

## Recommended biodiversity-compatible land use guideline

Recommended land uses per land use zone as per the Biodiversity Sector Plan (BSP)

### Important Notes:

- The land use zones are based on those recommended under the Spatial Planning Land Use Management Act, 16 of 2013 ('**schedule 2 land use purposes**')
- These land use guidelines serve as the primary biodiversity informant to land use planning and decision-making, and cannot grant or take away existing land use rights.
- The land use guidelines are only offered for the **biodiversity priority categories** (PA, CBA, ESA), and not the remaining categories. Always prioritize for sustainable development, within general rural land-use principles, when considering land and water use applications in remaining categories i.e. other natural areas.

No	Land Use Zone	Associated Land use Activities	PA	CBA1	CBA2	ESA1	ESA2	ONA	NNR
1	Environmental Conservation (& similar zones in EMFs etc.)	Conservation management, low-intensity eco-tourism activities and sustainable consumptive activities. This includes both gazetted Protected Areas (NEMPA) and non-gazetted conservation areas.	Y	Y	Y	Y	Y	Y	Y
2	Tourism and Accommodation	Low Impact Eco-Tourism (e.g. lodge or other ecotourism infrastructure on game reserve)	Y	Y	Y	Y	Y	Y	Y
		Medium Impact Tourism / Recreational and Accommodation.	N	R	R	R	R	Y	Y
		High Impact Tourism / Recreational and Accommodation (e.g. golf and polo estates).	N	N	N	N	R	Y	Y
3	Rural Residential	Low density rural housing or eco-estates.	N	R	R	R	R	Y	Y
		Moderate density rural housing or eco-estates.	N	N	R	R	R	Y	Y
		Traditional Communal Areas and Rural Communal Settlement (New).	N	N	N	R	R	Y	Y
4	Agriculture	Extensive Game Farming	Y	Y	Y	Y	Y	Y	Y
		Extensive Livestock Production	N	Y	Y	Y	Y	Y	Y
		Extensive Game Breeding ( $\geq 100$ ha camps)	N	R	R	Y	Y	Y	Y
		Low Impact Extensive Game Breeding (permeable fencing and camps $> 100$ ha)	N	Y	Y	Y	Y	Y	Y
		Intensive Game Breeding ( $< 100$ ha camps, high stocking densities, impermeable fencing)	N	N	N	R	R	Y	Y
		Arable Land - Dryland and Irrigated Crop Cultivation	N	N	N	N	R	Y	Y
		Plantation Forestry: Timber Production.	N	N	N	N	R	Y	Y
		Agricultural Infrastructure - Intensive Animal Farming (e.g. feedlot, dairy, piggery, chicken battery).	N	N	N	N	R	Y	Y
5	Open-Space	Public or Private Open-Space (Modified), includes recreational areas, parks etc. i.e. loss of indigenous vegetation	N	N	N	N	Y	Y	Y
		Public or Private Open-Space (Natural) - includes natural open space (indigenous vegetation retained or rehabilitated in ESA2)	Y	Y	Y	Y	Y	Y	Y
6	Residential	Low, low-medium, medium-high, and high density urban residential development.	N	N	N	N	N	Y	Y
7	Urban Influence	An amalgamation of land use zones, including Institutional, Urban Influence, General Mixed Use, Low Impact Mixed Use, Suburban Mixed Use and General Business.	N	N	N	N	N	Y	Y
8	Low or High Impact and General Industry	Low Impact, General Industry and High Impact Industry (Urban & Business Development).	N	N	N	N	N	Y	Y

No	Land Use Zone	Associated Land use Activities	PA	CBA1	CBA2	ESA1	ESA2	ONA	NNR
9	Transport Services	Transportation service land uses e.g. airports, railway stations, petro-ports and truck stops, bus and taxi ranks and other transport depots.	N	N	N	R	R	Y	Y
10	Roads and Railways	Existing and planned linear infrastructure such as hardened roads and railways, including activities and buildings associated with road construction and maintenance, e.g. toll booths, construction camps and road depot sites. (Linear Engineering Structures)	N	N	R	R	R	Y	Y
11	Utilities	Linear engineering structures, such as pipelines, canals and power lines. (Linear Engineering Structures)	N	R	R	R	R	Y	Y
		Small-scale Infrastructural installations, including wastewater treatment works and energy sub-stations	N	N	R	R	R	Y	Y
		Large-scale Infrastructure installations, including bulk water transfer schemes, impoundments (Water Projects & Transfers), and energy-generation facilities.	N	N	N	N	R	Y	Y
		Renewable Energy (Photovoltaic farms and solar arrays)	N	N	N	R	R	Y	Y
		Renewable Energy (wind farms)	N	N	R	R	R	Y	Y
12	Quarrying and Mining	Prospecting and Underground Mining	N	N	N	R	R	Y	Y
		Quarrying and opencast mining (includes surface mining, dumping & dredging).	N	N	N	N	N	Y	Y
		Hydraulic Fracturing	N	N	R	R	R	Y	Y
SPECIAL MANAGEMENT OVERLAY ZONE									
13	CBA Map Overlay Zone / Bioregional Planning Overlay Zone / Environmental Management Overlay Zone	These are areas that are designated as priority areas for protection, namely CBAs and ESAs. Therefore the land use activities for CBA and ESA above will apply.	Land use activities for CBA and ESA above will apply						

Recommended biodiversity-compatible land use guidelines matrix (adapted from the MPTA, 2014; DEA&DP, 2004).

#### Key:

1. Y = YES, permitted and actively encouraged activity;
2. N = NO, not permitted, actively discouraged activity; and,
3. R = RESTRICTED to compulsory, site-specific conditions & controls when unavoidable, not usually permitted.

#### About AWARD

**AWARD recognizes that the natural world's resources are limited and undergoing rapid depletion and transformation. It is aware that current practices of use and management are inadequate to deal with the changes and challenges being faced in the Olifants catchment as well as in the Limpopo Basin. AWARD has and continues to design practical interventions to address the vulnerability of people and ecosystems, and merge considerations from both environmental and social perspectives. Its approach involves thinking across disciplines, boundaries and systems and working with diverse people and institutions in the water and biodiversity sectors in the Olifants River Catchment to understand the multiple vulnerabilities to change, including climate change. Along with **quality scientific contributions**, **AWARD's engagement in the socio-political context of the Olifants River Catchment** allows it to institutionalize integrated, resilience-based practices, providing a foundation for robust development policy and practice in this river catchment, and beyond.**

Contact AWARD at:

AWARD  
P O Box 1919  
Hoedspruit 1380  
Limpopo, South Africa  
T: 015-793 0503  
W: [award.org.za](http://award.org.za)  
Company Reg. No. 98/03011/08  
Non-profit org. Reg. No. 006 - 821

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