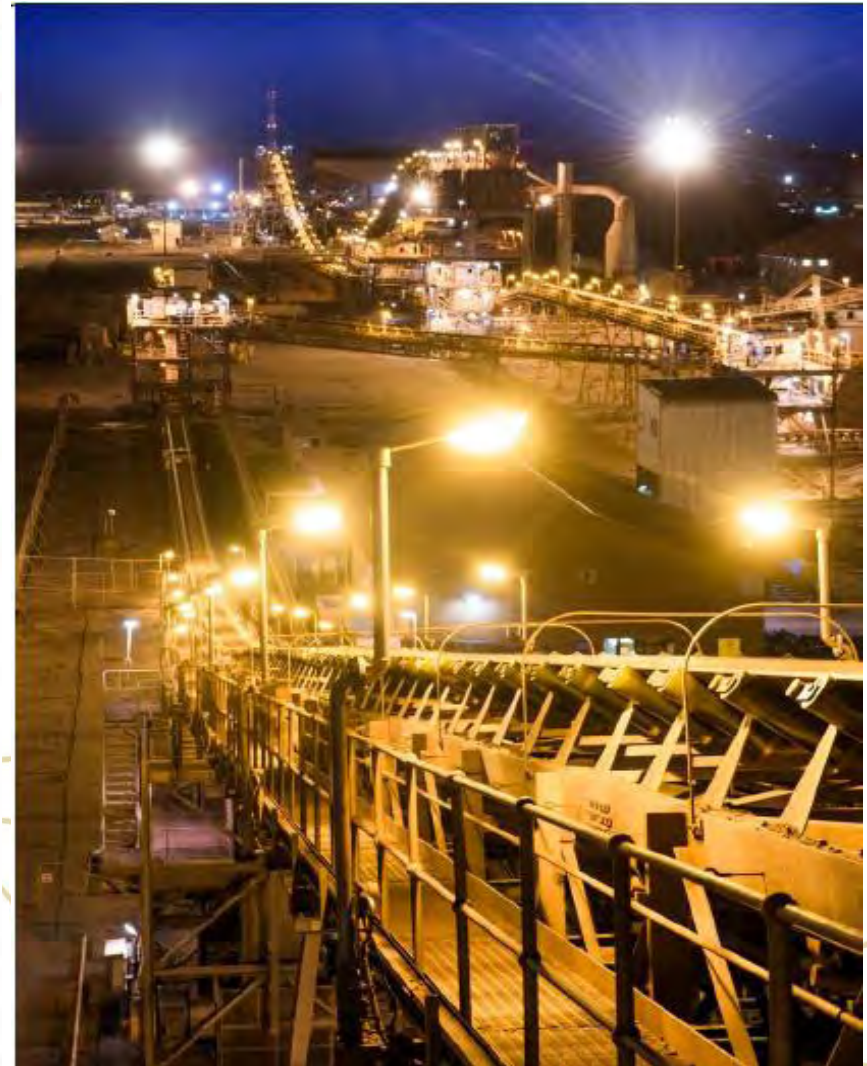
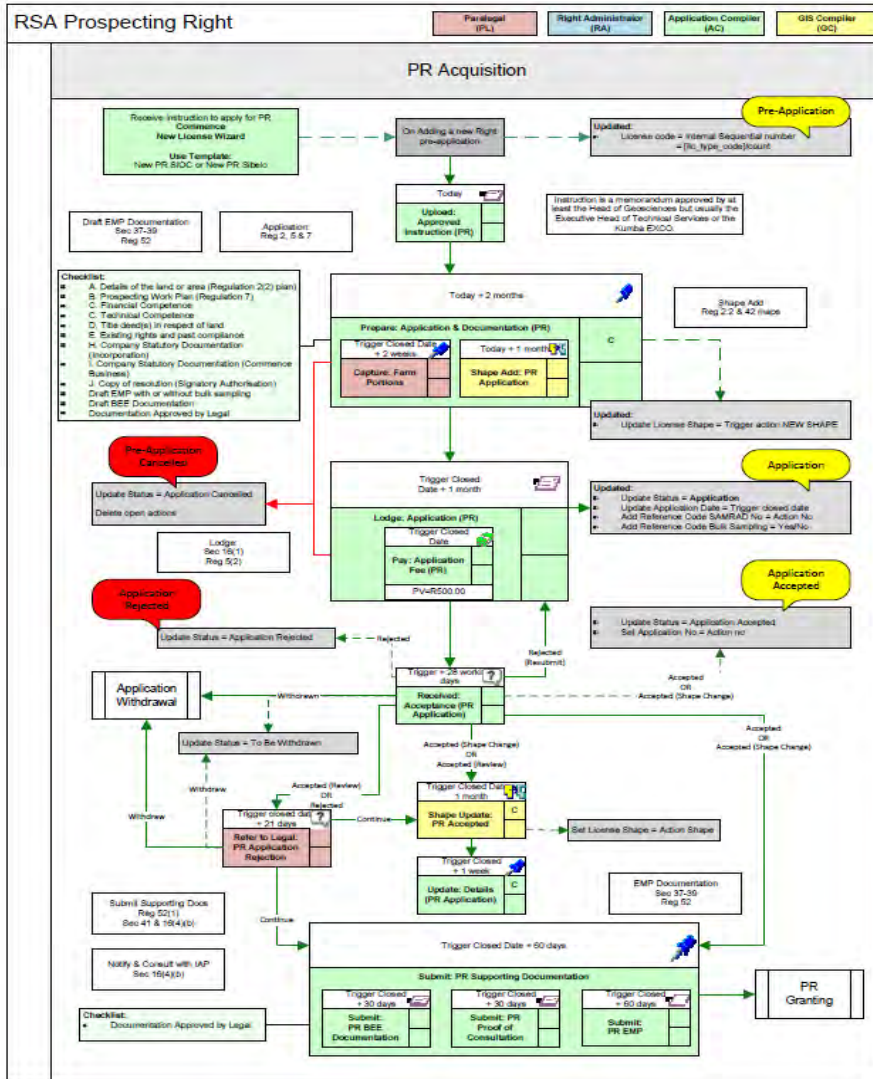
5. IMPLEMENTATION

Overview



5. IMPLEMENTATION

Flexicadastre Configuration



5. IMPLEMENTATION

Data Import – PR Lodge



A. Details of the land or area (Reg. 2(2) plan)

C. Financial Competence

C. Technical Competence

D. Title deed(s) in respect of land

E. Existing rights and past compliance

H. Company Statutory Doc. (Incorporation)

I. Company Statutory Doc. (Commence Business)

J. Copy of resolution (Signatory Authorisation)

EMP with or without bulk sampling

BEE Documentation

Action with Checklist items

http://kizapta006/FlexiCadastrKumba/FlexiCadastr.htm
FlexiCadastr

flexi cadastre

PRODUCTION

Kumba Iron Ore (5.1.1.12)

Search

Actions > Edit > Generic

[<-](#)
[EDIT](#)
[->](#)

PR/020

License Name: Demaneng

License Parties: Sibelo Resources Development (Pty) Ltd (100.00%), Dept Mineral Resources, Northern Cape Region (0.00%)

License Type: Prospecting Right

Notice of Granting Date:

Acceptance Date:

Status: Application Rejected

Expiry Date:

Application Number: NC 30/5/1/1/2/232 PR

Action : Prepare: Application & Documentation (PR)

Action
Approval
Checklist
Child Actions
Documents
User Notification
Reference Codes
Work Accounts
Audit

There are 12 Checklist items in the list.

Checklist Item	User	Required	Date	Comment
<input checked="" type="checkbox"/> A. Details of the land or area (Regulation 2(2) plan)	Amanda Vonk	<input checked="" type="checkbox"/>	21/04/2005	
<input checked="" type="checkbox"/> B. Prospecting Work Plan (Regulation 7)	Amanda Vonk	<input checked="" type="checkbox"/>	09/12/2005	
<input checked="" type="checkbox"/> C. Financial Competence	Amanda Vonk	<input checked="" type="checkbox"/>	09/12/2005	
<input checked="" type="checkbox"/> C. Technical Competence	Amanda Vonk	<input checked="" type="checkbox"/>	09/12/2005	
<input checked="" type="checkbox"/> D. Title deed(s) in respect of land	Amanda Vonk	<input checked="" type="checkbox"/>	09/12/2005	
<input checked="" type="checkbox"/> E. Existing rights and past compliance	Amanda Vonk	<input checked="" type="checkbox"/>	09/12/2005	
<input checked="" type="checkbox"/> H. Company Statutory Documentation (Incorporation)	Amanda Vonk	<input checked="" type="checkbox"/>	09/12/2005	
<input checked="" type="checkbox"/> I. Company Statutory Documentation (Commence Business)	Amanda Vonk	<input checked="" type="checkbox"/>	09/12/2005	
<input checked="" type="checkbox"/> J. Copy of resolution (Signatory Authorisation)	Amanda Vonk	<input checked="" type="checkbox"/>	09/12/2005	
<input checked="" type="checkbox"/> Draft EMP with or without bulk sampling	Amanda Vonk	<input checked="" type="checkbox"/>	09/12/2005	
<input checked="" type="checkbox"/> Draft BEE Documentation	Amanda Vonk	<input checked="" type="checkbox"/>	09/12/2005	
<input checked="" type="checkbox"/> Documentation approved by Legal	Amanda Vonk	<input checked="" type="checkbox"/>	09/12/2005	

Supporting Documentation

Browser: http://kizapta006/FlexiCadastrKumba/FlexiCadastr.htm FlexiCadastr

File Edit View Favorites Tools Help

flexiCADASTRE PRODUCTION Kumba Iron Ore (5.1.1.12) Tankiso Mabote (sign out)

Search License > Details <- EDIT ->

PR/020 License Type: Prospecting Right Status: Application Rejected
 License Name: Demaneng Notice of Granting Date: Expiry Date:
 License Parties: Sibelo Resources Development (Pty) Ltd (100.00%), Dept Mineral Resources, Northern Cape Region (0.00%) Acceptance Date: Application Number: NC 30/5/1/1/2/232 PR

General Parties (3) Conditions Shape (1) Map References **Documents** Reference Codes (2) Resources (2) Agreements Groups (1) Related Licenses (1) Actions Open Actions Closed (9) Roles (7) Audit

Generate report: There are 0 Documents directly associated. Tools:

There are 20 Documents indirectly associated through actions Extract:

All	View	Title	Reference Number	Description	Author	Document Type	Document Size	Sensitivity
<input type="checkbox"/>		A - Demaneng PR Application Details of Land				Map	1167.00	Medium - Internal only
<input type="checkbox"/>		B - Demaneng PR Application PWP				Application	4348.00	Medium - Internal only
<input type="checkbox"/>		C - Demaneng Awareness Plan.pdf				Application	487.00	Medium - Internal only
<input type="checkbox"/>		C - Demaneng Financial Provision.pdf				Application	475.00	Medium - Internal only
<input type="checkbox"/>		D - Demaneng Title Deed.pdf				Application	1270.00	Medium - Internal only
<input type="checkbox"/>		Demaneng Application Form B.pdf				Application	1008.00	Medium - Internal only
<input type="checkbox"/>		Demaneng Application Letter				Application	53.00	Medium - Internal only
<input type="checkbox"/>		Demaneng Content.pdf				Application	24.00	Medium - Internal only
<input type="checkbox"/>		Demaneng PR Application Acceptance Letter & Samancor Refusal Letter (Sharepoint)				Communication	96.00	Medium - Internal only
<input type="checkbox"/>		Demaneng PR Application Regulation 2.2 Diagram		Map of Prospecting Rights Area		Map	558.00	Medium - Internal only

There are 1 Documents indirectly associated through Jurisdictions Extract:

All	View	Title	Reference Number	Description	Author	Document Type	Document Size	Sensitivity
<input type="checkbox"/>		Regulations.pdf		MPRDA Regulations		Guidelines	3669.00	Low - Public domain

There are 1 Documents indirectly associated through License Types Extract:

All	View	Title	Reference Number	Description	Author	Document Type	Document Size	Sensitivity
<input type="checkbox"/>		Prospecting Work Programme Guideline		http://portal.samradonline.co.za/ guidelines/ Prospecting_Work_Programme_GUIDELINE.pdf	DMR	Guidelines	0.00	

5. IMPLEMENTATION

Data Import – Maintenance/Obligations

20Y1 Pay Prospecting Fee
21Y1 Review EMP & PWP Compliance
22Y1 Report: PR Annual Progress
23Y1 Pay: Recalc. Fin Prov & Supp. Quantum (PR)
24Y2 Pay Prospecting Fee
25Y2 Review EMP & PWP Compliance
26Y2 Report: PR Annual Progress Y2
27Y2 Pay: Recalc. Fin Prov & Supp. Quantum (PR)
28Y2 Report: PR Perfor. Asses. (Bianually)
29Y3 Pay Prospecting Fee
30Y3 Review EMP & PWP Compliance
31Y3 Report: PR Annual Progress
32Y3 Pay: Recalc. Fin Prov & Supp. Quantum (PR)
33Y4 Pay Prospecting Fee
34Y4 Review EMP & PWP Compliance
35Y4 Report: PR Annual Progress
36Y4 Pay: Recalc. Fin Prov & Supp. Quantum (PR)
37Y4 Report: PR Perfor. Asses. (Bianually)
38 Keep / Drop PR
39Y5 Pay Prospecting Fee
40Y5 Review EMP & PWP Compliance
41Y5 Report: PR Annual Progress
42Y5 Pay: Recalc. Fin Prov & Supp. Quantum (PR)



Browser: <http://kizapta006/FlexiCadastrKumba/FlexiCadastr.htm> FlexiCadastr

File Edit View Favorites Tools Help

flexicadastr PRODUCTION Kumba Iron Ore (5.1.1.12) Tankiso Mabote (sign out)

Search Actions > Search New Search

Code: Jurisdiction: Status:

Name: Type Group: Result:

Party: Type: Pay: Prospecting F Saved Searches:

Payment summary: **Budget** **Actual**

South African Rand	623,927.37	655,999.92
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Search returned 116 results Report: View: Extract: Tools:

All	Type	Status	Code	Action	Date Due	Days Rem	Budget Amount	Actual Amount	Paid To	Paid By	Child Actions	Parent Due	Responsible User
<input type="checkbox"/>			PR/005	Pay: Prospecting Fees (ZAR 1,800.00 To Dept Mineral Resources, Northern Cape Region)	21/02/2014	31	ZAR 1,800.00		Dept Mineral Resources, Northern Cape Region	Sishen Iron Ore Company Pty Ltd			Amanda Vonk
<input type="checkbox"/>			PR/013	Pay: Prospecting Fees (ZAR 17,673.00 To Dept Mineral Resources, Northern Cape Region)	09/06/2014	139	ZAR 17,673.00		Dept Mineral Resources, Northern Cape Region	Sibelo Resources Development (Pty) Ltd			Amanda Vonk
<input type="checkbox"/>			PR/012	Pay: Prospecting Fees (ZAR 5,181.00 To Dept Mineral Resources, Northern Cape Region)	09/06/2014	139	ZAR 5,181.00		Dept Mineral Resources, Northern Cape Region	Sibelo Resources Development (Pty) Ltd			Amanda Vonk
<input type="checkbox"/>			PR/011	Pay: Prospecting Fees (ZAR 22,491.00 To Dept Mineral Resources, Northern Cape Region)	13/08/2014	204	ZAR 22,491.00		Dept Mineral Resources, Northern Cape Region	Sibelo Resources Development (Pty) Ltd			Amanda Vonk
<input type="checkbox"/>			PR/002	Pay: Prospecting Fees (ZAR 1,700.00 To Dept Mineral Resources, Limpopo Region)	20/10/2014	272	ZAR 1,700.00		Dept Mineral Resources, Limpopo Region	Sishen Iron Ore Company Pty Ltd			Amanda Vonk
<input type="checkbox"/>			PR/001	Pay: Prospecting Fees (ZAR 9,090.00 To Dept Mineral Resources, Limpopo Region)	20/10/2014	272	ZAR 9,090.00		Dept Mineral Resources, Limpopo Region	Sishen Iron Ore Company Pty Ltd			Amanda Vonk
<input type="checkbox"/>			PR/008	Pay: Prospecting Fees (ZAR 1,700.00 To Dept Mineral Resources, Northern Cape Region)	28/11/2014	311	ZAR 1,700.00		Dept Mineral Resources, Northern Cape Region	Sishen Iron Ore Company Pty Ltd			Amanda Vonk
<input type="checkbox"/>			PR/005	Pay: Prospecting Fees (ZAR 1,900.00 To Dept Mineral Resources, Northern Cape Region)	21/02/2015	396	ZAR 1,900.00		Dept Mineral Resources, Northern Cape Region	Sishen Iron Ore Company Pty Ltd			Amanda Vonk
<input type="checkbox"/>			PR/005	Pay: Prospecting Fees (ZAR 2,000.00 To Dept Mineral Resources, Northern Cape Region)	21/02/2016	761	ZAR 2,000.00		Dept Mineral Resources, Northern Cape Region	Sishen Iron Ore Company Pty Ltd			Amanda Vonk
<input type="checkbox"/>			PR/025	Pay: Prospecting Fees (ZAR 4,053.00 To Dept Mineral Resources, Northern Cape Region)	03/11/2005		ZAR 4,053.00	ZAR 4,053.00	Dept Mineral Resources, Northern Cape Region	Sishen Iron Ore Company Pty Ltd			Amanda Vonk
<input type="checkbox"/>			PR/006	Pay: Prospecting Fees (ZAR 1,000.00 To Dept Mineral Resources, Northern Cape Region)	11/08/2006		ZAR 1,000.00	ZAR 1,000.00	Dept Mineral Resources, Northern Cape Region	Sishen Iron Ore Company Pty Ltd			Amanda Vonk
<input type="checkbox"/>			PR/007	Pay: Prospecting Fees (ZAR 1,099.00 To Dept Mineral Resources, Northern Cape Region)	11/08/2006		ZAR 1,099.00	ZAR 1,099.00	Dept Mineral Resources, Northern Cape Region	Sishen Iron Ore Company Pty Ltd			Amanda Vonk
<input type="checkbox"/>			PR/015	Pay: Prospecting Fees (ZAR 11,811.00 To Dept Mineral Resources, Northern Cape Region)	24/03/2006		ZAR 2,992.00	ZAR 11,811.00	Dept Mineral Resources, Northern Cape Region	Sibelo Resources Development (Pty) Ltd			Amanda Vonk
<input type="checkbox"/>			PR/016	Pay: Prospecting Fees (ZAR 4,556.00 To Dept Mineral Resources, Northern Cape Region)	20/05/2006		ZAR 4,556.00	ZAR 4,556.00	Dept Mineral Resources, Northern Cape Region	Sibelo Resources Development (Pty) Ltd			Amanda Vonk
<input type="checkbox"/>			PR/004	Pay: Prospecting Fees (ZAR 3,027.00 To Dept Mineral Resources, Northern Cape Region)	17/12/2006		ZAR 2,787.00	ZAR 3,027.00	Dept Mineral Resources, Northern Cape Region	Sishen Iron Ore Company Pty Ltd			Amanda Vonk
<input type="checkbox"/>			PR/005	Pay: Prospecting Fees (ZAR 1,036.49 To Dept Mineral Resources, Northern Cape Region)	20/05/2006		ZAR 1,000.00	ZAR 1,036.49	Dept Mineral Resources, Northern Cape Region	Sishen Iron Ore Company Pty Ltd			Amanda Vonk
<input type="checkbox"/>			PR/018	Pay: Prospecting Fees (ZAR 1,000.00 To Dept Mineral Resources, Northern Cape Region)	12/01/2007		ZAR 1,000.00	ZAR 1,000.00	Dept Mineral Resources, Northern Cape Region	Sibelo Resources Development (Pty) Ltd			Amanda Vonk
<input type="checkbox"/>			PR/014	Pay: Prospecting Fees (ZAR 1,000.00 To Dept Mineral Resources, Northern Cape Region)	12/01/2007		ZAR 1,000.00	ZAR 1,000.00	Dept Mineral Resources, Northern Cape Region	Sibelo Resources Development (Pty) Ltd			Amanda Vonk
<input type="checkbox"/>			PR/019	Pay: Prospecting Fees (ZAR 1,457.57 To Dept Mineral Resources, Northern Cape Region)	12/01/2007		ZAR 1,458.00	ZAR 1,457.57	Dept Mineral Resources, Northern Cape Region	Sibelo Resources Development (Pty) Ltd			Amanda Vonk
<input type="checkbox"/>			PR/017	Pay: Prospecting Fees (ZAR 1,573.52 To Dept Mineral Resources, Northern Cape Region)	12/01/2007		ZAR 1,574.00	ZAR 1,573.52	Dept Mineral Resources, Northern Cape Region	Sibelo Resources Development (Pty) Ltd			Amanda Vonk
<input type="checkbox"/>			PR/015	Pay: Prospecting Fees (ZAR 16,916.00 To Dept Mineral Resources, Northern Cape Region)	22/02/2007		ZAR 4,488.00	ZAR 16,916.00	Dept Mineral Resources, Northern Cape Region	Sibelo Resources Development (Pty) Ltd			Amanda Vonk
<input type="checkbox"/>			PR/005	Pay: Prospecting Fees (ZAR 1,154.74 To Dept Mineral Resources, Northern Cape Region)	20/04/2007		ZAR 1,100.00	ZAR 1,154.74	Dept Mineral Resources, Northern Cape Region	Sishen Iron Ore Company Pty Ltd			Amanda Vonk

http://kizapta006/FlexiCadastreKumba/FlexiCadastre.htm FlexiCadastre

File Edit View Favorites Tools Help

flexi cadastre PRODUCTION Kumba Iron Ore (5.1.1.12) Tankiso Mabote (sign out) EDIT

Search

Actions > Edit > Payment

PR/005 License Type: Prospecting Right Status: Pending Renewal
 License Name: Dingleton Notice of Granting Date: 20/09/2005 Expiry Date: 21/02/2011
 License Parties: Sishen Iron Ore Company Pty Ltd (100.00%), Dept Mineral Resources, Northern Cape Region (0.00%) Acceptance Date: 19/11/2004 Application Number: NC 30/5/1/1/2/098 PR

Payment : Pay: Prospecting Fees

Action Documents User Notification Reference Codes Work Accounts Audit

This action is part of an action series. [View Details](#)

Action Instructions [Hide Details](#)

- Regulation 76
- Upload Proof of Payment

PR Fixed Fees (Sibelo) [GENERATE DOCUMENT](#)

General Details

Due Date: 21/02/2014
 Accounting Code:
 Reference Number:
 Created By: PR 11 - PR Renewal Provisional > Schedule: Annual Prospecting Fees <= 1000Ha

Payment Details

Direction: Outgoing
 Paid By: Sishen Iron Ore Company Pty Ltd
 Dept Mineral Resources, Northern Cape Region
 From: To:
 Payment Period: 21/02/2011 20/02/2012
 Include Tax Information:
 Round Budget Amount:

General Items

Actual	Budget
Amount: <input type="text"/> South African Rand	Total Amount: 1,800.00 South African Rand
Receipt No.: <input type="text"/>	
Comments: <input type="text"/>	

Action Status To be closed by Amanda Vonk (Legal Administrator)

5. IMPLEMENTATION

Data Import - Spatial

- Import Excel, shapefile
- Import shape from existing license – (Farm Portions)
- Map Services from Anglo Exploration

RSA Cadastre

Parks

Magisterial Districts

Local Municipalities

District Municipalities

Grids (1 deg, 2 deg, 30 min, 15 min)

50k topo index

50k topo sheets



Action – Spatial Data

Browser: http://kizapta006/FlexiCadastr... FlexiCadastr

File Edit View Favorites Tools Help

PRODUCTION

Kumba Iron Ore (5.1.1.12) Tankiso Mabote (sign out)

Search: [input] License Name: Floradale 230 RE Notice of Granting Date: Expiry Date: Application Number:
 License Parties: Floradale Boerdery CC (100.00%) Acceptance Date:

flexi cadastre

Home

Licenses Mining Surface Properties Prospecting Agreements Business Unit Operation Project Actions Approvals Maps Reports Documents Companies People My Settings Admin Tools Help

Shape Change : Shape Add: Property

Action Approval Documents User Notification Reference Codes Work Accounts Audit

General Details

Due Date: [input]

Comments: [text area]

Reference Number: [input]

Shape Change Details

NEW SHAPE OLD SHAPE

Legal Description [text area]

Shape Area

Official Area: [input] GET AREA

Calculated Area: [input]

Coordinate System: [input]

View coordinates in: [input] DMS [input] DD

Shape Parts

Edit. Del. Part

[Large map area with text: No shape to display]

copy current shape

Action Status To be closed by Tankiso Mabote (GIS Compiler)


javascript:_doPostBack('btnActionApprovals')

6. UAT & Go-Live

- UAT completed without changes
- Go-Live delayed due resource availability and access issues to SharePoint connector



7. OBSTACLES

- Data Import – resource availability
 - Spatial Data not clean – geometric errors
 - Availability of personnel – corporate plus sites
 - IM – group procedures (change request, map services)
- 

8. CONCLUSION

- Flexicadastre is the right tool to manage mineral rights
- Flexicadastre will not do your job
- Business process mapping is key
- Involvement of all stakeholders important (workshops)
- Takes time to get fully integrated
- Phase II – Mining and Surface Rights

THANK YOU

