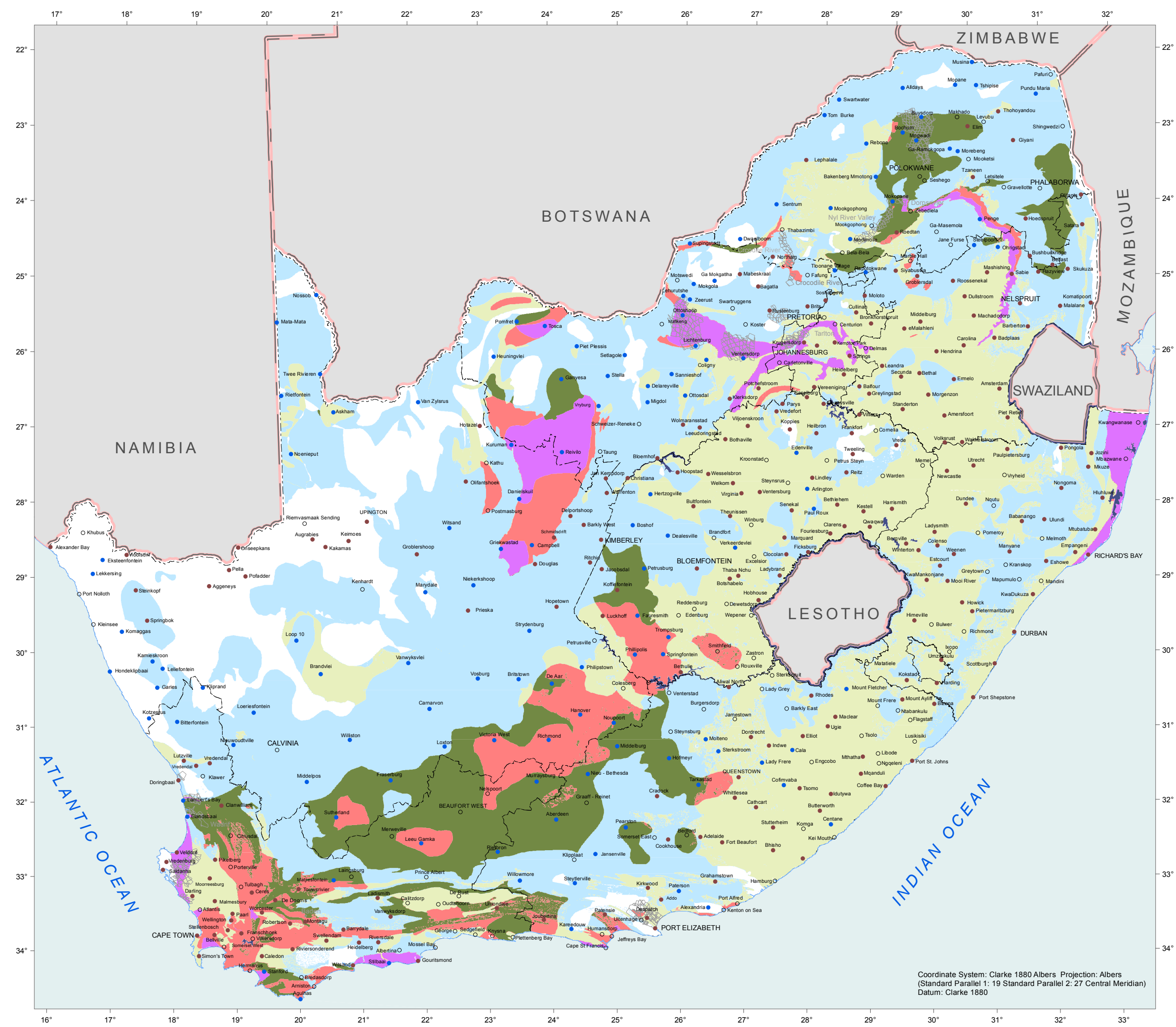




Aquifer Susceptibility of South Africa



Background:
Implementation of the Reconstruction and Development Programme (RDP) in South Africa has highlighted the importance of groundwater resources in the country as the role they will play in satisfying the targets of the RDP. As a result, exploration, development and protection of aquifers is receiving unprecedented attention. Provision of the appropriate information to national water resource managers and planners is a critical part of the process which aims to provide a further twelve million people with adequate access to potable water.

Data Sources:
This map is based on the Borehole Prospects map provided by JR Vegter, Hydrogeological Consultant and AJ Seymour, DWA.

Description:
This map indicates the qualitative measure of the relative ease with which a groundwater body can be potentially contaminated by anthropogenic activities and includes both aquifer vulnerability and the relative importance of the aquifer in terms of its classification.

Susceptibility Matrix				
AQUIFER CLASSIFICATION				
VULNERABILITY		Poor	Minor	Major
	Least	1 Low	2 Low	3 Medium
	Moderate	2 Low	4 Medium	6 High
		3 Medium	6 High	9 High

LEGEND

- Water Source**
- Groundwater
 - Combination (Ground and surface water)
 - Surface water
- Province**
- International boundary
 - Dams
 - Special aquifer regions
- DURBAN** Major Towns/Cities

Original Map Compilation: Andiswa Matoti, Julian Conrad and Susan Jones, CSIR, 22 March 1999.

Recompiled: June 2013
Directorate: Hydrological Services
Sub-Directorate: Geohydrological Information