#### Saldanha Bay Municipality

Serve Grow and Succeed Together







#### GIS in Saldanha Bay Municipality







- Introduction
- GIS at SBM
- Successes / Challenges
- Constraints / Lessons learned / Advice
- Service delivery and planning
  - Training / Licencing / Budgeting
- Future Plans

## VISION, MISSION & VALUES



#### VISION

#### Serve, Grow & Succeed Together

#### MISSION

We, the community of Saldanha Bay, want to make this the area of choice within which to live, do business and relax. We want to be:

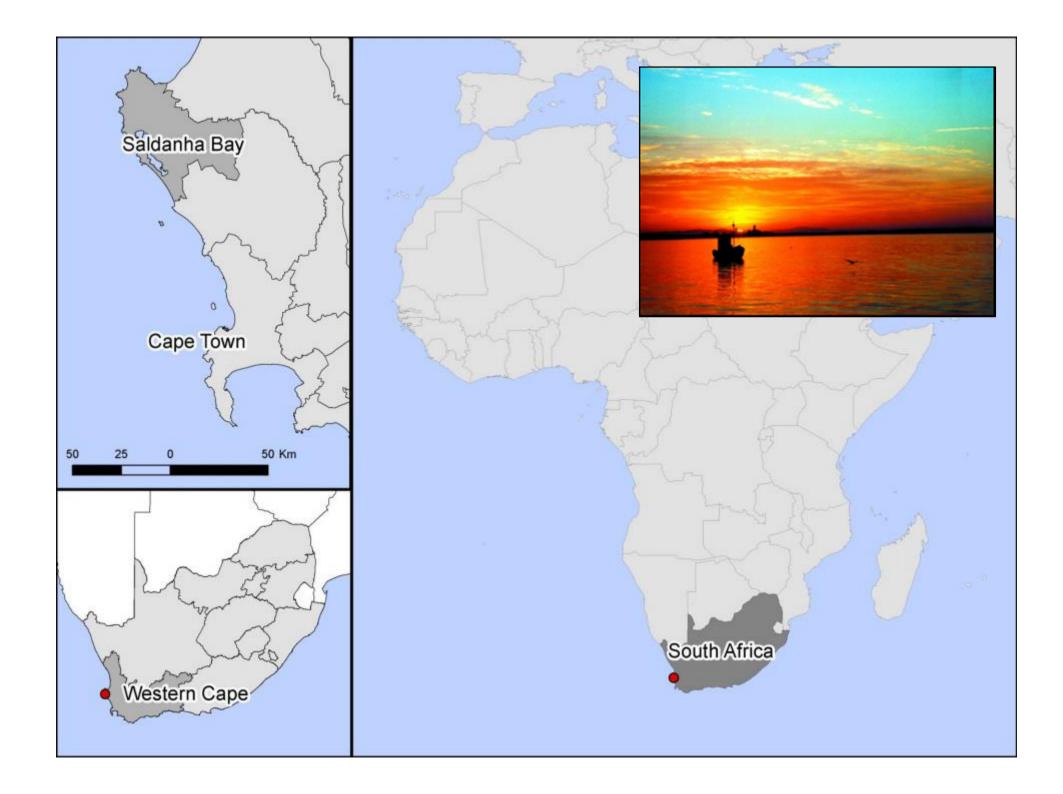
- A leading municipality;
- Render quality service at a reasonable price;
- Be a place in which all have access to developmental opportunities;
- Utilise the riches of land and seas in a sustainable manner; and
- Strive to achieve the three aims of sustainable development, namely human well-being, economic success and ecological responsibility.

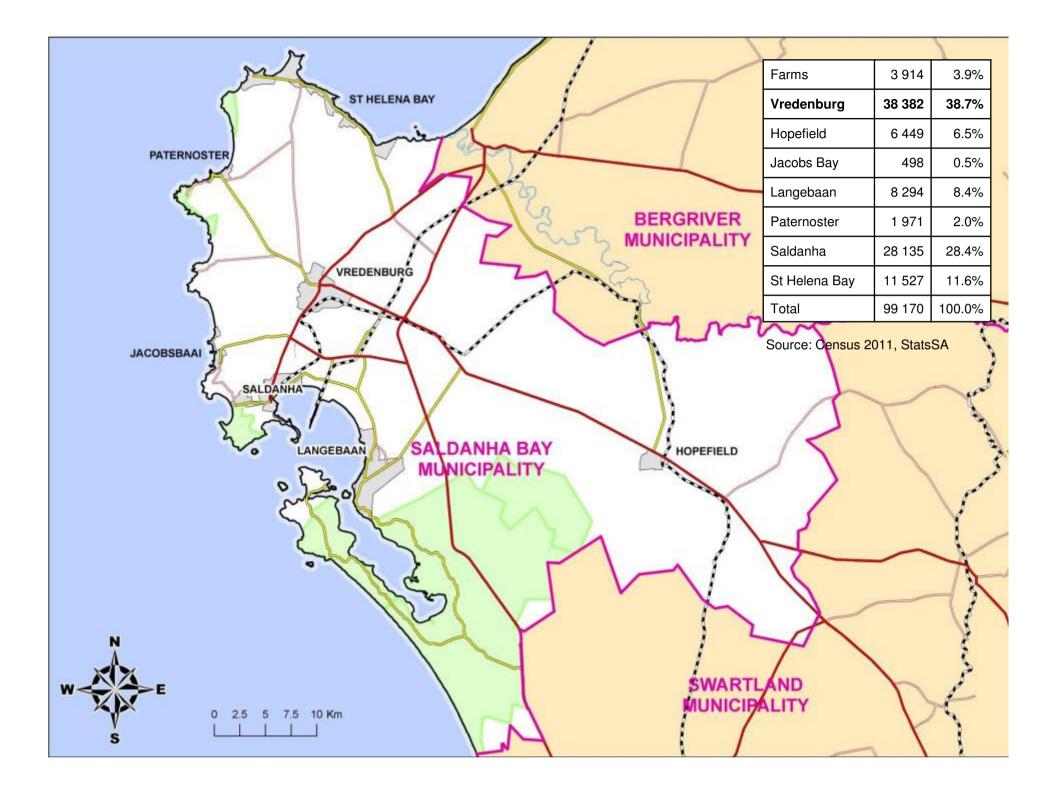
	VALUES	
<b>Competence</b> (the ability and capacity to do the appointed job)	Accountability (we take responsibility for our actions and results)	Integrity (we are honest and do the right thing)
<b>Responsiveness</b> (we serve the needs of our citizens and employees)		<b>Caring</b> (we care for those we serve and work with)

# STRATEGIC FOCUS AREAS & OBJECTIVES



SFA#	Strategic Focus Area / National Key Performance Area	SO#	Strategic Objective
SFA1	Local Economic Development	SO1	To diversify the economic base of the municipality through industrialisation, whilst at the same time nurturing traditional economic sectors
	SFA2 Basic Service Delivery	SO2	To develop an integrated transport system to facilitate the seamless movement of goods and people within the municipal area and linkages with the rest of the district and the City of Cape Town.
SFA2		SO3	To develop safe, integrated and sustainable neighborhoods
		SO4	To maintain and expand basic infrastructure as a catalyst for economic development
SFA3	Organisational	SO5	To be an innovative municipality on the cutting edge in respect of the use of technology and best practice
	Development		
SFA4	Municipal Financial Viability & Transformation	SO6	An effective, efficient and sustainable developmental oriented municipal administration
		SO7	To develop and use a multi-platform communication system to ensure swift and accurate dissemination of information
SFA5	SFA5 Good Governance & Public Participation	SO8	To provide ethical and effective leadership that engenders trust in the municipality amongst its stakeholders
		SO9	To ensure compliance with the tenets of good governance as prescribed by legislation and best practice





### Service Delivery



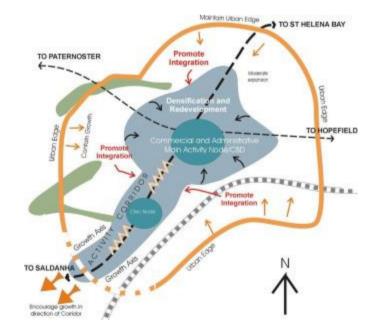
- Access to Basic Services
- National ranking (234 Municipalities)
  - Refuse Removal 1
  - Toilets 1
  - Electricity 2
  - Water 5

2011 Census

### **KEY PROJECTS**









SALDANHA BAY BROADBAND PROJECT





#### GIS at SBM

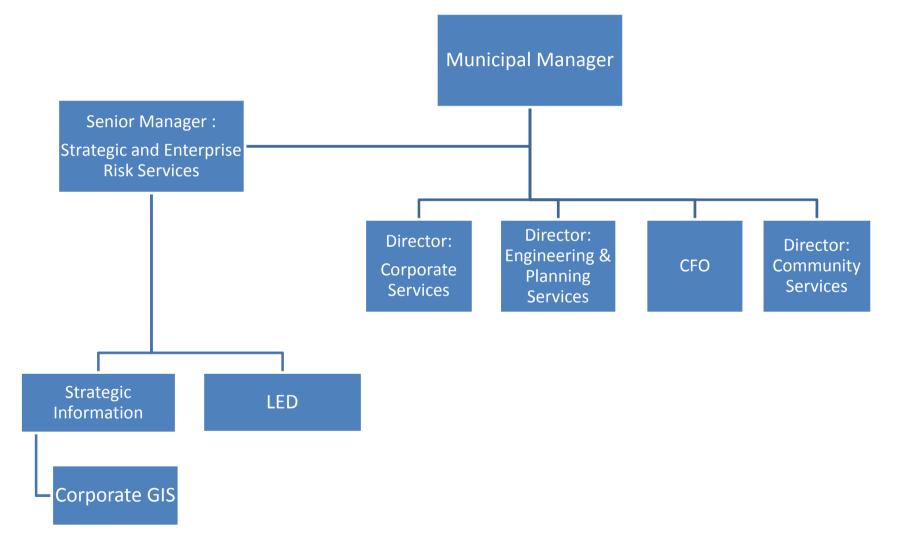




- Structure
- Software
- Systems
- Data

#### Organisational Structure





### Corporate GIS



- GIS Strategy, User requirement studies
- GIS Standards, Database design and software maintenance
- Data capturing and warehousing
  - Manage GIS Server
  - GIS Viewer for all employees
- Map production
- GIS training, marketing and awareness

### Corporate GIS data



- Property Information
  - Ownership
  - Zoning & Land use
  - Street addresses
- Aerial Photography
- Road Centre Lines
- Administrative Boundaries
  - Wards, Protected Areas ect.
- Municipal / State Properties

#### Departmental GIS



• Civil

Roads, Water, Sewer, Storm water

- Electrical
  - Electrical network
- Valuations
  - Usages
  - Sectional Titles
- Asset Management

### **GIS Software**

- ESRI
  - ArcMap Server, SQL Server
  - 2 x ArcEditor, 5 x ArcView, I x 3D Analyst
  - Flex Viewer
- QGIS
- Other
  - AutoCad
  - GeoSmart
    - Interface with Samras and Aktex
  - Wadiso
  - SuperCross





#### Cadastral Data Model



### Surveyor General

#### **Registered Layer**

Deeds Office Billing System Valuation Roll

Council Approved

#### **Town Planning**

Map Production Streets Address Zoning / Landuse

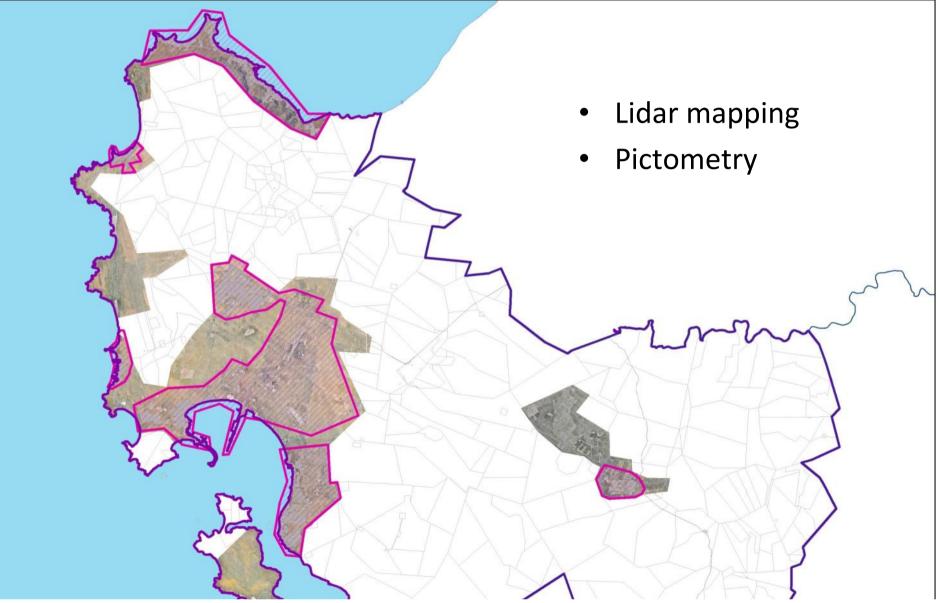
# Mapping



- Lidar mapping
- Pictometry
- 3D Mobile Mapping (Assetrix)

# Mapping













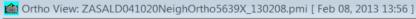


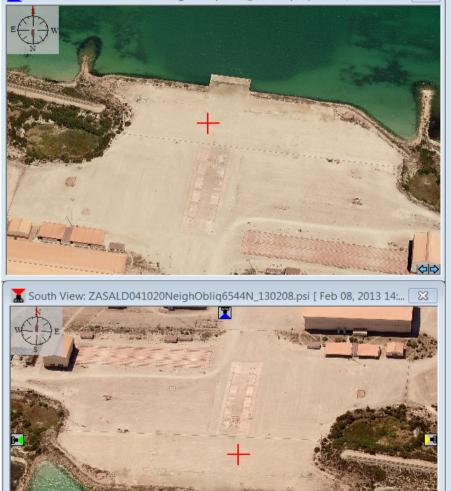


#### Pictometry



🕎 North View: ZASALD041020NeighObliq4734S\_130208.psi [ Feb 08, 2013 13:3... 🛛 🔀







#### Pictometry



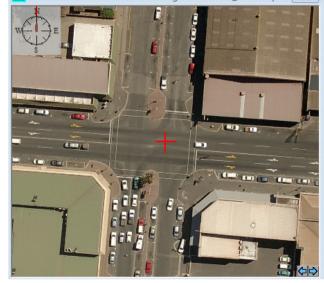
🗶 North View: ZASALD031020NeighObliq3230S\_130208.p... 🔯

X South View: ZASALD031020NeighObliq5169N\_130208.psi [ Feb 08, 2013 11:11 ]

×



🚔 Ortho View: ZASALD031020NeighOrtho7061\_130208.p... 🛛 🔀





### 3D Mobile Mapping





### 3D Mobile Mapping



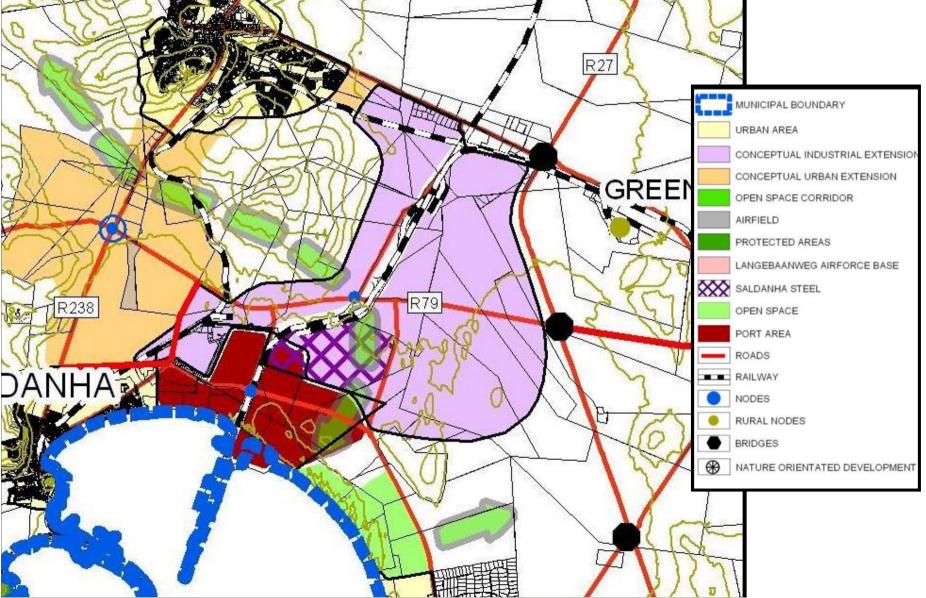




#### Service Delivery & Planning

#### Forward Planning





#### SALDANHA BAY IDZ



STAATSKOERANT, 31 OKTOBER 2013

No. 36988 3

GENERAL NOTICE

NOTICE 1081 OF 2013

#### DEPARTMENT OF TRADE AND INDUSTRY

#### I, Dr Rob Davies, Minister of Trade and Industry,

(a) in terms of IDZ Regulation 3A, Cabinet ratified my decision to designate an IDZ at Saldanha Bay and the granting of an IDZ Operator Permit, and that the Ministries of Trade and Industry and of Economic Development collaborate to ensure that the IDZ at Saldanha Bay forms part of the Presidential Infrastructure Coordinating Commission (PICC) rollout programme,

(b) promulgate the designation of an Industrial Development Zone at Saldanha Bay and the granting of the Operator Permit to the Saldanha Bay Industrial Development Zone Licensing Company (SBIDZ LiCo), by virtue of the powers vested in me in terms of Section 10 of the Manufacturing Development Act No. 187 of 1993.

The Saldanha Bay Industrial Development Zone (SBIDZ) is intended to be an oil and gas and marine repair engineering and logistics services complex, serving the needs of the upstream exploration and production service companies operating in the oil and gas fields in Sub Saharan Africa. The SBIDZ will include logistics, repairs and maintenance, as well as fabrication activities. The IDZ designation will also afford the SBIDZ the ability to offer a contiguous customs-free area. The SBIDZ LiCo is the implementing vehicle of the SBIDZ and will be responsible for the provision of infrastructure, promotion, management and marketing of the IDZ.

#### LOCATION OF THE SALDANHA BAY INDUSTRIAL DEVELOPMENT ZONE (IDZ)

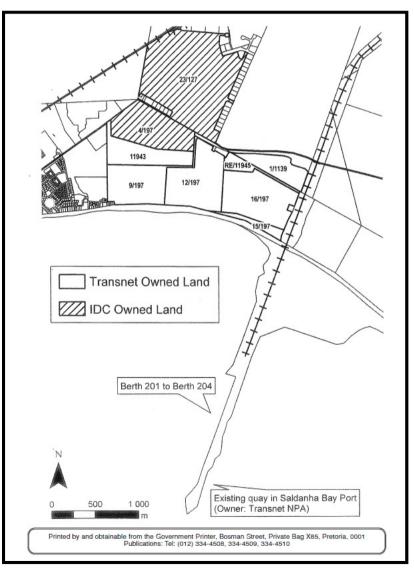
A total land area of approximately 330 ha has been identified as suitable for development as an IDZ, within the Saldanhe Bay Municipality. One portion is owned by the Industrial Development Corporation (164ha), and will be used for the development of the first phase of the IDZ. The second portion of land is under the ownership of Transnet National Ports Authority (TNPA) (166ha) and is part of the Port of Saldanha. Negotiations are underway to secure the TNPA land for the second phase of the SBIDZ development, which will be jointy planned and implemented for the mutual benefit of all concerned parties as well as to accelerate industrial development and trade facilitation in the region. Annexure A attached, indicates the location of the proposed SBIDZ site.

For further information, interested parties may contact Mr Kaya Ngqaka as follows:

Department of Trade and Industry (the dti) Campus 77 Meinijies Street, Sunnyside, Pretoria. 0002 Tel: (012/394 1978, Email: <u>KavaM@thedti.gov.za</u>

KHlandon

Dr Rob Davies/MP Minister of Trade & Industry Date: 23/15/13



### IMPACT OF IDZ



#### **Employment from Construction**

Table 1.3: Jobs due to Construction, average per annum, per scenario (#)

	Capex		
	Low	Base	High
Direct	1 030	1 970	2 790
Indirect	885	1 680	2 565
Induced	810	1 545	2 325
Total	2 725	5 1 9 5	7 680

#### **Employment during Operations**

Table 1.4: Jobs due to Operations, average per annum, per scenario (#)

	Opex		
	Low	Base	High
Direct	2 730	3 655	5 700
Indirect	I 870	2 880	5 540
Induced	2 670	3 900	6 990
Total	7 270	10 435	18 230

#### Table 1.5: Jobs due to Operations, over 25 years, per scenario (#)

	Opex		
	Low	Base	High
Direct	4 240	6 670	8 930
Total (incl. indirect & induced)	11 975	20 090	29 020
Total increase in jobs relative to current Saldanha Bay employment	16%	25%	34%

#### Total average Employment created

Table 1.6: Total jobs created, average per annum, per scenario (#)

	Combined		
	Low	Base	High
Direct	3 760	5 625	8 490
Indirect	2 755	4 565	8 105
Induced	3 485	5 450	9 3 1 5
Total	10 000	15 640	25 910

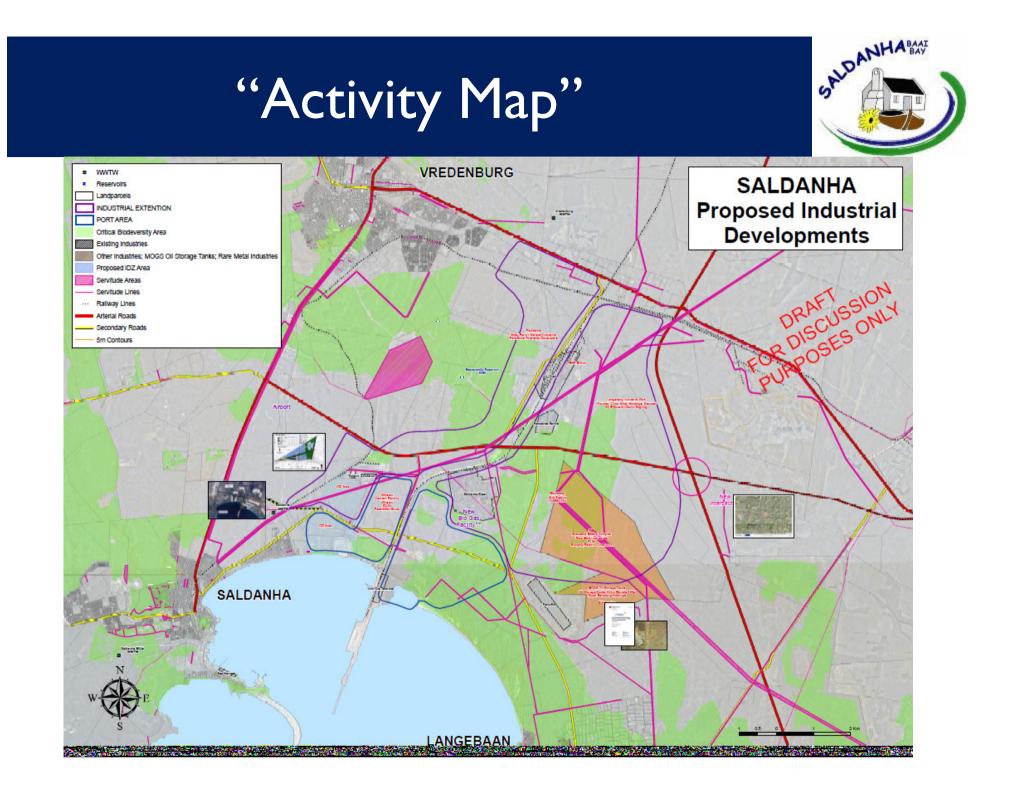
<sup>9</sup> A job is defined in the above is one person working for one year.

Source: Saldanha Bay IDZ Feasibility Study 2011

### Saldanha Bay IDZ







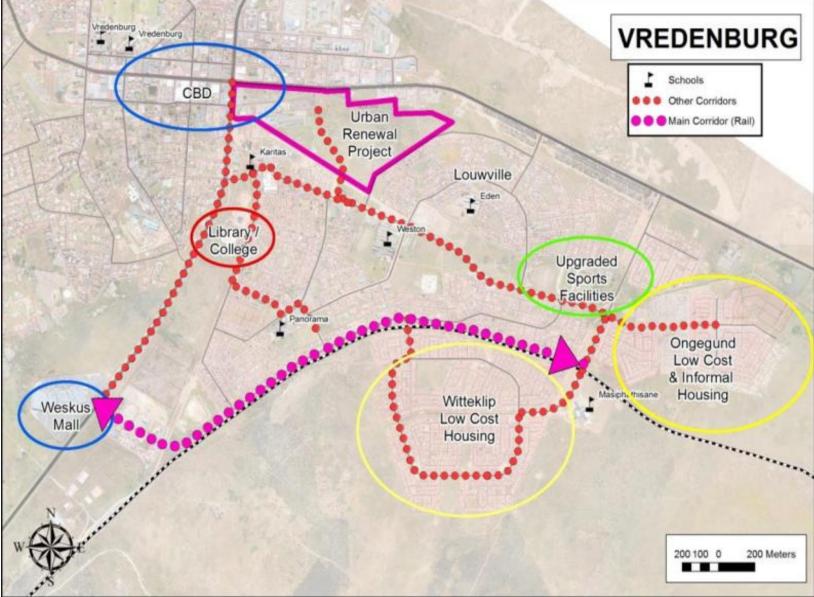
### Vredenburg Urban Renewal











#### Informal Settlements





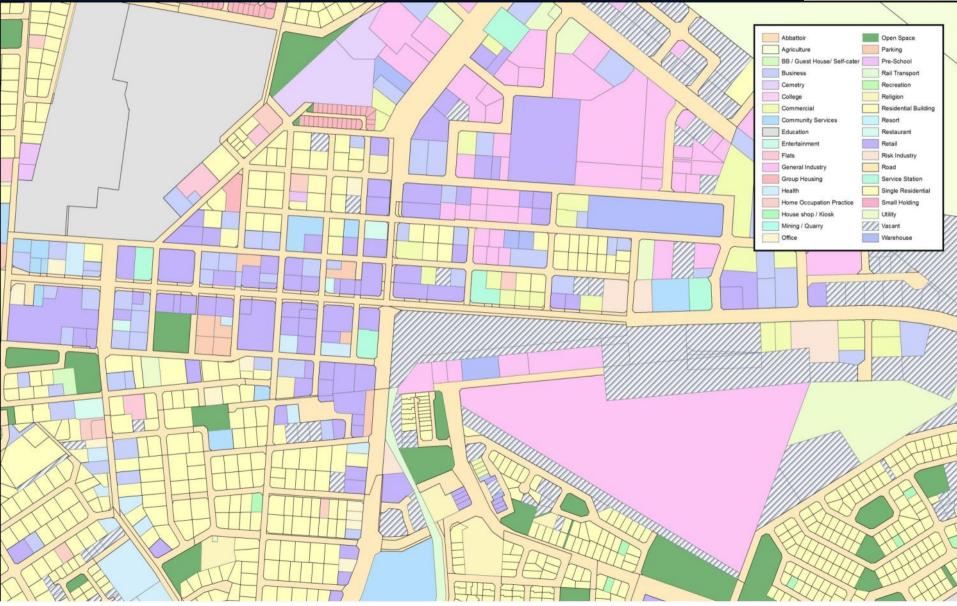
#### Informal Settlements





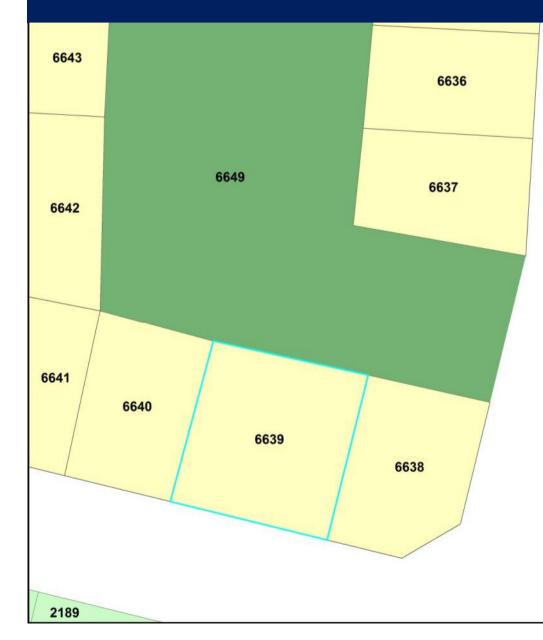
#### Landuse study



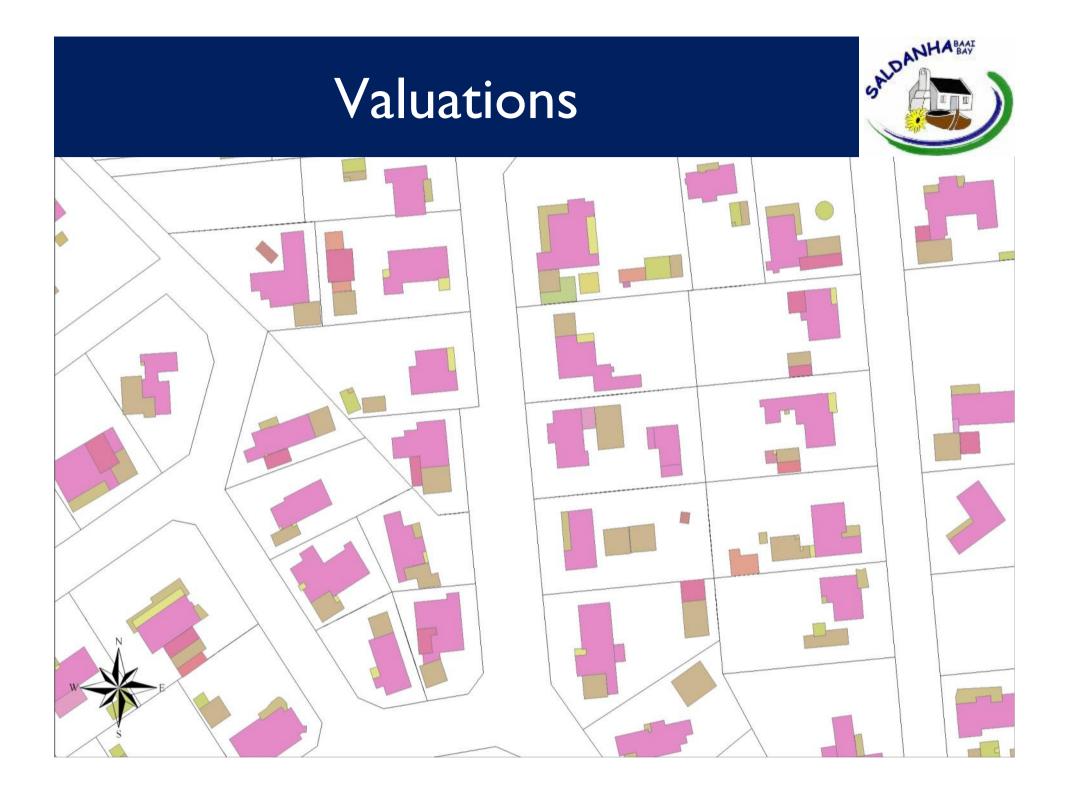


#### Zoning hyperlink





6639/VB D DE VB VISSER	
17 Maart 2004 M Williams Ericaweg 24 LOUWVILLE VREDENBURG 7380	
Geagte Meneer GRONDGEBRUIKBEPLANNING EN BEHEER: AANSOEK OM HERSONERING ERF 6639, LOUWVILLE, VREDENBURG	
Dit spyt my om u mee te deel dat u aansoek (Item R35/2-04), tydens die vergadering gehou op 18 Februarie 2004, om hersonering ten einde 'n taverne vanaf Erf 6639, Boomstraat 3, van Erf 6639, Louwville, Vredenburg, te bedryf, ingevolge Artikel 16(1) van die Ordonnansie op Grondgebruikbeplanning (Nr 15 van 1985), en uit hoofde van die gedelegeerde bevoegdhede verleen, ingevolge die Ordonnansie op die Delegasie van Bevoegdhede (Nr 13 van 1964), nie goedgekeur is nie en soos volg beslis is:	
<ul> <li>a) Die aansoek kan weens die twee petisies en die regverdige besware wat ontvang is en die ligging van die skool, ten opsigte van die bedryf, nie aanbeveel word nie.</li> <li>U, asook die beswaarmakers, word gewys op u reg tot appèl ingevolge Artikel 44(1) van die Ordonnansie op Grondgebruikbeplanning, Nr 15 van 1985, saamgelees met Regulasies 17 tot 25 uitgevaardig ingevolge Artikel 47(1) van genoemde Ordonnansie, en dat welke appèl binne een en twintig (21) dae na registrasie van hierdie skrywe, by beide die Premier per adres Die Direkteur, Departement Omgewingsake en Ontwikkelingsbeplanning, Privaatsak X9086, Kaapstad, 8000 en die Munisipale Bestuurder, Munisipaliteit Saldanhabaai, moet indien.</li> </ul>	
Die uwe	
MUNISIPALE BESTUURDER /dd afskrif aan: BESWAARMAKERS: DIE VOORSITTER, LGA PETISIE, BOSWEWERSTRAAT 90, LOUWVILLE, 7380 HANSIE EN GRIETIJE PRE-PREMERE CUM BEWAARSKOOL, POSBUS 301, VREDENBURG, 7380 VREDENBURG POLISERINGSFORUM, POSBUS 702, VREDENBURG, 7380 APOSTOLIESE GELOOF SENDING VAN SA, POSBUS 202, VREDENBURG, 7380 PASTOOR WILLIE DELPORT, VYFDESTRAAT 38, LOUWVILLE, 7380	









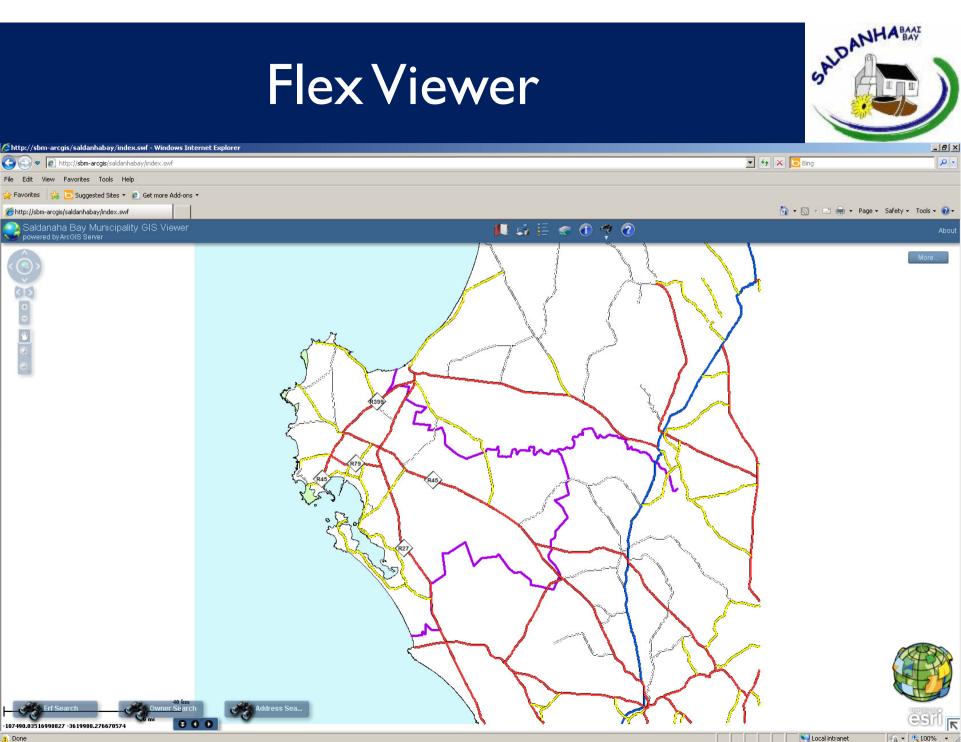


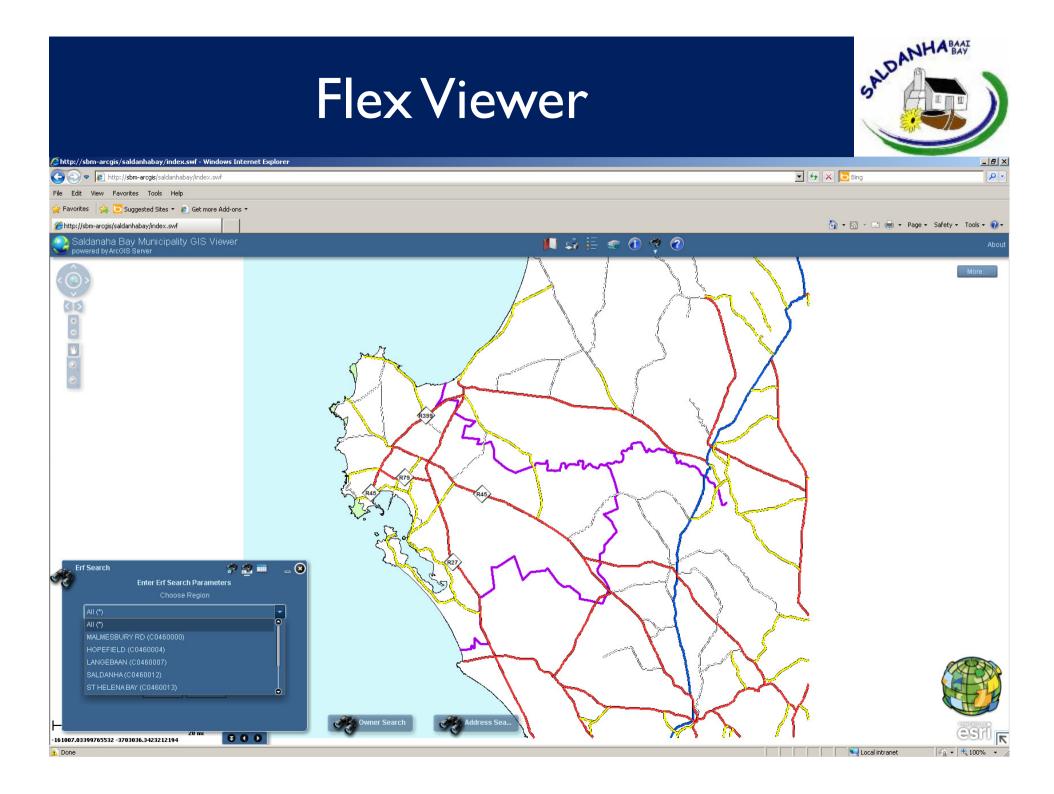


- Crime mapping
- Stats data
- Asset management
  - Council Properties
  - Asset register



#### Flex Viewer









🖓 🔹 🂐 100% 🔹



#### Future Plans

## Future Plans



- New GIS Server
- IDP mapping
- GIS Tender
  - Cadastral data
  - Viewer development
  - System integration
- New GIS DVD for external users
  - Freeware software
- Map leased properties



### Successes / Challenges

#### Successes



- GIS DVD for external users
  - Aerial photography
  - Ownership, Zoning, Roads ect.
  - R50
- Valuation records
- Flex viewer
- Zoning verification
- "Activity map"
- GIS support to Kannaland ??

# Challenges



- Other job functions
- Develop workflow
- System integration
- Cost of deeds data / software maintenance
- Dependence on consultants
- IT support
- Supply chain processes
- Metadata

#### Lesson learned



- Keep it simple
- Papyrus
  - District wide project failure
- Pictometry integration
- Back up server



# Thank you

for more info visit www.sbm.gov.za