



Senior Consultant: Ecosystem Services

Anchor Environmental Consultants is seeking a talented and enthusiastic scientist with particular interests in **spatial analysis and modelling pertaining to the quantification and valuation of ecosystem services**, for conservation planning, resource management and natural capital accounting, to join a team of dynamic individuals who are passionate about what they do.

Anchor is an internationally-regarded consulting firm based in Cape Town, South Africa, that offers ecological and socio-economic assessment, research and monitoring to inform environmental management and policy. Our **“Ecosystems & Society”** group works on multidisciplinary problems relating to conservation, resource management, ecosystem services, climate change and sustainable development. Our work therefore encompasses • ecosystem health, social and livelihood assessment • environmental economics • ecosystem services modelling and valuation and • natural capital accounting; it straddles marine, estuarine, freshwater and terrestrial realms; and it addresses decision-making, planning, policy and strategy regarding • conservation • rural and urban development • resource allocation and management, and • climate change vulnerability and adaptation.

The incumbent will be expected to:

- Undertake spatial modelling and dynamic analysis to support team work on the estimation of capacity, supply and value of ecosystem services, using relevant GIS-based and statistical software and modelling platforms such as ArcGIS, R, InVEST, SWAT, Trends.Earth, as well as for the identification of priority areas for conservation using software such as Marxan;
- Interpret statistical and spatial information and make policy recommendations
- Be fastidious in the preparation and use of accurate spatial and non-spatial data;
- Prepare visually-appealing maps for reporting;
- Summarise spatial data in tabular format for natural capital accounting, using GIS-based software;
- Prepare well-written reports;
- Be willing to learn new skills and take on new challenges relating to this field; and
- Contribute to the preparation of successful research and consulting proposals.

Ideal candidates should have:

- a Masters or PhD in landscape ecology, conservation biology, geography or relevant field;
- at least two years experience working in a related field;
- a good understanding of ecosystem services;
- advanced knowledge of GIS and spatial analysis;
- strong numeracy, statistical and quantitative skills;
- experience working in excel and R;
- ability to think critically and creatively,
- ability to work in multidisciplinary teams;
- demonstrated scientific writing skills.

Please send a CV, covering letter and names of three referees to jane@anchorenvironmental.co.za by 8 May 2019. Only short-listed candidates will be contacted.