RIVER STYLES® REPORT REQUIREMENTS AND PROCESS OF REVIEW

As outlined in the River Styles® accreditation framework, a Provisional River Styler should have their first River Styles® Report reviewed by Kirstie Fryirs if they wish to become Accredited. This allows the person to undertake a River Styles® assessment unsupervised.

A fee will be charged for the review dependent on the length of the report and the time it takes to review. Requests for quotes can be made through AccessMQ. Reports should be forwarded to Ketayan Kiash (Access MQ, Macquarie University, North Ryde, NSW 2109, Ph 9805 3131, Email Ketayan.Kiash@mq.edu.au), who will pass them on to Kirstie Fryirs for review

USE OF RIVER STYLES® INFORMATION

The River Styles® framework and terminology present a geomorphic river characterisation system that uses a combination of geomorphic behaviour and physical structure. The *initial* report that identifies, characterises and maps the distribution of River Styles® within a catchment should have River Styles® in the title (see outline below). Those companies, groups or government agencies that wish to commission a River Styles® report or use the River Styles® framework or River Styles® proforma templates must use a Provisional or Accredited River Styler.

- The information contained within the River Styles® Short Course booklets has been distributed to those with Provisional or Accredited River Styler status on the River Styles® Short Course and as such can be used by them in undertaking a River Styles® assessment.
- The booklets contain River Styles® proformas, River Styles® naming trees and procedures. This information provides the most recent procedures for undertaking a River Styles® assessment and as such should be used by those undertaking an official River Styles® report. It is the responsibility of the user to keep up to date with developments in the River Styles® framework when commissioned to complete a report.
- The River Styles framework is outlined out in the book "Geomorphology and River Management: Applications of the River Styles Framework".
- Examples of accredited River Styles reports can be found at www.riverstyles.com

COMPONENTS OF A RIVER STYLES® REPORT

This document outlines the requirements for completion of a report that applies Stage One of the River Styles® framework (i.e. catchment-wide baseline survey of river character and behaviour). For a River Styles® report to be accepted and accredited through AccessMQ, it must have the following components:

Section One: Executive summary

Section Two: Introduction

- a brief outline of the aims of the study and the purpose for which the report will be used
- outline of personnel involved in fieldwork, writing and compiling the document

Section Three: Methods

- A brief description of the scale at which the River Styles® analysis was undertaken. It must be noted whether the report was completed as a broad brush exercise to gain a sense of river character and behaviour across a catchment, or whether certain river courses were selected for more detailed analysis or other specific purposes, for example, rehabilitation planning. The following topics should be addressed:
  - Indicate the resources and scale at which the River Styles® assessment was completed (e.g. 1:25,000 air photographs).
  - Outline and explain which tributaries were selected for analysis
  - Indicate whether splitting or clumping of reaches was undertaken in the labelling of River Styles®

Section Four: Regional and catchment setting analyses

- Brief presentation and description of relevant catchment characteristics, for example:
  - geology, landscape units and catchment topography
  - climate and hydrological analysis for the catchment (1 in 2, 5, 10, 50 and 100 year events)
  - vegetation cover and landuse, vegetation, (e.g. historical information)

This analysis can simply be presented as a series of maps or diagrams (GIS generated if available) with a brief paragraph/caption explaining each map or figure.

Section Five: Definition and interpretation of River Styles®

- A River Styles® tree for the catchment, noting how each River Style was identified in confined, partly-confined and laterally-unconfined valley-settings.
- River Styles® proformas must be completed for each River Style in the catchment. Each proforma should use, as a minimum, the template presented in the River Styles® Short Course workbooks. Core components must include:
  - an interpretation of river character including river planform, bed material texture, geomorphic units and vegetation associations,
  - an interpretation of river behaviour at low flow, bankfull and overbank stages based on the geomorphic unit assemblage, and
  - assessment of controls on river character an behaviour.
- An annotated planform map must accompany the proforma for each River Style (this can be either hand drawn or an air photograph with geomorphic units labeled). If available, a cross section showing floodplain and channel geomorphic units and a photograph should be included.
- A colour coded catchment map showing the distribution of River Styles® and their boundaries. A brief description outlining the definition of River Styles boundaries should be included in the caption for the map.

Section Seven: Assessment of controls on the character, behaviour and downstream patterns of River Styles®

- Describe the downstream patterns of River Styles® along all river courses assessed. Identify any trends in the downstream sequence of River Styles® across the catchment and note in which subcatchments each pattern is found
- Plot River Styles® boundaries onto a longitudinal profile for a representative example of each downstream pattern of River Styles®. Explain any trends.
- Produce a table of controls on the character and behaviour of River Styles® in the catchment (use data that appear in the River Styles® proformas, i.e. slope, catchment area, landscape setting, stream power etc.). Explain any trends.

Section Eight: Conclusion/summary/implications

- Review main findings
- Specify any limitations in application of the study

Section Nine: Appendices (if applicable)

- Present additional data or maps