

TABLE OF CONTENTS

PREFACE: Background to the <i>Wet-Management Series</i>	3
Summary of <i>WET-Prioritise</i>	10
Acknowledgements, Citation, Feedback	11
1. BACKGROUND TO WET-PRIORITISE	15
1.1. Envisaged users of this manual.....	15
1.2. The Working for Wetlands programme.....	17
1.3. What is wetland rehabilitation?.....	17
1.4. What is prioritisation?.....	17
1.5. The need for planning.....	18
1.6. Principles to consider for prioritisation.....	18
2. GUIDELINES FOR PRIORITISING WETLANDS	20
2.1. Step 1: Aim and objectives setting.....	21
2.1.1. Rehabilitation projects.....	21
2.1.2. Conservation planning.....	22
2.1.3. Wetland reserve (environmental flow determination) studies.....	22
2.2. Step 2: Identify the appropriate spatial scale.....	23
2.3. Step 3: Collate available information.....	23
2.4. Step 4: Develop Prioritisation Criteria.....	23
2.5. Step 5: Screen the pool of all possible sites to develop a candidate list.....	26
2.6. Step 6: Prioritise candidate sites.....	26
2.6.1. Prioritising tertiary catchments at national to provincial scales.....	28
Defining national criteria for prioritising catchments for wetlands.....	28
Selection of prioritisation criteria indicators.....	28
A GIS-based model for prioritising tertiary catchments.....	29
2.6.2. Prioritising quaternary catchments at the provincial level.....	30
2.6.3. Prioritising individual wetlands within quaternary (or smaller) catchments at the local level.....	31
2.7. Step 7: Assess the potential of the prioritised catchments/wetlands to meet the aims and objectives of the project.....	33
3. REFERENCES	34
APPENDIX I: Installation and use of the GIS-based tertiary catchment prioritisation model (CD appended to back cover).....	35
APPENDIX II: Prioritisation criteria indicators used to prioritise tertiary catchments....	38
APPENDIX III: Case Studies.....	46
1. CASE STUDY 1: Prioritisation and planning of wetland rehabilitation in the Free State province	46
1.1. Background to the case study.....	46
1.2. Round 1: Prioritisation of quaternary catchments within the province.....	46
1.2.1. Step 1: Aim and objectives.....	46
1.2.2. Step 2: Identification of the spatial extent of the study area.....	46
1.2.3. Step 3: Collation of available information.....	46
1.2.4. Step 4: Development of the Prioritisation Criteria.....	46
1.2.5. Step 5: Screening for candidate catchments.....	47
1.2.6. Step 6: Prioritisation of catchments.....	47
1.2.7. Step 7: Assessment of the potential of the prioritised catchments to meet the objectives.....	47
1.3. Round 2: Prioritisation of wetlands within the prioritised catchments	47
1.3.1. Step 1: Aim and objectives.....	47
1.3.2. Step 2: Identification of the spatial extent of the study area.....	48
1.3.3. Step 3: Collation of available information.....	48
1.3.4. Step 4: Development of the Prioritisation Criteria.....	48
1.3.5. Step 5: Raid screening for candidate wetland clusters.....	49
1.3.6. Step 6: Prioritisation of individual wetlands within the selected wetland cluster.....	50
1.3.7. Step 7: Assessment of the potential of the prioritised wetlands to meet the objectives.....	53
1.4. Lessons learnt from this case study.....	54
1.5 Acknowledgement	54
1.6 References	54

2. CASE STUDY 2: Conservation prioritisation in the Upper Olifants River Catchment, Mpumalanga	55
2.1. Background to the case study.....	55
2.2. Round 1: Prioritisation within the immediate quaternary catchment.....	55
2.2.1. Step 1: Aim and objectives.....	55
2.2.2. Step 2: Identification of the spatial extent of the study area.....	55
2.2.3. Step 3: Collation of available information.....	55
2.2.4. Step 4: Development of the Prioritisation Criteria.....	56
2.2.5. Step 5: Screening for candidate sites.....	56
2.2.6. Step 6: Prioritisation of wetlands.....	56
2.2.7. Step 7: Assessment of the potential of the prioritised sites to meet the objectives.....	56
2.3. Round 2: Prioritisation within the larger Upper Olifants Catchment.....	56
2.3.1. Step 1: Aim and objectives.....	56
2.3.2. Step 2: Identification of the spatial extent of the study area.....	57
2.3.3. Step 3: Collation of available information.....	57
2.3.4. Step 4: Development of the Prioritisation Criteria.....	57
2.3.5. Step 5: Screening for candidate sites.....	57
2.3.6. Step 6: Prioritisation of wetlands.....	57
2.3.7. Step 7: Assessment of the potential of the prioritised sites to meet the objectives.....	58
2.4 Summary	58
3. CASE STUDY 3: River and wetland rehabilitation prioritisation in Gauteng	59
3.1. Background to the case study.....	59
3.1.1. Step 1: Aim and objectives.....	59
3.1.2. Step 2: Identification of the spatial extent of the study area.....	60
3.1.3. Step 3: Collation of available information.....	60
3.1.4. Step 4: Screening for candidate sites.....	61
3.1.5. Step 5: Development of the Prioritisation Criteria.....	63
3.1.6. Step 6: Prioritisation of sites.....	64
3.1.7. Step 7: Assessment of the potential of the prioritised sites to meet the objectives.....	64
3.2. Summary and Lessons learned.....	64
3.3 References	64