

## TECH-6: CURRICULUM VITAE (CV) FOR PROPOSED PROFESSIONAL STAFF

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1. **Proposed Position:** GIS and Mapping Sub contractor
2. **Name of Firm:** Thurlow Mapping
3. **Name of Sub contractor:** Andrew Thurlow
4. **Date of Birth:** 29 May 1982 Nationality: South African
5. **Education:**
  - BA Geography and Information Science , Univ. Johannesburg, 2005
  - BA Hons Geography and Remote Sensing, Univ. Johannesburg, 2006
6. **Membership of Professional Associations**
  - Member: Geo-Information Society of South Africa (GISSA)
7. **Other Training:**
  - ArcGIS Desktop (ESRI)
  - Spatial Analyst (ESRI)
  - 3D Analyst (ESRI)
  - Creating and integrating data for natural resource applications (ESRI)
  - FGASA Level 1 Theory and Practical (Includes 1<sup>st</sup> Aid)
  - AutoCAD
  - Advanced 4x4 driving
  - Category C Skippers
8. **Countries of Work Experience:**  
South Africa, Angola, Zambia
9. **Languages:**

Language	Reading	Speaking	Writing
English	Good	Good	Good
Afrikaans	Basic	Basic	Basic

### 10. Employment Record:

From February 2010 to Present

Employer: Thurlow Mapping

Positions held: Owner/GIS Consultant

From March 2009 to Feb 2001

Employer: Environmental Resources Management (SA) Pty Limited

Positions held: GIS Sub Contractor

From September 2007 to Dec 2008

Employer: Environmental Resources Management (SA) Pty Limited

Positions held: GIS Consultant

From May 2007 to September 2007

Employer: Environmental and Energy Services.

Positions held: Environmental Consultant

From Jan 2002 to Dec 2007

Employer: Thurlow Associates Project Managers and Engineers

Positions held: Assistant to Managing Director

<b>Detailed Tasks Assigned</b>	
<b>The Sub consultant will complete GIS and Mapping tasks for various aspects of the project.</b>	
<b>Work Undertaken that Best Illustrates Capability to Handle the Tasks Assigned</b>	
Name of assignment/project:	Riversdale Lower Zambezi Dredging Project
Year:	2010
Location:	Johannesburg,(Study area: Tete Province Mozambique)
Client:	Riversdale
Main project features:	GIS Map creation, as well as collecting data from various sources, Data conversion, compiling maps from data collected in the field.
Positions held:	GIS Sub Contractor
Activities performed:	<ul style="list-style-type: none"> <li>• Preparation of GIS base maps and templates</li> <li>• Data collection and compilation of various maps</li> </ul>
Name of assignment/project:	MAPA Zambia
Year:	2009
Location:	Zambia
Client:	MAPA
Main project features:	Creation of road and other infrastructure data within Angolan National Parks
Positions held:	Vehicle Lead and Data Capture Leader
Activities performed:	<ul style="list-style-type: none"> <li>• Vehicle Driver (Lead Vehicle)</li> <li>• Creating and reviewing spatial data collected on a daily basis</li> <li>• Conversion of raw data into Project standard format</li> <li>• Daily upload of Data via Satellite communications link</li> </ul>
Name of assignment/project:	Riversdale Lower Zambezi Dredging Project (Scoping Report)
Year:	2009

Location:	Johannesburg,(Study area: Tete Province Mozambique)
Client:	Riversdale
Main project features:	GIS Map creation, as well as collecting data from various sources, Data conversion.
Positions held:	GIS Sub Contractor
Activities performed:	<ul style="list-style-type: none"> <li>• Preparation of GIS base maps and templates</li> <li>• Data collection and compilation of various maps</li> </ul>
Name of assignment/project:	SATA Broadband Cable Project
Year:	2009
Location:	Johannesburg (Study area: Various African Countries)
Client:	SATA
Main project features:	GIS modeling used to determine which areas along various routes are sensitive to construction
Positions held:	GIS Sub contractor
Activities performed:	<ul style="list-style-type: none"> <li>• Preparation of GIS base maps and templates</li> <li>• Data collection and compilation of various maps</li> <li>• Modelling of GIS data for Sensitivity study</li> </ul>
Name of assignment/project:	Ndian Cameroon River Project
Year:	2009
Location:	Johannesburg (Study area: Cameroon)
Client:	Kosmos Energy Cameroon
Main project features:	Map Creation and Data collection
Positions held:	GIS Sub Contractor
Activities performed:	<ul style="list-style-type: none"> <li>• Preparation of GIS base maps and templates</li> <li>• Data collection and compilation of various maps</li> </ul>
Name of assignment/project:	MAPA Angola
Year:	2009
Location:	Angola
Client:	MAPA
Main project features:	Creation of road and other infrastructure data within Angolan National Parks
Positions held:	Backup Vehicle Leader and Data Capture Leader
Activities performed:	<ul style="list-style-type: none"> <li>• Vehicle Driver (Back Up Vehicle)</li> <li>• Creating and reviewing spatial data collected on a daily basis</li> <li>• Conversion of raw data into Project standard format</li> <li>• Daily upload of Data via Satellite communications link</li> </ul>
Name of assignment/project:	Chevron Site Contamination Project
Year:	2009
Location:	Johannesburg (Study Area: South Africa)

Client:	Chevron
Main project features:	CAD Drawings and GIS Maps
Positions held:	GIS Sub Contractor
Activities performed:	Creation of CAD drawings for numerous sites, as well as GIS mapping portraying numerous environmental aspect of each location.
Name of assignment/project:	CIC ESHIA (Update)
Year:	2009
Location:	Johannesburg (Study Area: mMamabula, Botswana)
Client:	CIC Energy
Main project features:	Map Creation of Data Conversions
Positions held:	GIS Sub Contractor
Activities performed:	<ul style="list-style-type: none"> <li>Update of many GIS maps showing various combinations of social and physical aspects of large scale coal mining and power generation.</li> </ul>
Name of assignment/project:	Oaks Mine Closure
Year:	2008
Location:	Johannesburg (Study Area: South Africa)
Client:	De Beers
Main project features:	Map creation through CAD and GIS integration
Positions held:	GIS Consultant
Activities performed:	GIS and CAD integration was used to create large number of maps to audit mine infrastructure, aid in quantum calculations for mine closure.
Name of assignment/project:	RCE Railway initiative
Year:	2008
Location:	Johannesburg, ( South Africa)
Client:	RCE Rail
Main project features:	Data collection and Maps creation
Positions held:	GIS Consultant
Activities performed:	<ul style="list-style-type: none"> <li>Sourcing various types of biodiversity data and landuse data.</li> <li>Creation of maps to determine which routing option which impact least on the environment.</li> </ul>
Name of assignment/project:	CIC ESHIA
Year:	2008
Location:	Johannesburg (Study Area: mMamabula, Botswana)
Client:	CIC Energy
Main project features:	Map Creation of Data Conversions
Positions held:	GIS Consultant

Activities performed:	<ul style="list-style-type: none"> <li>• Creation of numerous maps to aid specialist and consultants in the field.</li> <li>• Creation of Numerous many GIS maps showing various combinations of social and physical aspects of large scale coal mining and power generation.</li> </ul>
Name of assignment/project:	CIC Environmental Scan
Year:	2008
Location:	Johannesburg (Study Area: mMamabula, Botswana)
Client:	CIC Energy
Main project features:	Map Creation of Data Conversions
Positions held:	GIS Consultant
Activities performed:	Sourcing various types of data and analyzing it using GIS software to determine what aspects of the environment would be most susceptible to large scale mining and coal power generation.
Name of assignment/project:	Sonangol Refinery Project
Year:	2008
Location:	Johannesburg (Study Area : Lobito, Angola)
Client:	Sonangol
Main project features:	Map Creation of Data Conversions
Positions held:	GIS Consultant
Activities performed:	<ul style="list-style-type: none"> <li>• Data conversion and Map creation to show various combinations of social and physical aspects of large scale fuel refinement.</li> <li>• Converting all environmental maps into Portuguese.</li> </ul>
Name of assignment/project:	Shell Phase 1
Year:	2008
Location:	Johannesburg, ( South Africa)
Client:	SHELL
Main project features:	CAD Drawings and GIS Map creation
Positions held:	GIS Consultant
Activities performed:	Creation of CAD drawings for over 150 sites, as well as GIS mapping portraying numerous environmental aspect of each location.
Name of assignment/project:	ATOK Mine Groundwater Project
Year:	2008
Location:	Johannesburg (Study Area: South Africa)
Client:	ATOK
Main project features:	Map Creation of Data Conversions
Positions held:	GIS Consultant
Activities performed:	This entailed making numerous maps to display the

impact of various mining wastes on the groundwater, and to determine which areas were most polluted by various mining waste chemicals

Name of assignment/project:	EIA Kelgran Granite, Beestekraal Update
Year:	2007
Location:	Rustenberg, South Africa
Client:	KELGRAN, EES
Main project features:	Environmental Impact Assessment
Positions held:	Environmental Consultant
Activities performed:	Collected data on mine to aid to determine the impact of new mine development since prior EIA. Collecting data on the status of ongoing mine dump rehabilitation in order to calculate mine bankruptcy closure plan.

### 13. Certification:

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes myself, my qualifications, and my experience. I understand that any wilful misstatement described herein may lead to my disqualification or dismissal, if engaged.

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*[Signature of staff member or authorized representative of the staff]* Date: \_\_\_\_\_  
*Day/Month/Year*

**FULL NAME OF AUTHORIZED REPRESENTATIVE:** \_\_\_\_\_