AQF LEVEL	AQF LEVEL 8 CRITERIA – GRADUATE DIPLOMA	PROGRAM LEARNING OUTCOMES
PURPOSE	The Graduate Diploma qualifies individuals who apply a body of knowledge in a range of contexts to undertake professional/highly skilled work and as a pathway for further learning	
KNOWLEDGE	Graduates of a Graduate Diploma will have advanced knowledge within a systematic and coherent body of knowledge that may include the acquisition and application of knowledge and skills in a new or existing discipline or professional area	Students who complete the Graduate Diploma of Catchment Science (GDCS) will have: • A critical and applied understanding of catchment hydrological, geo-morphological, chemical, micro-biological, ecological processes, their determinants and inter-relationships across a range of spatial and temporal scales. • An understanding of how to quantitatively and critically analyse and evaluate the consequences of changes in these processes for catchment function using a range of numerical and spatio-temporal data collection, management, analysis, and visualisation techniques and software tools.
SKILLS	Graduates of a Graduate Diploma will have: • cognitive skills to review, analyse, consolidate and synthesise knowledge and identify and provide solutions to complex problems • cognitive skills to think critically and to generate and evaluate complex ideas • specialised technical and creative skills in a field of highly skilled and/or professional practice • communication skills to demonstrate an understanding of theoretical concepts • communication skills to transfer	Students who complete the Graduate Diploma of Catchment Science (GDCS) will be able to: ▪ Scientifically and quantitatively diagnose the causes of catchment process and management problems using available data and evidence. ▪ Quantitatively and critically assess options for addressing problems in catchment function related to hydrological, geomorphological, chemical, biological and ecological processes and their inter-relationships. Work effectively individually and in teams to design and deliver catchment analysis and restoration projects.

	complex knowledge and ideas to a variety of audiences	
APPLICATION OF KNOWLEDGE & SKILLS	Graduates of a Graduate Diploma will demonstrate the application of knowledge and skills: • to make high level, independent judgements in a range of technical or management functions in varied specialised contexts • to initiate, plan, implement and evaluate broad functions within varied specialised technical and/or creative contexts • with responsibility and accountability for personal outputs and all aspects of the work or function of others within broad parameters	Graduates of the Graduate Diploma of Catchment Science (GDMCS) will demonstrate: • An ability to think critically, creatively and ethically to address complex catchment management, protection and restoration challenges. Independent, autonomous and collaborative, team working skills.