

CONTACT DETAILS

Name of Company	CES – Environmental and Social Advisory Services
Designation	Grahamstown Branch
Profession	Senior Environmental Consultant; GIS Specialist; and Aquatic Specialist
Years with firm	8 Years
E-mail	J.Green@cesnet.co.za / Justin.Green@eoh.co.za
Office number	+27 (0)46 622 2364
Nationality	South African
Professional Body	<ul style="list-style-type: none">➤ SACNASP, South African Council for Natural Scientific Profession, Professional (Pending)➤ African Journal of Aquatic Science➤ IAIASa: Member of the International Association for Impact Assessments South Africa
Key areas of expertise	<ul style="list-style-type: none">➤ Geographic Information Systems (GIS)➤ Wetland Assessment➤ Surface Water & Aquatic Assessment

PROFILE

Mr Justin Green

Justin is employed as a Senior Environmental Consultant at Coastal & Environmental Services (CES), having spent the past 8 years working on Basic Assessments, EIA's, Monitoring Programme's, RAPs, Specialist Assessments and international fieldwork. I have worked on projects in the DRC, Lesotho, Mozambique, Zambia, Cameroon, Tanzania, Malawi, Swaziland, Madagascar and extensively throughout South Africa. Undertaking of numerous environmental management studies has resulted in a good working knowledge of environmental legislation and policy requirements.

I am currently the lead GIS specialist for CES, responsible for digitizing and processing vector and raster data for BAR's, EIA's and ESHIA's both locally and internationally. I have formed part of the GIS department for the past 7 years with my primary experience working with ArcGIS software and ArcEditor for developing GIS databases, data creation and snapping tolerances. Typical GIS projects include watershed analysis, viewshed analysis, infrastructure layouts, RAP data implementation, Sentinel-2 processing and specialist field data extraction. Projects have been completed for numerous international projects all up to African Bank, IFC and World Bank standards.

He has experience in training field teams and specialists in the use of OruxMaps and ODK collect as the primary tool for data collection. I am experienced in fieldworker training and team management resulting in the collection of field data, which can then be incorporated into GIS databases. Tablet based questionnaires are also used by these field teams to conduct surveys to collect information on project affected persons that are capable of linking to the spatial data collect. All survey data can then efficiently and accurately be captured in a Microsoft Access database for evaluation.

He is also specialized in Water Resources Management and Aquatic Biomonitoring and Assessment using the South African Scoring System (SASS5) methodology and am an accredited SASS5 practitioner. His experience in this field has included numerous large-scale mining, industrial, wastewater and agricultural EIA's that have required the construction of dams, pipelines and reservoirs. Many of these projects have also required the application for WULA's to be assessed.

<p>EMPLOYMENT EXPERIENCE</p>	<p>Coastal & Environmental Services, Grahamstown, South Africa Senior Environmental Consultant <i>January 2020 – Present</i></p> <ul style="list-style-type: none"> ➤ Senior Consultant ➤ GIS Specialist ➤ Surface Water & Aquatic Specialist ➤ Wetland Specialist <p>Coastal & Environmental Services, Grahamstown, South Africa Environmental Consultant <i>April 2012 – December 2019</i></p> <ul style="list-style-type: none"> ➤ Consultant ➤ GIS Specialist ➤ Surface Water & Aquatic Specialist ➤ Wetland Specialist
<p>ACADEMIC QUALIFICATIONS</p>	<ul style="list-style-type: none"> ➤ Bachelor of Science: Zoology and Entomology, Rhodes University, Grahamstown, 2006 - 2010 ➤ Post-Graduate Diploma in Enterprise Management Rhodes University, Grahamstown, 2011
<p>COURSES</p>	<ul style="list-style-type: none"> ➤ Rhodes University and CES - EIA Short Course. 2012. ➤ IMBEWU - Contaminated Land Workshop. 2013. ➤ GroundTruth - SASS5 Aquatic Biomonitoring Training Course. 2015. ➤ Rhodes University - Tools for Wetland Assessment. 2017. ➤ ESRI - Do-It-Yourself Geo Apps – 2020 ➤ ESRI - Going Places with Spatial Analysis - 2020
<p>CONSULTING EXPERIENCE</p>	
<p>WETLANDS, SURFACE WATER & AQUATIC ASSESSMENTS</p> <p>SOUTH AFRICA & INTERNATIONAL</p>	<ul style="list-style-type: none"> ➤ Triton Nicanda Hills Graphite Mine, Mozambique (2014) ➤ Sasol Nhangonzo Mozambique Biodiversity Assessment (2015) ➤ Alphamin Resources Mining ESIA, DRC (2015) ➤ GK Ancuabe Graphite Mine S.A. , Mozambique (2016) ➤ Murrimo Macadamias, Potatoes and Grains Project, Mozambique (2016) ➤ Kenmare Pilivili Mine, Mozambique (2017) ➤ Kenmare Road upgrade, Mozambique (2018) ➤ Triton Ancuabe Graphite Mine, Mozambique (2017) ➤ Triton Ancuabe Graphite Mine Monitoring, Mozambique (2018) ➤ JCM Cameroon Solar PV, Cameroon (2017) ➤ Suni Balama Graphite Mine, Mozambique (2018) ➤ CGA Siyahluma Citrus Farm, South Africa (2019) ➤ CGA Nomzamo Citrus Farm, South Africa (2019) ➤ Transnet Telecomms towers (x4), South Africa (2020)

<p>ENVIRONMENTAL AND SOCIAL IMPACT ASSESSMENT (ESIA)</p> <p>INTERNATIONAL</p>	<ul style="list-style-type: none"> ➤ Environmental Impact Statement: Sentinel Deposit, North Western Province, Zambia (2012) ➤ Mooi-Mgeni Transfer Scheme – Phase 2, Kwazulu-Natal Province, South Africa (2013) ➤ Syrah Balama Graphite Project: Pre-feasibility and Environmental Scoping Report, Mozambique (2013) ➤ Kamiesberg Project, Namakwaland, South Africa (2013) ➤ Belmont Valley Golf Course and Makana Residential Estate (EIA) (2013) ➤ Environmental and Social Impact Assessment Ranobe Mine Project, Southwest Region, Madagascar (2013) ➤ RHDHV – Biofuel ESIA Disclosure, Sofala Province, Mozambique (2014) ➤ London Mining Marampa Iron Ore Sierra Leone (2014) ➤ Proposed Upgrade of the Maroua Oil Mill in the Republic of Cameroon (2014) ➤ Proposed Upgrade of the Garoua Oil Mill in the Republic of Cameroon (2014) ➤ Green Resources Medium Density Fibreboard Production, Niassa Province, Mozambique (2014) ➤ Eastern Cape Biofuels Production (SEA) (2016) ➤
<p>MINING PROJECTS</p> <p>INTERNATIONAL</p>	<ul style="list-style-type: none"> ➤ Toliara Mineral Sands Rehabilitation and Offset Strategy Report, Madagascar (2014) ➤ Syrah Resources, Cabo del Gado, Mozambique (2014) ➤ Baobab Mining, Tete, Mozambique (2014) ➤ Triton Minerals Nicanda Hill Graphite Mine, Cabo del Gado, Mozambique (2014) ➤ Alphamin Resources TIN Mine ESIA, DRC (2016) ➤ Kenmare Pilivili Heavy Minerals Mine ESIA, Moma, Mozambique (2017) ➤ Metals of Africa Graphite Mine, Ancuabe, Mozambique (2017) ➤ Triton Minerals Ancuabe Graphite Mine, Cabo del Gado, Mozambique (2017)
<p>RESSETLEMENT ACTION PLANS (RAP)</p>	<ul style="list-style-type: none"> ➤ Murrimo Macadamias, Potatoes and Grains Project, Mozambique (2015) ➤ Kenmare Moma Mine, Moma, Mozambique (2017) ➤ Kenmare Pilivili Mine, Moma, Mozambique (2019) ➤ Total East Africa Midstream B.V - East African Crude Oil Pipeline (EACOP), Tanzania (2018-2019) ➤ Millennium Challenge Account (MCA) RAP Audit, Malawi, (2019) ➤ EEC Transmission RAP, Swaziland (2020)
<p>WIND ENERGY PROJECTS (EIA)</p> <p>SOUTH AFRICA</p>	<ul style="list-style-type: none"> ➤ MakanaOne Wind Energy Project (2012) ➤ Middleton Wind Energy (2012) ➤ Mossel Bay Wind Energy Project (2012) ➤ Plan 8 Wind Energy Project (2012) ➤ Grassridge Wind Energy Project (Coega) (2013) ➤ St Lucia Wind Energy Project (2013) ➤ Cookhouse Wind Energy Project (2013) ➤ Dassiesridge Wind Energy (2014) ➤ Inyanda-Roodeplaar Farm Wind Energy (2015)
<p>SOLAR ENERGY PROJECTS (EIA)</p>	<ul style="list-style-type: none"> ➤ MakanaOne Brack Kloof Photovoltaic Solar Energy Project, RSA (2012) ➤ MakanaOne Hilton Photovoltaic Solar Energy Project, RSA (2012) ➤ MakanaOne Table Hill Photovoltaic Solar Energy Project, RSA (2012) ➤ MakanaOne Watt Hill Photovoltaic Solar Energy Project, RSA (2012)

SOUTH AFRICA	<ul style="list-style-type: none"> ➤ JCM Solar PV Project, Cameroon (2017)
<p>BASIC ASSESSMENT (BAR)</p> <p>SECTION 24G RECTIFICATIONS REPORTS</p> <p>SOUTH AFRICA</p>	<ul style="list-style-type: none"> ➤ Resort Development on Portion 17 of Farm Gorah 398 (2012) ➤ Walmer 17th Avenue 132KV Powerline (2012) ➤ SANRAL Grahamstown to Fish River Road Upgrade (2013) ➤ Rehabilitation of R61 Section 2 Elinus Farm (Km42.2) To N10 (Km85), Cradock, Eastern Cape) (2013) ➤ Rehabilitation of N10 Section 3 between Riet River Bridge (km 45.2) and Tarka Bridge (km 68.5), Cradock, Eastern Cape (2013) ➤ Uhambiso Glenhurd Road Upgrade & Baakens River Bridge (2015) ➤ Innowind Ukomeleza & Olifantskop Substations and Overhead Powerlines (2015) ➤ Grahamstown Fairewood Estate Development (2015) ➤ Zirco Kenhardt Prospecting Application (2015) ➤ Justin Le Roux S24G, RSA (2018) ➤ Ramotshere Berg Housing, RSA (2020) ➤ Ramotshere kort Housing, RSA (2020) ➤ Adcock Housing Development S24G, RSA (2020) ➤ Oudtshoorn Cemetery S24G, RSA (2020) ➤ TCWF Piggery BAR, RSA (2020)
<p>MONITORING PROGRAMMES</p>	<ul style="list-style-type: none"> ➤ Innowind Waainek Wind Farm (2017) – 12 Month Bat Monitoring ➤ Triton Ancuabe Graphite Mine (2019) – 12 Month Water Monitoring ➤ Kenmare Pilivili (2020) – Mangrove Monitoring ➤ ELIDZ (2020) – Water Monitoring Plan
<p>ADDITIONAL EXPERIENCE</p>	<p>Faunal Assessments</p> <ul style="list-style-type: none"> ➤ Lesotho Highlands Water Project ESIA, Lesotho (2014) <ul style="list-style-type: none"> ➤ Mammal component for Faunal specialist study (trapping and identification), assistant to Faunal specialist. <p>Ecological Assessments</p> <ul style="list-style-type: none"> ➤ Borrow Pit in Libode, Eastern Cape Province (2014) ➤ LHDA Botanical Survey and Impact Assessment, Lesotho (2014) ➤ Kenmare Terrestrial Monitoring Program, Specialist Survey, MOMA, Mozambique (2014 & 2016) ➤ Doorndraai Citrus Ecological Assessment, Bedford, South Africa (2017) <p>Due Diligence</p> <ul style="list-style-type: none"> ➤ Coega Brick Due Diligence (2012) ➤ MCA Malawi Millenium RAP Audit Review (2019) <p>Environmental Auditing</p> <ul style="list-style-type: none"> ➤ Strowan Mine Environmental Auditing (2013) ➤ Grahamstown Municipal Dump Auditing (2017) ➤ Lalibela Lentaba Lodge Construction auditing (2017) ➤ Construction Audit: Biotherm Energy Access Road and Power Line, South Africa (2019) ➤ Construction Audit: Biotherm Energy Golden Valley-Kopleegte 132kV Power Line, South Africa (2019) ➤ Construction Audit: Amstilitte Golden Valley Wind Energy Facility, South Africa (2019)

	<p>Policy and Guidelines</p> <ul style="list-style-type: none">➤ Water use licence applications for various river crossings for Rehabilitation of R61 Section 2 Elinus Farm (Km42.2) To N10 (Km85), Cradock, Eastern Cape (BAR) (2013) <p>Mining applications</p> <ul style="list-style-type: none">➤ Mining Application for Hard Rock Quarry and borrow pits for N10-3 road upgrade (2013)➤ Mining Application for Hard Rock Quarry and borrow pits for R61-2 road upgrade (2013)➤ Mining Application for Hard Rock Quarries and borrow pits for N2 road upgrade (2013)
--	--

Languages	Speak	Read	Write
English	Excellent	Excellent	Excellent
Afrikaans	Satisfactory	Satisfactory	Satisfactory

CERTIFICATION

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



JUSTIN GREEN

Date: November 2020