The Distribution of Active Groundwater Level Monitoring Sites within South African Hydrogeological Regions

JUNE 2025

Task Ref: GM25_394

water & sanitation
Department:
Water and Sanitation
REPUBLIC OF SOUTH AFRICA

Map Description:
This map indicates the number of active groundwater level monitoring sites. The sites are grouped into nine groups with different colors to differentiate between the Provincial Offices responsible for the monitoring thereof.

Data Sources:
Boundaries and towns: Chief Directorate National Geospatial Information (NGI), Department Agriculture, Land Reform and Rural Development. Hydrogeological Regions: JR Vegter, Department of Water & Sanitation (DWS). Groundwater data: Directorate National Hydrological Services, Hydstra database, Department of Water & Sanitation (DWS), Groundwater Dependent Towns: Directorate Strategic Water Resources Planning, Department of Water & Sanitation (DWS).

The total number of active sites = 1726

LEGEND

- Major City/Town
- Selected Groundwater Dependent Town
- Hydrogeological Region Boundary
- Hydrogeological Region without Monitoring Sites
- International Boundary
- Provincial Boundary

Responsible Provincial Office:

- Region 1 - Western Cape
- Region 2 - Eastern Cape
- Region 3 - Kwazulu-Natal
- Region 4 - Gauteng
- Region 5 - Mpumalanga
- Region 6 - Free State
- Region 7 - Northern Cape
- Region 8 - Limpopo
- Region 10 - North West

Directorate: National Hydrological Services.

Hydrogeological Regions - Region ID and Region Name

REGION ID	REGION NAME
1	Makoppa Dome
2	Waterberg Coal Basin
3	Limpopo Granulite Gneiss Belt
4	Limpopo Karoo Basin
5	Soutpansberg Hinterland
6	Waterberg Plateau
7	Pietersburg Plateau
8	Soutpansberg
9	Western Bankeveld and Marico Bushveld
10	Karst Belt
11	Middelburg Basin
12	Eastern Bankeveld
13	Springbok Flats

REGION ID	REGION NAME
14	Western Bushveld Complex
15	Eastern Bushveld Complex
16	Northern Bushveld Complex
17	Central Highveld
18	Western Highveld
19	Lowveld
20	Northern Lebombo
21	Southern Lebombo
22	Eastern Kalahari
23	Western Kalahari
24	Ghaap Plateau
25	West Griqua Land
26	Bushmanland

REGION ID	REGION NAME
27	Namaqualand
28	Eastern Highveld
29	Dry Harts-Lower Vaal-Orange Lowland
30	Northeastern Pan Belt
31	Central Pan Belt
32	Southern Highveld
33	Northern Highland
34	Northeastern Upper Karoo
35	Bushmanland Pan Belt
36	Hantam
37	Tanqua Karoo
38	Western Upper Karoo
39	Eastern Upper Karoo

REGION ID	REGION NAME
40	Southeastern Highland
41	Western Great Karoo
42	Eastern Great Karoo
43	Ciskeian Coastal Foreland and Middleveld
44	Transkeian Coastal Foreland and Middleveld
45	Northwestern Middleveld
46	Northeastern Middleveld
47	Kwazulu-Natal Coastal Foreland
48	Northwestern Cape Ranges
49	Southwestern Cape Ranges
50	Southern Cape Ranges
51	Oudtshoorn Basin
52	Grootrivier-Klein Winterhoek-Suur-Kaprivier Ranges

REGION ID	REGION NAME
53	Ruensveld
54	Intermontane Tulbagh-Ashton Valley
55	Richtersveld
56	Knersvlakte
57	Swartland
58	Outenikwa Coastal Foreland
59	Southwestern Coastal Sandveld
60	Die Kelders Embayment
61	Bredasdorp Coastal Belt
62	Stilbaai Coastal Belt
63	Lower Gamtoos Valley
64	Algoa Basin
65	Northern Zululand Coastal Plain