

# TABLE OF CONTENTS

EXECUTIVE SUMMARY .....	vii
ACKNOWLEDGEMENTS .....	viii
<b>1</b> INTRODUCTION .....	1
1.1 Wetlands and why mapping them is important .....	1
1.2 National Wetland Map .....	2
1.3 Why do we need this manual? .....	2
1.4 What to expect from this manual .....	4
1.5 Who should use this manual? .....	5
1.6 Structure of the manual .....	6
<b>PART A. BEFORE YOU START – DESIGNING A WETLAND MAPPING PROJECT</b> .....	7
A1. Overview of wetland mapping data .....	7
A2. Catchment approach, at the scale of quinary catchments .....	7
A3. Field or desktop? An approach combining both is strongly recommended. ....	10
A4. Choosing the appropriate degree of data detail .....	11
A5. What data attributes to record .....	13
A6. Generic Terms of Reference .....	16
<b>PART B. BEFORE YOU LEAVE FOR THE FIELD – DESKTOP PREPARATION</b> .....	18
B1. Recording information about the project .....	18
B2. GIS layers in support of desktop mapping .....	18
B3. Approaches to desktop wetland mapping .....	24
B4. Desktop mapping of wetland location and extent .....	25
B5. Desktop wetland classification .....	28
B5.1 Desktop classification of regional setting .....	29
B5.2 Desktop classification of landscape unit .....	32
B5.3 Desktop classification of hydrogeomorphic (HGM) unit .....	33
B6. Desktop assessment of wetland condition .....	37
<b>PART C. IN THE FIELD</b> .....	52
C1. Approaches to in-field mapping .....	52
C2. Recording project information .....	54
C3. Tools to support in-field mapping .....	54
C4. In-field determination of wetland location and extent .....	57
C5. In-field wetland classification (HGM unit) .....	57
C6. Gathering in-field data on wetland characteristics .....	58
C7. In-field assessment of wetland condition .....	62
<b>PART D. DESKTOP FOLLOW-UP / BACK IN THE OFFICE</b> .....	64
D1. Data integration and cleaning .....	64
D2. Final review .....	66
D3. Assigning confidence levels .....	66
<b>2</b> LIST OF REFERENCES .....	68