

NEWSLETTER 10

Dear Reader,

This newsletter presents progress up to end of **June 2004**, and is primarily intended for people involved in the project and might not give a complete picture of the project. The Newsletter is also found on the Buffalo City Intranet.

Please also note that the Newsletter has an informal character and that the content does not imply official endorsement by the Local Authority of Buffalo City (BCM).

If you have ideas or questions about the project, please contact christer.kjorneberg@swedesurvey.se or kjorneberg@hotmail.com

Buffalo City Council has been selected to receive a "Special Achievement in GIS" award at ESRI's 24th Annual User Conference

This award is being given to users around the world in recognition of their outstanding work in the GIS field. We congratulate BCM and all of us who are working with the project feel proud to receive this attentiveness and appreciation.

Organisational Issues

The GIS issues are managed by a separate unit under the Department of Organisational Support, Directorate of Corporate Services. Regarding staffing, the organogram defines a GIS Manager and two GIS Technicians in the GIS Unit. Phil Farrant was appointed the GIS Manager in July 2003, however since then no posting of supporting staff have been executed. The Sida assisted GIS Phase 2 Projects ends in November 2003. It goes without saying that one single staff person cannot manage all the activities that have been initiated and currently are running to develop a sustainable municipal GIS for BCM.

Institutional Issues

The GIS – IT Task Team

Next meeting is planned before end of June. A revised ToR for the Task Team is underway. Since the Team's responsibilities widened

to include IT issues so far no such issues have been put on the agenda from the IT Department.

Office Accommodation

The cramped accommodation for the GIS Unit and for holding TWG meetings in office of the GIS Unit has been a constraint. However, a new allocation of the GIS Unit has been decided on the other side of the corridor on third level at Munifin Building and the new office is expected to be functional after renovations towards the end of August 2004.

Training

Specialist Training in ArcCadastr

A training in ArcCadastr for the BCM Survey Department was held 3 – 14 may 2004. The objective of the training was to develop and implement a comprehensive training course aimed at introducing a selected number of staff how to edit the corporate cadastr dataset by using ArcCadastr and thereby

- be responsible for the maintenance of municipal cadastr data sets;
- design and populate new datasets according to needs risen within the Municipality;
- support the GIS End Users regarding the supply of updated cadastr data.



Maria Noven, an ArcCadastr Specialist from Swedesurvey (The Swedish Land Survey) joined the Project Team and conducted the training. The training was focused on developing a tailor made workflow to be used by BCM staff to update the cadastr dataset using the Software's Work Flow Module.

ArcCadastrre is a software for handling cadastral and geographic information and the production of cadastral and other large and medium-scale maps

The flexibility and adaptability of ArcCadastrre makes the software suitable for a wide range of activities. Furthermore, ArcCadastrre is the only industry-standard GIS-based cadastral application that can handle field survey measurements.



Training of GIS Custodians

In the new organisation, the respective sector directorates will be responsible for sector data capturing and maintenance. Each department will appoint GIS data custodians, who will monitor the maintenance of the sector database and give support to the GIS End Users regarding GIS project studies, data maintenance and map production. Now that the new organisation is in place and standards for the metadatabase specification have been outlined, the data custodians will need to be given training.

Consequently, a Training Module for the GIS Custodians has been prepared and pilot training was conducted in April. It is a three step training; 1. Managing attribute data, 2. Managing spatial data and 3. Analysing GIS data. It is recognised that various departments require various type of managing databases, however the objective is that Module 1 will provide the understanding how to deal with attribute databases needed in the BCM GIS and Module 2 will enhance knowledge how to manage sector spatial data. The training is now in full swing after a time schedule has been set up until the end of the Project..

APPLICATIONS

The Buffalo City GIS Strategy includes the following recommendations:

- Develop accurate GIS applications appropriate to the development strategies of the municipality

IDP/Capital Budget Projects GIS

The objective is to establish a basic GIS application and management system, which gives managers and councillors a quick and easy reference into the status of approved projects. The System is accessible through the BCM Intranet and after the approval of the 04/05 BCM Budget, the related projects will be introduced in the System. The geographic interface will be dealt with in the ID Mapping Project.

Capital Projects Monitoring Application - Microsoft Internet Explorer

Address: http://ebtc-proxy1/intranet/capital/project_report.php?vote=5350056083036

Capital Projects Monitoring Application

Project Report

Vote number:	5350056083036
Project Name / Description:	DIMBAZA RETIC UPGRADE HV & LV (C/O)

Contact Person		Finances Summary	
Name:	John Smith	Committed:	R40000 (62% of budget)
Email:	gis-consult@buffalocity.gov.za	Venus:	R0.0 (0% of budget)
Ext:	3121 Office: 308 MuniFin	Budget:	R5433

Progress	Actual vs Projected Expenditure
Duration: January 2003 - April 2004	
10-50% Complete On Schedule	

GIS Linkage
[Click Here to view in GIS](#)

IDP Information	
Cluster:	Infrastructure
Priority Area:	Unsafe & unstable environment (electricity) due to lack of maintenance and ageing equipment
Objective:	SI27(i) A safe and stable environment for the provision of electricity.
Strategy:	i. Compliance with NRS 048
Indicator:	% Compliance
Measurement:	Annual compliance measure
Baseline:	
Target 03/04:	0
Target 04/05:	0.5
Target 05/06:	1

Pilot Study for Introducing the Electrical Department to GIS Technology

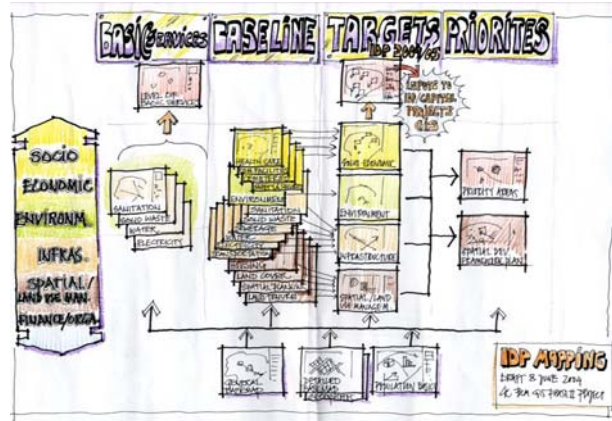
The Pilot Study is now finalised and the next step will be to come up strategies how to deal with the issue for the entire Municipality and present an implementation plan including the 'Big Five' (Hardware, software, methods, data capturing and staff training)

IDP Mapping

The Integrated Development Plan (IDP) is revised on a yearly basis. In order to analyse needs, show capacities and expose and visualise achievements to all stakeholders: BCM citizens; the political leadership, officials and concerned staff, Geographic Information System (GIS) has proven to be a useful tool. It can be used by the members of the IDP Clusters Working Groups in the needs analysis and to present proposals and final results to decision makers.

The mapped information found in the 2002 initial version of IDP has not been updated in the later revised versions. However, the maps, 32 in all, were 'frozen' spatial data that could not be manipulated with, lacked consistence, overview and presented overlapping and

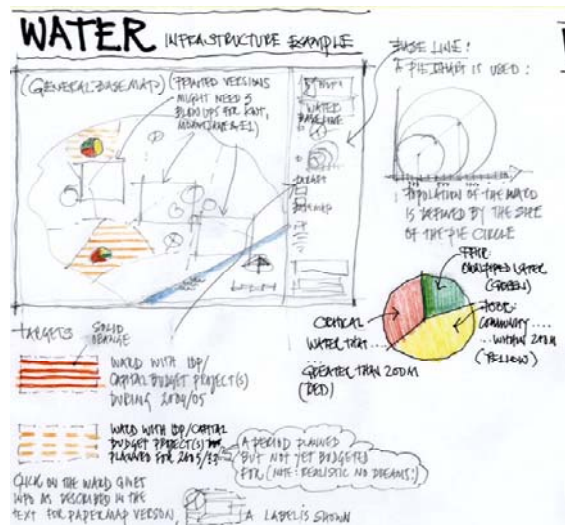
sometimes contradictory information. Further, the data was largely compiled by consultants. Now that the IDP has been an integrated (and accepted) part of the process leading to equitable distribution of municipal goods and services, the time has come to find means to establish a sustained process of preparing spatial data in the form of a GIS.



The objectives are:

- ❑ The mapped information should reflect and visualise the purpose and the content of the IDP;
- ❑ The major share of the preparation of the mapped information should be undertaken by the municipal institution, which is in charge of planning, monitoring and implementation of the subject;
- ❑ The information should be perceivable by all stakeholders involved in the IDP process.

In the initial development of IDP mapped information, custodians will be appointed to cater for preparation of 'Basic Services', 'Baseline' and 'Targets'. Guidelines for the preparation have been prepared and the BCM GIS Unit will assist with further guidance. Training of GIS Custodians is available.



The progress of the work will be managed by the BCM IDP Department in liaison with the GIS Unit and through the GIS TWGs.

A Visit to Ward 40 in Mdanstane

The Ward Councillor, Ms Z. E. Kente, one of the participants of the IT-GIS Coordination Study Tour to Sweden, took the GIS Unit on a guided tour of the ward, giving a better understanding of the political work at grass root level and how GIS can, in future, support in decision-making, analyses and presentations.



Timetable

Besides from activities mentioned above, ongoing works with metadata, standards and data capturing monitored by the 5 GIS Technical Working Groups as well as GIS End-user/Basic Training will continue up till the end of the Project to meet the demands of the BCM organisation.

BACKGROUND

The Governments of South Africa and Sweden have signed an agreement concerning co-operation in the field of urban development. The overall objective of the agreement is to establish the framework for co-operation in order to reduce the physical and social effects of segregation and create a more integrated environment to benefit the urban poor. **Swedesurvey** has been given the responsibility to assist Buffalo City, South Africa, in building a comprehensive GIS that will support the objectives of the Integrated Development Planning. In the first phase GIS strategies were formulated which are being implemented during the second phase now in full swing.