

**NOTICE 818 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  
CROCODILE (WEST), MARICO, MOKOLO AND MATLABAS**

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 Crocodile (West), Marico, Mokolo and Matlabas, 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 CROCODILE (WEST), MARICO, MOKOLO AND MATLABABAS 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 Crocodile (West), Marico, Mokolo and Matlabas as set out below:

|                        |                                                                                                                 |
|------------------------|-----------------------------------------------------------------------------------------------------------------|
| Water Management Area: | Limpopo                                                                                                         |
| Drainage Regions:      | A10, A21 to A24, A31, A32 (Crocodile (West) and Marico)<br>A42A-H and A42J (Mokolo)<br>A41C and A41D (Matlabas) |
| Rivers:                | Piernaars, Apies, Moretele, Hennops, Jukskei, Magalies, Elands, Tambotie, Poer-se-Loop, Rietspruit, Matlabas    |

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 Crocodile (West), Marico, Mokolo and Matlabas.

## 1. Water Resource Classes of the Crocodile (West), Marico, Mokolo and Matlabas catchments

Table 1: Water Resource Classes per Integrated Unit of Analysis 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 <sup>3</sup> /a) | EWI as % of natural MAR <sup>1)</sup> |
|-----------------------------------------|------------------------------|-----------------------|----------------------|-----------------------------------------------------------------------------------------------|--------------------------------------|-----------------------------------------|---------------------------------------|
| Upper Crocodile/ Hennops/ Hartbeespoort | III                          | EWI site CROC_EWR16   | A21A                 | Rietvlei Dam                                                                                  | C                                    | 4.788                                   | 27.83                                 |
|                                         |                              | HN2                   | A21B                 | Sesmylspruit with its' tributaries to confluence with Hennops                                 | D                                    | -                                       | -                                     |
|                                         |                              | HN3                   | A21C                 | Modderfonteinpruit to confluence with Jukskei                                                 | D                                    | -                                       | -                                     |
|                                         |                              | HN4                   | A21C                 | Klein Jukskei at confluence with Jukskei                                                      | D                                    | -                                       | -                                     |
|                                         |                              | EWI site CROC_EWR2    | A21C                 | Jukskei River                                                                                 | D                                    | 34.4                                    | 29.19                                 |
|                                         |                              | HN6                   | A21D                 | Bloubankspruit and tributaries (outlet of quaternary/confluence with Crocodile)               | D                                    | -                                       | -                                     |
|                                         |                              | HN7                   | A21A, B, H           | Hennops (source) to confluence with Crocodile                                                 | D                                    | -                                       | -                                     |
|                                         |                              | HN8                   | A21H                 | Swartspruit to Hartbeespoort Dam                                                              | D                                    | -                                       | -                                     |
|                                         |                              | EWI CROC_EWR1         | A21E, H              | Crocodile (source)                                                                            | D                                    | 87.8                                    | 24.07                                 |
|                                         |                              | HN10                  | A21H, J              | Crocodile at Hartbeespoort Dam, outlet of IUA1                                                | C/D                                  | -                                       | -                                     |
|                                         |                              | HN11                  | A23A                 | Plenaars(source) and including Moreletaspruit and Edendalespruit to outlet of Rooideplaat Dam | D                                    | -                                       | -                                     |
|                                         |                              | EWI site CROC_EWR4    | A23B                 | Plenaars from Rooideplaat Dam to outlet of quaternary catchment (outlet of IUA1)              | C                                    | 28.2                                    | 20.98                                 |
|                                         |                              | HN13                  | A23B                 | Boekenhoutspruit to confluence with Plenaars                                                  | C                                    | -                                       | -                                     |
|                                         |                              | HN14                  | A23D                 | Skimmerspruit (source) to confluence with Apies                                               | D                                    | -                                       | -                                     |
|                                         |                              | HN15                  | A23D, E              | Apies (source) to Bon Accord Dam, below the dam at outlet of IUA1                             | D                                    | -                                       | -                                     |
| Magalies                                | II                           | EWI site CROC_EWR9    | A21F                 | Magalies below Maloney's Eye                                                                  | B                                    | 14.7                                    | 45.58                                 |
|                                         |                              | EWI site CROC_EWR15   | A21G                 | Magalies                                                                                      | C/D                                  | -                                       | -                                     |
|                                         |                              | HN18                  | A21G, F              | Skeerpoort at outlet of IUA2                                                                  | C/D                                  | -                                       | -                                     |
| Crocodile/ Roodekoppies                 | III                          | HN19                  | A21J                 | Rosespruit at confluence with Crocodile                                                       | C/D                                  | -                                       | -                                     |
|                                         |                              | HN20                  | A21J                 | Crocodile from Hartbeespoort Dam to upstream Roodekoppies Dam, outlet of IUA3                 | D                                    | -                                       | -                                     |
| Hex/                                    | II                           | EWI site CROC_EWR11   | A21K                 | Sterksroom (source) to Buffelspoort Dam                                                       | C                                    | 21.89                                   | 21.18                                 |

| 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 <sup>3</sup> /a) | EWR as % of natural MAR <sup>1)</sup> |
|------------------------------------------|------------------------------|-----------------------|----------------------|----------------------------------------------------------------------------------|--------------------------------------|-----------------------------------------|---------------------------------------|
| Waterkloofspruit/<br>Vaalkop             |                              | HN22                  | A21K                 | Sterksroom from Buffelskloof Dam to Roodekopies Dam, outlet of IUA4              | C                                    | -                                       | -                                     |
|                                          |                              | HN23                  | A22G                 | Hex (source) to Olifantsnek Dam                                                  | C                                    | -                                       | -                                     |
|                                          |                              | EWR Site CROC_EWR14   | A22H                 | Waterkloofspruit to confluence with Hex                                          | B/C                                  | 5.469                                   | 28.27                                 |
|                                          |                              | HN25                  | A22H                 | Hex from Olifantsnek Dam to Bospoort Dam                                         | D                                    | -                                       | -                                     |
|                                          |                              | EWR site CROC_EWR6    | A22J                 | Hex from Bospoort Dam to Vaalkop Dam                                             | D                                    | 26.9                                    | 14.96                                 |
|                                          |                              | HN27                  | A22J                 | Elands from Vaalkop Dam to confluence with Crocodile, outlet of IUA4             | D                                    | -                                       | -                                     |
| Elands/<br>Vaalkop                       | II                           | EWR Site CROC_EWR10   | A22A                 | Elands (source) to Swarttruggens Dam                                             | C                                    | 10.1                                    | 30.48                                 |
|                                          |                              | HN29                  | A22A                 | Elands from Swarttruggens Dam to Lindleypoort Dam                                | C                                    | -                                       | -                                     |
|                                          |                              | HN30                  | A22B                 | Koster (source) to Koster Dam                                                    | C                                    | -                                       | -                                     |
|                                          |                              | HN31                  | A22C, A22D           | Selons to confluence with Elands                                                 | C                                    | -                                       | -                                     |
|                                          |                              | EWR Site CROC_EWR13   | A22E, A22F           | Elands from Lindleypoort Dam () to Vaalkop Dam, outlet of IUA5                   | C                                    | 18.77                                   | 21.90                                 |
|                                          |                              | EWR Site MAR_EWR6     | A31B                 | Polkadraaispruit to confluence with Marico                                       | B/C                                  | 9.89                                    | 31.87                                 |
| Klein Marico/<br>Krommelmboog            | II                           | HN34                  | A31B                 | Marico from MAR_EWR2 to N4 road at town                                          | B                                    | -                                       | -                                     |
|                                          |                              | HN63                  | A31B                 | Marico from N4 road to Marico-Bosveld Dam, outlet of IUA6b                       | B                                    | -                                       | -                                     |
|                                          |                              | HN64                  | A31D                 | Malmaniesloop to confluence with Klein Marico                                    | C                                    | -                                       | -                                     |
|                                          |                              | HN35                  | A31D                 | Klein Marico and tributaries upstream of Zeerust                                 | C                                    | -                                       | -                                     |
| 6a<br>Groot Marico/Marico<br>Bosveld Dam | II                           | HN65                  | A31E                 | Klein Marico from Zeerust to Klein Marico Dam                                    | C                                    | -                                       | -                                     |
|                                          |                              | EWR Site MAR_EWR5     | A31E                 | Klein Marico from Klein Marico Dam to Krommelmboog Dam, outlet of IUA6a          | C                                    | 29.42                                   | 4.67                                  |
|                                          |                              | EWR site MAR_EWR1     | A31A                 | Kaaloo-se-Loop () to confluence with Groot Marico                                | B                                    | 10.539                                  | 76.32                                 |
| 7<br>Kaaloo-se-Loop                      | I                            | HN38                  | A31A                 | Vanstraatenlei and tributaries at confluence with Kaaloo-se-Loop, outlet of IUA7 | B                                    | -                                       | -                                     |
| 8<br>Malmaniesloop                       | II*                          | -                     | A31C                 | Groundwater                                                                      | -                                    | -                                       | -                                     |
| 9<br>Molopo                              | II*                          | HN66                  | D41A                 | Molopo at outlet of wetland                                                      | -                                    | -                                       | -                                     |
|                                          |                              | HN67                  | D41A                 | Molopo at Modimola                                                               | D                                    | -                                       | -                                     |

| 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 <sup>3</sup> /a) | EWR as % of natural MAR <sup>1)</sup> |
|--------------------------------------------------|------------------------------|-----------------------|----------------------|----------------------------------------------------------------------------------|--------------------------------------|-----------------------------------------|---------------------------------------|
| 10<br>Dinokeng<br>Eye/Notwane Dam                | III*                         | HN39                  | D41A                 | Molopo at outlet of IUA9                                                         | D                                    | -                                       | -                                     |
|                                                  |                              | HN68                  | A10A                 | Notwane from Dinokana to Notwane Dam                                             | -                                    | -                                       | -                                     |
|                                                  |                              | -                     | A10A, B, C           | Notwane from Dinokana to outlet of IUA10                                         | -                                    | -                                       | -                                     |
| 11a<br>Groot Marico/Molatedi Dam                 | III                          | EWR Site MAR_EWR3     | A31F, G, A32A        | Marico from Marico Bosveld and Krommelboog Dam to Molatedi Dam; outlet of IUA11a | C/D                                  | 65.083                                  | 23.62                                 |
| 11b<br>Groot Marico/seasonal tributaries         | III                          | EWR Site MAR_EWR4     | A32D, E              | Marico from Molatedi Dam to confluence with Crocodile; outlet of IUA11b          | C                                    | 153.251                                 | 7.96                                  |
| 12<br>Bierspruit                                 | III                          | HN42                  | A24D, E, F           | Bierspruit to confluence with Crocodile River, outlet of IUA12                   | D                                    | -                                       | -                                     |
| 13<br>Lower Crocodile                            | III                          | HN43                  | A24G, A24H           | Sand to confluence with Crocodile                                                | C                                    | -                                       | -                                     |
|                                                  |                              | EWR Site CROC_EWR7    | A21L, A24A-C, A24H   | Crocodile from Roodekopies Dam () to proposed Mokolo transfer                    | D                                    | 463.4                                   | 9.14                                  |
|                                                  |                              | EWR Site CROC_EWR8    | A24J                 | Crocodile to confluence with Limpopo, outlet of IUA13                            | C                                    | 559.9                                   | 14.22                                 |
|                                                  |                              | EWR Site CROC_EWR12   | A23G                 | Platspruit (source,) to confluence with Pienaars                                 | B/C                                  | 3.144                                   | 35.85                                 |
|                                                  |                              | -                     | A23C, A23F           | Wetland at Pienaars & Apies confluence and inflow to Klipvoor Dam                | C                                    | -                                       | -                                     |
| 14<br>Tolwane/<br>Kulwane/<br>Moretele/ Klipvoor | III                          | HN47                  | A23H                 | Karee/Rietspruit to confluence with Pienaars                                     | C                                    | -                                       | -                                     |
|                                                  |                              | EWR Site CROC_EWR5    | A23J, A23L           | Moretele (Pienaars) to confluence with Crocodile, outlet of IUA14                | D                                    | 113.0                                   | 11.82                                 |
|                                                  |                              | HN49                  | A23K                 | Tolwane to confluence with Moretele                                              | D                                    | -                                       | -                                     |
|                                                  |                              | HN50                  | A42A                 | Sand (source) to confluence with Grootspuit                                      | C                                    | -                                       | -                                     |
|                                                  |                              | HN51                  | A42B                 | Grootspuit (source) to confluence with Sand                                      | C                                    | -                                       | -                                     |
| 15<br>Upper Mokolo                               | II                           | EWR Site MOK_EWR1a    | A42C                 | Mokolo to confluence with Dwaars                                                 | C/D                                  | 84.84                                   | 22.6                                  |
|                                                  |                              | EWR Site MOK_EWR1b    | A42D, A42E           | Mokolo to confluence with Sterkstroom                                            | B/C                                  | 135.03                                  | 17.6                                  |
|                                                  |                              | HN54                  | A42D                 | Sterkstroom (source) to confluence with Mokolo, including Dwaars                 | B/C                                  | -                                       | -                                     |
|                                                  |                              | EWR Site MOK_EWR2     | A42F                 | Mokolo from Sterkstroom to Mokolo Dam, outlet of IUA15                           | B/C                                  | 196.2                                   | 19.8                                  |
|                                                  |                              | HN56                  | A42G                 | Rietspruit (source) to Mokolo confluence                                         | B/C                                  | -                                       | -                                     |
| 16<br>Lower Mokolo                               | II                           |                       |                      |                                                                                  |                                      |                                         |                                       |

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|-----------------------------------|------------------------------|-----------------------|----------------------|--------------------------------------------------------|--------------------------------------|-----------------------------------------|---------------------------------------|
| 17a<br>Mothlabatsi/ Mamba         | I                            | EWR Site MOK_EWR4     | A42G                 | Mokolo below dam (MOK_EWR3) to Rietspruit confluence   | B/C                                  | 253.3                                   | 16.5                                  |
|                                   |                              | HN58                  | A42H, A42J           | Mokolo to confluence with Limpopo, outlet of IUA16.    | C                                    | -                                       | -                                     |
|                                   |                              | HN59                  | A41A                 | Mothlabatsi to confluence with Mamba                   | B                                    | -                                       | -                                     |
|                                   |                              | HN60                  | A41B                 | Mamba to confluence with Mothlabatsi, outlet of IUA17a | B/C                                  | -                                       | -                                     |
| 17b<br>Matlabas/ Limpopo          | II                           | EWR Site MAT_EWR2     | A41C                 | Matlabas from Mamba confluence to                      | B/C                                  | 32.80                                   | 33.23                                 |
|                                   |                              | HN62                  | A41C - D             | Matlabas to confluence with Limpopo, outlet of IUA17b  | B                                    | -                                       | -                                     |

MAR: Mean Annual Run-off

EWR: Ecological Water Requirements

<sup>1)</sup> Based on EWR for maintenance and drought flows only

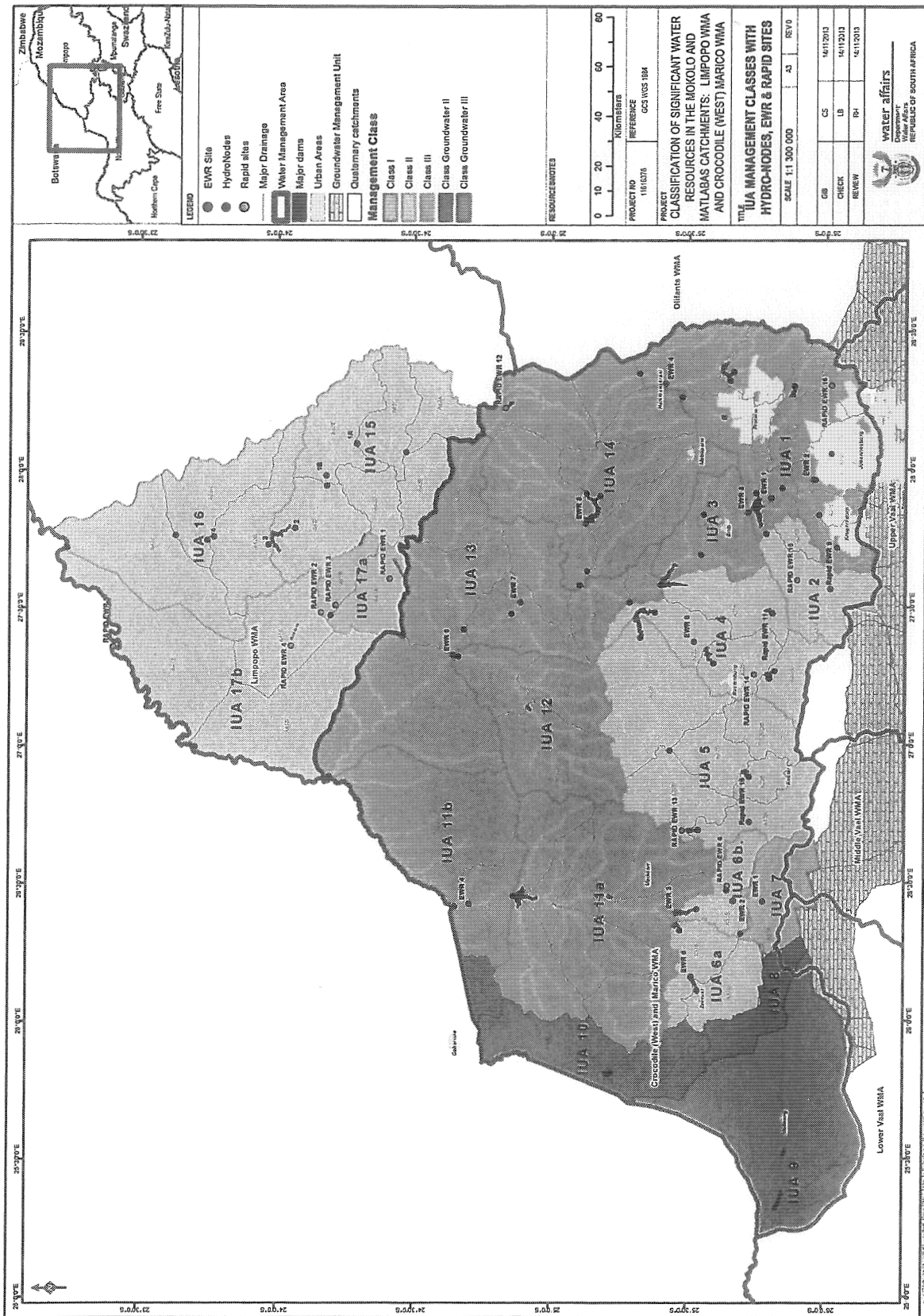


Figure 1: Integrated Units of Analysis in the Crocodile (West), Marico, Matlabas and Mokolo catchments