

NOTICE 819 OF 2014**DEPARTMENT OF WATER AND SANITATION****NATIONAL WATER ACT, 1998
(ACT NO.36 OF 1998)****PROPOSED CLASSES OF WATER RESOURCES FOR THE CATCHMENTS OF THE
OLIFANTS**

I, Nomvula Paula Mokonyane, in my capacity as Minister of Water and Sanitation, and duly authorised in terms of section 13(4) of the National Water Act (Act No. 36 of 1998) hereby publishes for public comment the proposed classes of water resources for catchments of the Olifants, in the Schedule, to be issued under section 13(4) of the said Act.

Any person who wishes to submit written comments with regard to the proposed classes should submit the comments within 60 days from the date of publication of this Notice to:

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MRS NP MOKONYANE
MINISTER OF WATER AND SANITATION

DATE: 26/08/2014

SCHEDULE

PROPOSED CLASSES OF WATER RESOURCE FOR CATCHMENTS OF THE OLIFANTS IN TERMS OF SECTION 13(1)(A) OF THE NATIONAL WATER ACT, 1998, ACT NO.36 OF 1998

DESCRIPTION OF WATER RESOURCE

1. The proposed classes are determined for all or part of every significant water resource within the catchments of the Olifants as set out below:

Water Management Area:	Olifants
Drainage Regions:	B primary drainage region
Rivers:	Olifants River System

2. The Minister has, in terms of section 12 of the National Water Act, Act No 36 of 1998 (the Act), prescribed a system for classifying water resources by promulgating Regulation 810, Government Gazette 33541 dated 17 September 2010. In terms of section 13(1) of the Act the Minister must, as soon as reasonably practicable after the Minister has prescribed a system for classifying water resources and subject to subsection (4), by notice in the *Gazette*, determine for all or part of every significant water resource, a class in accordance with the prescribed classification system.
3. The Minister, in terms of section 13(1) of the Act, proposes to determine the following classes of each significant water resource for catchments of the Olifants.

**DETERMINATION OF THE CLASS OF WATER RESOURCE IN TERMS OF
SECTION 13(1)(A) OF THE NATIONAL WATER ACT, 1998**

1. A summary of the water resource classes for Integrated Units of Analysis (Figure 1) and ecological categories for the Olifants is set out in Table 1.
2. Integrated units of Analysis are classified in terms of their extent of permissible utilization and protection as either Class I: indicating high environmental protection and minimal utilization; or Class II indicating moderate protection and moderate utilization; and Class III indicating sustainable minimal protection and high utilization.

1. Water Resource Classes for the Olifants catchment

Table 1: Water Resource Classes per IUA and Ecological Categories per Biophysical Node

Integrated Unit of Analysis (IUA)	Water Resource Class for IUA	Biophysical Node Name	Quaternary Catchment	River Name	Ecological Category to be maintained	Natural MAR (million m ³ /a)	EWI as % of natural MAR ¹⁾
1 Upper Olifants River catchment	III	HN1	B11A, B11B	Olifants (confluence with Steenkoolspruit)	C	61.3	10.25
		HN2	B11C	Piekespruit (confluence with Steenkoolspruit)	B	-	-
		HN3	B11D	Dwars-indieWegspruit (confluence with Trichardtspruit)	C	-	-
		HN4	B11D	Steenkoolspruit (outlet of quaternary)	D	44.6	4.70
		HN5	B11E	Blesbokspruit (confluence with Rietspruit)	B	-	-
		HN6	B11E	Steenkoolspruit (confluence with Olifants)	D	65.4	4.70
		HN7	B11F	Olifants (outlet of quaternary)	D	147.9	4.70
		EWI Site NOU-EWI1	B11G	Noupoortspruit	C/D	4.28	13.90
		HN9	B11G	Olifants (releases from Witbank Dam)	D	164.0	4.70
		HN10	B11H	Spookspruit (confluence with Olifants)	C	11.4	10.25
		EWI site 1	B11J	Olifants	D	184.5	4.70
		HN12	B11K, B11L	Klipspruit (confluence with Olifants)	D	45.7	4.67
		HN14	B12A	Boschmansfontein (confluence with Klein Olifants)	C	-	-
		HN15	B12A	Klein Olifants (outlet of quaternary)	C	12.7	18.85
		HN16	B12B	Klein Olifants (outlet of quaternary)	D	16.9	8.11
		OLI-EWI1 (Rapid site)	B12C	Klein Olifants	C	44.5	18.85
2 Wilge River catchment area	II	HN18	B12C	Klein Olifants (releases from Middelburg Dam)	D	53.5	5.52
		HN19	B12D	Vaalbankspruit (confluence with Klein Olifants)	D	-	-
		HN20	B12D	Klein Olifants (outlet of quaternary)	D	67.3	5.52
		HN21	B20A	Bronkhorstpruit (outlet of quaternary)	C	27.7	13.38
		HN22	B20B	Koffiespruit (confluence Bronkhorstpruit)	C	15.5	13.38
		HN23	B20C	Osspruit (inflow to Bronkhorstpruit Dam)	D	-	-
		HN24	B20C	Bronkhorstpruit (outlet from Bronkhorstpruit Dam)	C	56.4	13.44
		HN25	B20D	Hondespruit (confluence with Bronkhorstpruit)	C	11.9	13.39

Integrated Unit of Analysis (IUA)	Water Resource Class for IUA	Biophysical Node Name	Quaternary Catchment	River Name	Ecological Category to be maintained	Natural MAR (million m ³ /a)	EWR as % of natural MAR ¹⁾
3 Selons River area including Loskop Dam	II	HN26	B20D	Bronkhorstpruit (confluence with Wilge)	C	79.9	13.45
		HN27	B20E, B20F	Wilge (confluence with Bronkhorstpruit)	C	45.8	13.42
		HN28	B20G	Saalboomspruit (confluence with Wilge)	C	22.1	13.40
		HN29	B20H	Grootspuit (confluence with Wilge)	C	12.8	13.40
		HN30	B20H	Wilge (outlet of quaternary)	B	158.2	17.92
		EWR site 4	B20J	Wilge	B	175.5	12.16
		HN32	B12E	Doringboomspruit (confluence with Klein Olifants)	B	-	-
		HN33	B12E	Keeromspruit (confluence with Klein Olifants)	C	-	-
		EWR site 3	B12E	Klein Olifants	D	81.5	12.72
		OLI-EWR3 (Rapid site)	B32A	Kranspoortpruit	B	4.7	24.42
		HN36	B32A	Boekenhoutloop (inflow to Loskop Dam)	B	-	-
		EWR Site 2	B32A	Olifants	C	500.6	12.53
		HN38	B32B, B32C	One node at confluence of Selons with Olifants in B32C. Included: Klipspruit (confluence with Selons) Kruis (confluence with Selons) Selons (confluence with Olifants)	B	-	-
		HN39	B32C	Olifants (releases from Loskop Dam)	D	568.6	7.22
		HN40	B32C	Olifants (outlet of quaternary – outlet of IUA3)	D	576.8	7.22
4 Elands River catchment area	III	HN41	B31A, B, C	One node at outlet of B31C, releases from Rust de Winter Dam. Included: B31A (Elands) B31B (Hartbeesspruit) B31C (Elands)	C	33.5	12.34
		HN42	B31D	Enkeldoringspruit (confluence with Elands)	C	-	-
		HN43	B31F	Elands (releases from Mkuembe Dam)	C	59.8	12.34
		HN44	B31G	Kameel (upper part only)	D	-	-
		EWR Site 6	B31G	Elands	D	60.3	6.32

Integrated Unit of Analysis (IUA)	Water Resource Class for IUA	Biophysical Node Name	Quaternary Catchment	River Name	Ecological Category to be maintained	Natural MAR (million m ³ /a)	EWI as % of natural MAR ¹⁾
5 Middle Olifants up to Flag Boshielo Dam	III	HN46	B31G	Elands (outlet of quaternary – outlet of IUA4)	D	69.6	6.32 (D)
		HN47	B31H, B31J	Elands (outlet of quaternary, confluence with Olifants)	D	84.1	6.32 (D)
		HN48	B32E, B32F	One node at confluence with Olifants in B32F Included: B32E (Bloed) B32F (Doringpoortloop, Diepkloof and Bloed)	B	17.2	13.90
		HN49	B32G, H	One node at outlet of B32H, confluence with Olifants Included: B32G (Moses) B32H (Mametse and Moses)	C	35.4	9.93
		EWI site 5	B32D	Olifants	C	570.9	9.96
		HN51	B51B	Puleng (upper part only)	B	-	-
		HN52	B51B	Olifants (releases from Flag Boshielo Dam)	D	723.4	3.91
		HN53	B51D, B51E	Olifants (outlet of quaternary – outlet of IUA5)	D	726.6	3.81
		HN54	B41A	One node at outlet of B41A. Included: Grootspuit (outlet of quaternary) Langspuit, including Lakenvispruit and Kleinspruit	C	41.9	20.78
		OLI-EWR2 (Rapid site)	B41B	Steelpoort	C	63.5	20.78
6 Steelpoort River Catchment	III	HN56	B41C	Masala (confluence with Steelpoort), including Tonteldoos and Vlugkraal	C	-	-
		HN57	B41D, B41E	Steelpoort (inflow to De Hoop Dam)	C	117.0	20.78
		HN58	B41F	Draaikraalspruit (confluence with Klip)	B	-	-
		OLI-EWR4 (Rapid site)	B41F	Klip	C	5.2	12.44
		HN60	B41G	Kraalspruit (confluence with Groot Dwars)	B	-	-
		HN61	B41G	Klein Dwars (Confluence with Groot Dwars)	D	-	-
		HN62	B41G	Upper reaches of Dwars (before mining impacts)	C	24.5	13.33
		DWA-EWR1	B41H	Dwars (existing)	B/C	31.4	19.41
		HN64	B41H	Steelpoort	D	-	-
		EWI site – 9	B41J	Steelpoort	D	120.2	7.97
7	III	EWI site – 10	B41K	Steelpoort (confluence with Olifants – outlet of IUA6)	D	336.6	7.43
		HN67	B51F	Nkumpi (outlet of quaternary)	C	3.8	10.73

Integrated Unit of Analysis (IUA)	Water Resource Class for IUA	Biophysical Node Name	Quaternary Catchment	River Name	Ecological Category to be maintained	Natural MAR (million m ³ /a)	EWR as % of natural MAR ¹⁾
Middle Olifants below Flag Boshie Dam		EWR site 7	B51G	Olifants	D	726.5	3.84 (D)
		HN69	B52E	Palangwe (confluence with Olifants)	C	-	-
		HN70	B52F	Hiakaro (outlet)	C	-	-
		HN71	B52J	Mphogodima (confluence with Olifants)	C	-	-
		HN72	B52A, E, G, J	Olifants (outlet of quaternary – outlet of IUA7)	D	799.7	3.88
8 Spekboom catchment	II	HN73	B42A, B42B	One node for Dorpspruit at outlet of B42B. Included: Hoppe se Spruit (confluence) Doringbergspruit (confluence)	C	-	-
		OLI-EWR9 (Rapid site)	B42B	Dorpspruit	C/D	63.2	11.99
		HN75	B42C	Potloodspruit (confluence with Dorps)	C	-	-
		HN76	B42D, B42E	Dorps (confluence with Spekboom) Spekboom (confluence with Dorps)	C	69.7	14.95
		OLI-EWR6 (Rapid site)	B42D	Spekboom	C	28.0	17.15
		HN78	B42F	Potspruit (confluence with Watervals)	C	-	-
		HN79	B42F	Watervals (releases from Buffelskloof Dam)	C	28.6	17.36
		HN80	B42G	Rooiwalhoek-se-Loop (confluence with Watervals)	B	-	-
		OLI-EWR5 (Rapid site)	B42G	Watervals	C	36.4	15.47
		HN82	B42H	Spekboom (outlet of quaternary – outlet of IUA 8)	B	149.0	24.84
9 Ohrigstad catchment	III	HN83	B60E, B60F	One node at outlet of B60F. Included: Kranskloofspruit (confluence with Ohrigstad) Mantshibi (confluence with Ohrigstad) Ohrigstad (outlet of quaternary)	D	35.6	6.31
		HN84	B60G	Vyehoek (confluence with Ohrigstad)	C	-	-
		OLI-EWR8 (Rapid site)	B60H	Ohrigstad	D	65.5	16.59
		HN86	B60H	Ohrigstad (outlet of quaternary – outlet of IUA9)	D	69.7	8.05
		HN87	B60J	Sandspruit, including Rietspruit and Qunduhlu	B	-	-

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10 Lower Olifants	II	EWI site – 12	B60J	Blyde	B	383.7	27.9
		HN89	B60J	Blyde (confluence with Olifants)	C	385.7	16.13
		HN90	B71A	Paardevlei (confluence with Tongwane)	B	-	-
		HN91	B71A	Tongwane (confluence with Olifants)	B	-	-
		EWI site – 8	B71B	Olifants	D	813.0	4.30
		HN93	B71C	Mohlaptse (upper reaches)	B	42.1	26.5
		HN94	B71D	Kgotswane (confluence with Olifants)	B	-	-
		HN95	B71D, B71F	Olifants (confluence with Steelpoort)	D	937.9	4.30
		EWI site – 11	B71G, H, J	Olifants (confluence with Blyde)	D	1321.8	11.2 (D)
		HN97	B72A	Makhutswi, including Mougwane and Malomanye	C	38.0	12.89
11 Ga-Selati River	III	HN98	B72C	Olifants (outlet – outlet of IUA10)	C	1755.5	18.07
		HN99	B72E	Ngwabatsse (confluence with Ga-Selati)	D	25.7	9.05
		HN100	B72F, G	Ga-Selati (outlet of quaternary)	C	13.5	19.59
		EWI site – 14a	B72H	Ga-Selati	C	52.2	19.59
		HN102	B72J	Molatie (confluence with Ga-Selati)	B	11.4	12.67
		EWI site – 14b	B72K	Ga-Selati	D	72.7	11.99 (D)
		HN104	B72K	Ga-Selati (outlet of quaternary – outlet of IUA11)	D	72.7	11.95 (D)
		EWI site 13	B72D	Olifants	C	1760.7	11.36
		OLI-EWI7 (Rapid site)	B73A	Klaserie	B/C	25.5	22.31
		HN107	B73B	Klaserie (confluence with Olifants)	C	37.1	15.41
12 Lower Olifants within Kruger National Park	II	HN108	B73C	Tsiri (confluence with Olifants)	B	-	-
		HN109	B73C	Tshutshi (confluence with Olifants)	B	-	-
		HN110	B73D	Nhlalalumi, including Machaton, Nyameni and Thlalarumi	B	6.8	13.65
		HN111	B73E	Sesete (confluence with Timbavati)	B	11.1	12.24
		HN112	B73F	Timbavati (outlet of quaternary)	B	18.7	12.12
		HN113	B73G	Timbavati, including Shisakashonghondo	B	-	-
		EWI site 16	B73G, B73H	Olifants	C	1916.9	10.75
		HN115	B73J	Hlahleni (confluence with Olifants)	A	-	-
		HN116	B73J	Olifants (outlet of quaternary – outlet of IUA12)	C	1918.3	14.72
		HN117	B60A	Blyde (confluence with Lisbon)	C	87.1	18.73
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Integrated Unit of Analysis (IUA)	Water Resource Class for IUA	Biophysical Node Name	Quaternary Catchment	River Name	Ecological Category to be maintained	Natural MAR (million m ³ /a)	EWR as % of natural MAR ¹⁾
Blyde River catchment		HN118	B60B	Lisbon, including Heddelespruit and Watervalspruit	B	-	-
		HN119	B60B	Blyde (outlet of quaternary)	B	183.8	32.86
		EWR site – TRE-EWR1	B60C	Treur	B	46.8	34.60
		HN121	B60D	Blyde (inflow to Blyderivierpoort Dam – outlet of IUA13)	B	283.9	31.57

MAR: Mean Annual Run-off

¹⁾ Based on EWR for maintenance and drought flows only

INTEGRATED UNITS OF ANALYSIS (13 IUAS) DELINEATED FOR THE OLIFANTS WMA

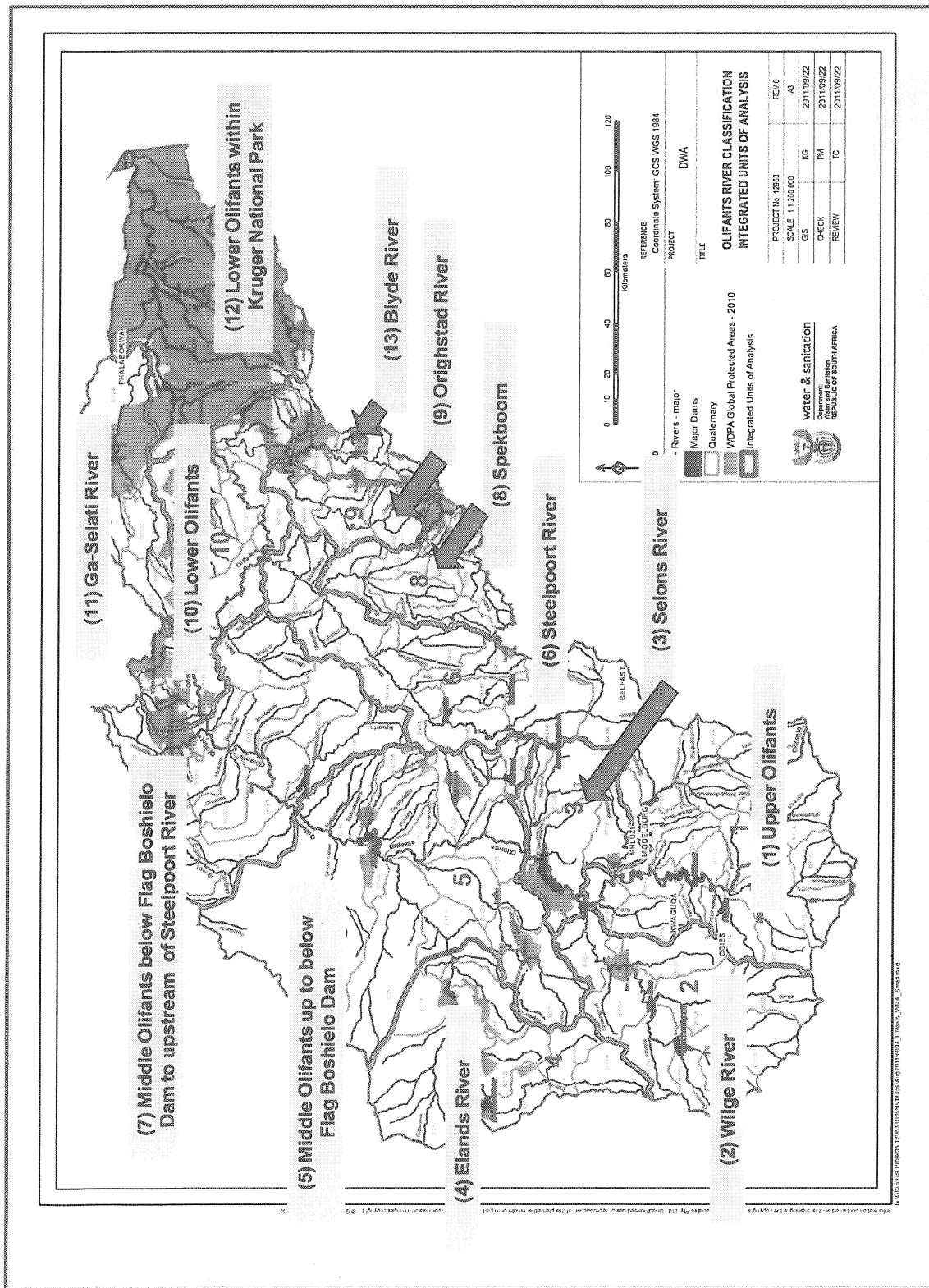


FIGURE 1: MAP ILLUSTRATING THE INTEGRATED UNITS OF ANALYSIS FOR THE OLIFANTS CATCHMENT