



## water & sanitation

Department:  
Water and Sanitation  
REPUBLIC OF SOUTH AFRICA

### DEPARTMENT OF WATER AND SANITATION

- APPLICATIONS** : Centre: Pretoria: Please forward your applications quoting the relevant reference number to the Department of Water and Sanitation, Private Bag X 350 Pretoria 0001 or hand deliver at Continental Building, (Cnr Visagie).
- CLOSING DATE** : **25 AUGUST 2017 TIME: 16H00**
- POST** : SCIENTIFIC MANAGER GRADE A REF NO: 250817/05
- SALARY** : R 805 806 per annum (all inclusive salary OSD package)
- CENTRE** : **Pretoria**
- REQUIREMENTS** : MSc Degree or relevant qualification in Natural Sciences or Master Resource Management. Six (6) years post-qualification in Natural Scientific experience. Compulsory registration with the SACNASP as a Professional Natural Scientist (proof of registration must be attached) . Proven extensive practical experience and skills in hydrological modelling and flood frequency analysis. Excellent knowledge and practical experience in the application of models such as the Water Resource Simulation Model 2000 (WRSM 2000). Water Resource Yield Model (WRYM) and the CLASSR/PATCHR rainfall gap filling models. Demonstrable project management, team player and leadership skills. A valid driver's license and willingness to travel throughout South Africa for execution of some of the duties and working irregular hours. (Certified copy must be attached).
- DUTIES** : To provide strategic and technical leadership and effective management in the Sub-Directorate, Flood Studies and Management. Carry out site assessment to determine hydrological approach as well as survey flood sites and assist with hydraulic calibration of sites. Execute acquisition and verification of data for analyses plus deterministic, empirical and statistical analyses. Assisting with flood data collection (including flood surveys) during and after extreme flood events, as well as converting the flood data into useful flood information. Improve hydrological information quality through extension of ratings, filling of gaps in data. Assist with flood frequency estimation at all relevant flood sites. Assist with project management and co-ordination plus evaluation of consultants' reports when and where necessary. Rendering advice and support on flood hydrology evaluations to other units like National Water Resources Planning and Civil engineering in the Department. Mentoring and training of Candidate Scientists. Managing administrative, financial and personnel-related functions. Optimise the team's outputs.
- ENQUIRIES** : Mr TA Thobejane, Tel: 012 - 336 7869.