

SUMMARY TABLE OF INDICATORS

Issue	Indicator	ID No.	Type	Level	Frequency
ATMOSPHERE AND CLIMATE					
Climate Change	Greenhouse gas emissions (carbon dioxide, nitrous oxide and methane)	AC01	P	2	5 yearly
	Energy use (fossil fuels vs. non-fossil fuels)	AC02	P	1	Annual
	Size of the national net carbon sink	AC03	P	2	5 yearly
	Malaria: morbidity and mortality	AC04	I	1	Annual
	Mean annual temperature	AC05	S	1	Annual
	Cost of carbon abatement	AC06	R	3	Annual
	Cost of natural disaster relief	AC07	R	1	5 yearly
	Energy intensity	AC08	S	1	Annual
Stratospheric Ozone	Consumption of ozone depleting substances	AC09	D/P	1	Annual
	UV-B trends	AC10	I	1	Monthly
	Stratospheric ozone level	AC11	S	1	Monthly
Air Quality	Ambient Sulphur Dioxide Concentration	AC12	S	2	Monthly
	Ambient Nitrogen Dioxide Concentration	AC13	S	2	Monthly
BIODIVERSITY AND NATURAL HERITAGE					
Species diversity	Threatened and extinct species per taxonomic group	BD01	S	2	5 yearly
	Endemic species per taxonomic group	BD02	P/S	2	5 yearly
	Alien (non-indigenous) species per taxonomic group	BD03	P/S	2	5 yearly
	Population trends of selected species	BD04	S	2	Annual / 5 yearly
	Distribution and abundance of selected alien species	BD05	P/S	2	5-yearly
Habitat change	Extent of conserved areas	BD06	S/R	2	5 yearly
	Extent of natural areas remaining	BD07	S	2	5 yearly
	Disturbance regimes : fire frequency	BD08	P	3	Annual
	Disturbance regimes : flood and drought	BD09	P	3	5 yearly
Resource value	Contribution to job creation : conservation areas	BD10	S	2	Annual
	Contribution to job creation : eradication of alien species	BD11	S	2	Annual
	Economic contribution of commercially utilised indigenous species	BD12	S	3	Annual
	Economic contribution of commercially utilised freshwater species	BD13	S	2	Annual

	Economic contribution of commercially utilised marine, coastal & estuarine species	BD14	S	2	Annual
	Economic contribution of commercially utilised terrestrial species	BD15	S	2	Annual
Natural heritage resources	Status of natural heritage resources	NH01	R	2	5 yearly
	Investment into natural heritage resources	NH02	R	2	5 yearly
	Visitors to natural heritage resources	NH03	R	2	Annual
ENVIRONMENTAL MANAGEMENT					
Environmental management	Multi-lateral environmental agreements	EM01	R	1	Annual
	Budgetary allocation to natural resource management	EM02	R	2	Annual
	Budgetary allocation to environmental education	EM03	R	2	Annual
	Budgetary allocation to environmental research	EM04	R	2	Annual
	Inclusion of Integrated Environmental Management (IEM) into IDPs and SDIs	EM05	R	2	Annual
	Conciliation Cases	EM06	R	3	Annual
	Voluntary adoption of environmental management systems	EM07	R	2	5 yearly
	Voluntary use of environmental accounting & reporting	EM08	R	2	Annual
	Government capacity for environmental management	EM09	R	2	Annual
	Environmental reporting by government departments	EM10	R	2	Annual & 4 yearly
HUMAN WELL-BEING					
Human Settlements	Green space per settlement	HW01	S	2	5 yearly
	Contaminated land per settlement	HW02	S	2	5 yearly
	Housing density	HW03	S	2	5 yearly
	Urban / rural population	HW04	P	1	5 yearly
	Proportion of urban area in South Africa	HW05	S	2	5 yearly
Vulnerability	GDP / capita	HW06	S	1	Annual
	Life expectancy	HW07	P	1	5 yearly
	Adult literacy rate	HW08	P	1	5 yearly
	Employment rate	HW09	S	1	Annual
	Population growth rate	HW10	P	1	5 yearly
	HIV / AIDS incidence	HW11	S	1	Annual
	Household energy use	HW12	S	1	Annual
	Access to water	HW13	S	1	Annual
	Access to sanitation	HW14	S	1	Annual

LAND USE					
Land use	Land cover	LU01	S	2	5 yearly
	Land productivity versus potential	LU02	S	3	5 yearly
Land condition	Desertification	LU03	S	1	5 yearly
	Soil loss	LU04	S	2	Annual
	Soil acidification	LU05	I	3	5 yearly
	Soil salinisation	LU06	I	3	5 yearly
	Land degradation	LU07	P	3	5 yearly
	Persistent organic pollutants	LU08	P	3	Annual
MARINE, COASTAL AND ESTUARINE					
Resource Management	Catches and Maximum Sustainable Yield per fishery sector	MC01	P	1	Annual
	Distribution and abundance of resource species	MC02	S	1	Annual
	Catch per unit effort per fishery sector	MC03	S	2	Annual
	Commercial fishing rights supporting SMME development	MC04	R	2	4 yearly
Resource Quality	Estuarine Health Index (State of South African Estuaries)	MC05	S	1	5 yearly
	Pollutant loading entering the seas from land based sources	MC06	P	1	Annual
	Blue Flag beaches	MC07	S	1	Annual
	Concentrations of heavy metals in sediments or biological tissues	MC08	S	3	Annual
	Oil pollution accidents along the coast	MC09	P	1	Annual
	Land cover change in the coastal zone	MC10	P	2	5 yearly
	Population density change in the coastal zone	MC11	P	1	5 yearly
WASTE MANAGEMENT					
Waste generation	General waste produced per income group per year	WM01	S	2	Annual
	General waste produced per capita per year	WM02	S	2	Annual
	Hazardous waste produced per sector per year	WM03	S	2	Annual
Waste reduction	Waste recycling	WM04	R	2	Annual
	Value of waste recycled	WM05	R	2	Annual
	General waste correctly disposed through landfill	WM06	S	2	Annual
	Hazardous waste correctly disposed	WM07	S	2	Annual
	Available landfill lifespan	WM08	P/S	2	5-yearly
	Provincial expenditure on waste management	WM09	R	2	Annual
	Provincial waste collection capacity	WM10	R	2	Annual

INLAND WATER					
Water Quantity	Intensity of use of surface water resources	IW01	P	2	5 yearly
	Intensity of use of ground water resources	IW02	P	2	5 yearly
	Total surface water used per sector	IW03	P	1	5 yearly
	Total ground water used per sector	IW04	P	2	5 yearly
	Total surface water resources per capita	IW05	S	1	5 yearly
	People dependent on ground water resources	IW06	S	2	5 yearly
	Surface water affordability	IW07	R	1	Annual
Water Quality	Surface water salinity	IW08	S	1	Annual
	Ground water salinity	IW09	S	1	Annual
	Surface water nutrients	IW10	S	1	Annual
	Ground water nutrients	IW11	S	1	Annual
	Surface water microbiology	IW12	S	2	Annual
	Ground water microbiology	IW13	S	2	Annual
	Surface water toxicity	IW14	I	2	Annual
Freshwater Ecosystem Integrity	Riparian vegetation	IW15	S	2	5 yearly
	Aquatic macro-invertebrate composition	IW16	S	2	Annual
	Fish community health	IW17	S	2	Annual
	Aquatic habitat integrity	IW18	S	2	5 yearly

Type refers to DPSIR (Driving Force / Pressure / State / Impact / Response)

Level refers to the availability of data (Level 1 – data currently available / Level 2 – limited data currently available / Level 3 – no data currently available)

Frequency refers to the reporting frequency required for State of the Environment reporting.