

Project Profile

Amathole District Municipality GIS Data Capture and Verification



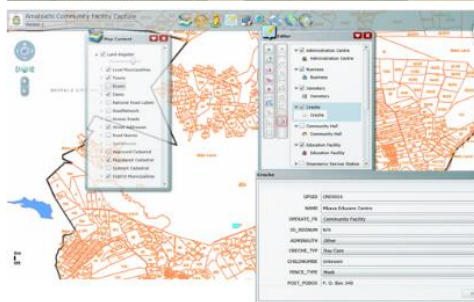
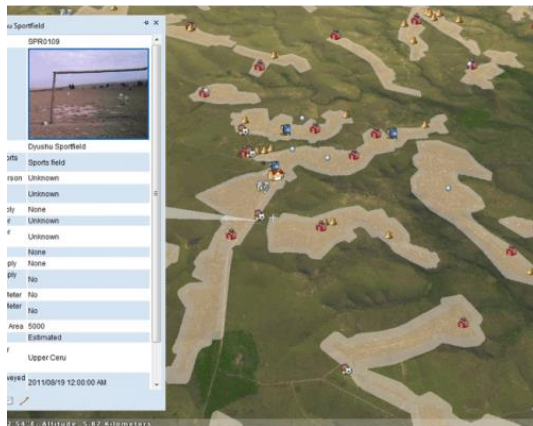
Amathole District Municipality



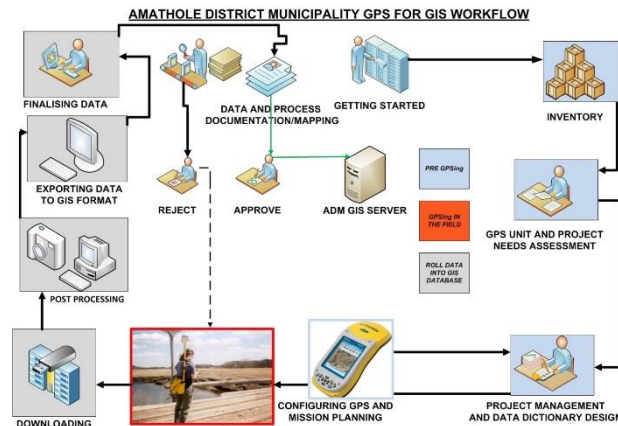
Eastern Cape, South Africa



2011-2012



Administration Centres	179
Businesses	1154
Cemeteries	699
Community Halls	201
Crèches	551
Education Facilities	1321
Emergency Services	6
Health Facilities	242
Libraries	23
Place of Worship	1356
Police Stations	38
Postal Facilities	63
Prisons	5
Projects	259
Quarries	52
Sports & Recreation	392
Tourism Assets	195
Waste Disposal Sites	18



Facility Type
Administration Centres
Business
Cemetery
Community Hall
Creche
Education Facility
Emergency Service Station
Health Facility
Library
Place Of Worship
Police Station
Postal Facilities
Prison
Projects
Quarries
Sports and Recreation
Tourism Assets
Waste Disposal Sites

Since 2008, the Amathole District Municipality has used GIS technology to capture information about its infrastructure in order to aid in roles like development planning, disaster response and project management. When not properly managed and updated, however, data can become obsolete, and by 2011 the District Municipality found their datasets were not accurate enough to make informed decisions. Eighteen key datasets were identified by the client and GeoAfrika Technologies worked with the relevant stakeholders, including ward councilors and local communities, to spatially capture and verify the required information. This was then published through a GIS web map and supported by a data maintenance plan to ensure the information was accurate, current and available 24/7.

Scope of Work

- Conduct a data audit and data ferreting exercise.
- Undertake a user requirement analysis with all departments of the District Municipality.
- Design a geodatabase to hold the spatial information.
- Create a data dictionary for the field capture of spatial information.
- Create capture forms for manual capture of attribute information.
- Create locality maps to assist the capture teams to navigate and orientate themselves in the field.
- Develop a web-based interface for the manual capturing of attribute data.