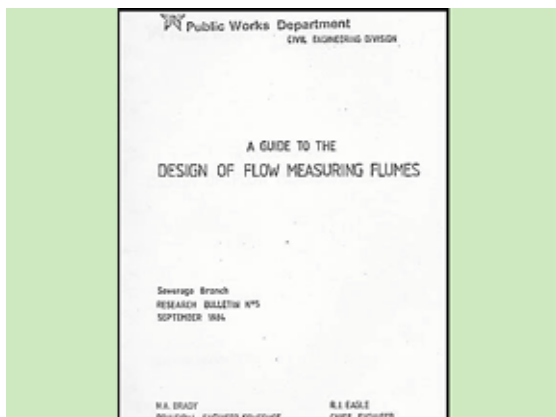


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A Guide to the Design of Flow Measuring Flumes

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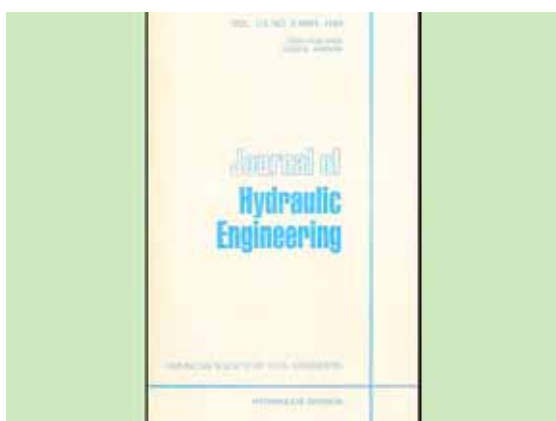
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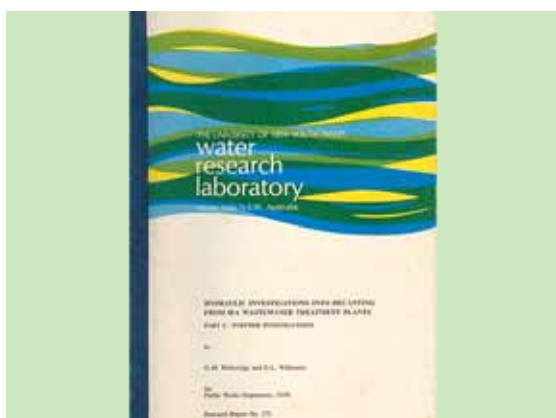
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Witheridge, G.M. and Wilkinson, D.L.

Journal of Hydraulic Engineering, Vol. 115, No. 3, March 1989, American Society of Civil Engineers, pp. 403–408.

Paper on the use of a Loch Exchange test to determine the density of a sewage floc that is very close to the density of clean water.



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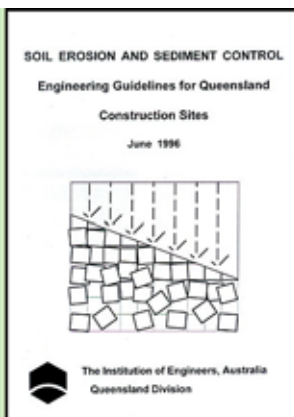
Hydraulic Investigations into Decanting from IEA Wastewater Treatment Plants, Part 2: Further Investigations

G.M. Witheridge and D.L. Wilkinson

Research Report No. 175, Water Research Laboratory, Manly Vale, NSW. April 1989.

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Soil Erosion and Sediment Control – Engineering Guidelines for Queensland Construction Sites

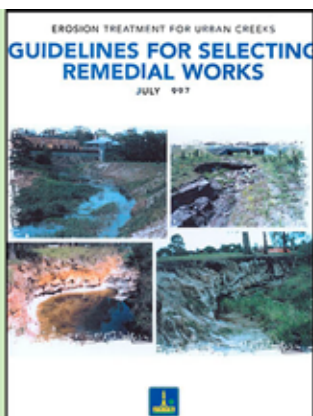
G. Witheridge and R. Walker (ed.), The Institution of Engineers Australia, Queensland Branch, June 1996 Brisbane, Queensland.

Written between 1993 and 1996.

Worked full time Aug 1994 to May 1995.

22 chapters, 540 pages

(co-author)



Brisbane City Council, 1997

Erosion Treatment for Urban Creeks – Guidelines for Selecting Remedial Works

Guidelines for Brisbane City Council, prepared by Griffith University and RUST PPK, July 1997, Brisbane, Queensland.

Joint winner of SIA Award for Excellence in Stormwater Management, 2004.

1st ed. 1997

2nd ed. 1999

3rd ed. 2003

185 pages (109 pages my work)

(co-author)



Brisbane City Council, 1998

Best Practice Guidelines for the Control of Stormwater Pollution from Building Sites

Brisbane City and Gold Coast City Councils, 1998. (10 page booklet plus 10 fact sheets)

Originally developed by C&C in 1997

Took idea to Gold Coast Council

Gold Coast Council got BCC involved

BCC published 1st ed. 1998 (10p+24sheets)

2nd ed. 2000 (BCC)

3rd ed. 2002 (Healthy Waterways)

4th ed. 2004 (Healthy Waterways)



Catchments & Creeks Pty Ltd, 1999

Erosion and Sediment Control Training CD-ROM

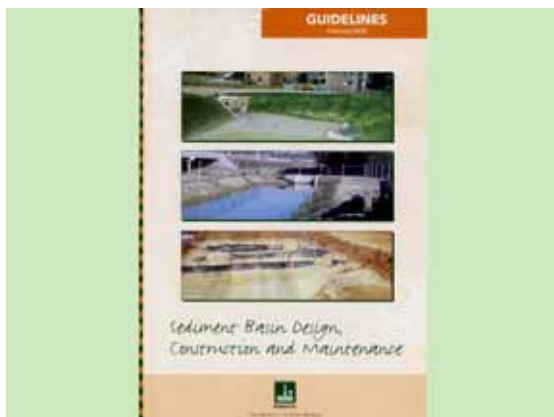
Catchments & Creeks Pty Ltd 1999, Brisbane, Queensland.

5 slide show training courses with notes

526 photos

(No longer being distributed)

Publications



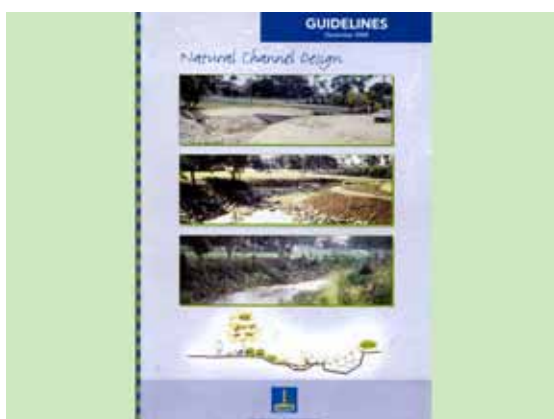
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50 pages (2-colour printing)

8 figures



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Brisbane City Council, 2000, Brisbane, Queensland.

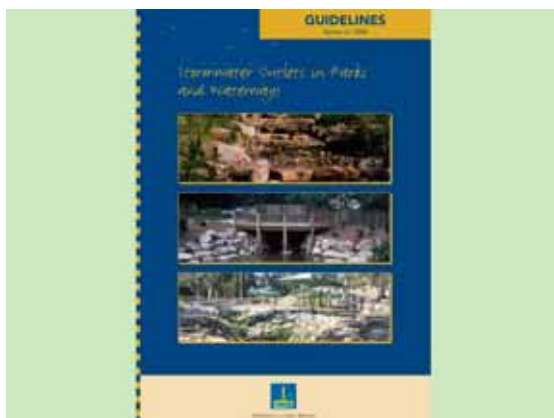
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152 pages (colour)

58 figures

42 photos

(co-author)



Brisbane City Council, 2002

Stormwater Outlets in Parks and Waterways

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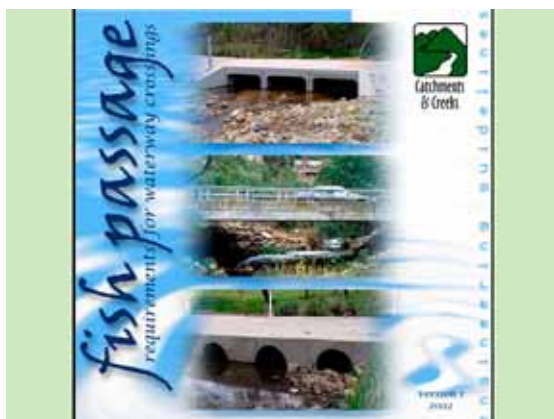
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1st ed. 2002

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40 pages (colour)

(co-author)



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Catchments & Creeks Pty Ltd. 2002 (CD-ROM).

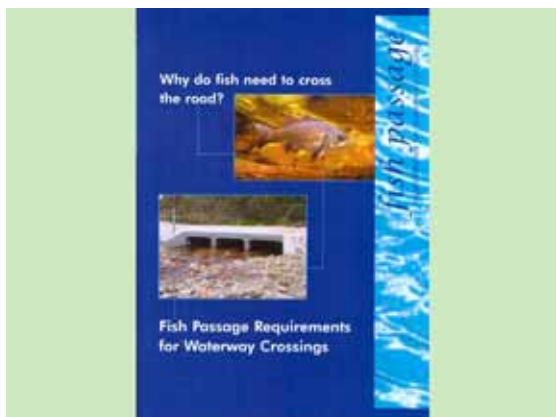
2005 Stormwater Industry Association Award - Stormwater Education (Highly Commended)

221 pages (without photos)

286 pages (edition with photos included)

2 PowerPoint-based training courses

Publications



NSW Fisheries, 2003

Why do fish need to cross the road? – Fish Passage Requirements for Waterway Crossings

Fairfull and Witheridge, 2003, NSW Fisheries, Cronulla.

15 pages (colour)

29 photos

7 figures

(co-author)

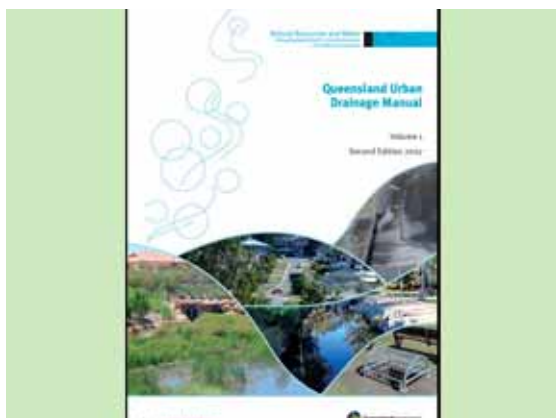


GCCC ESC Field Guide, 2006

Sediment and Erosion Control Field Guide

Built Environment, Planning Environment and Transport, Gold Coast City Council, March 2006.

95 pages (B&W)



Dept. of Natural Resources & Water, 2007

Queensland Urban Drainage Manual

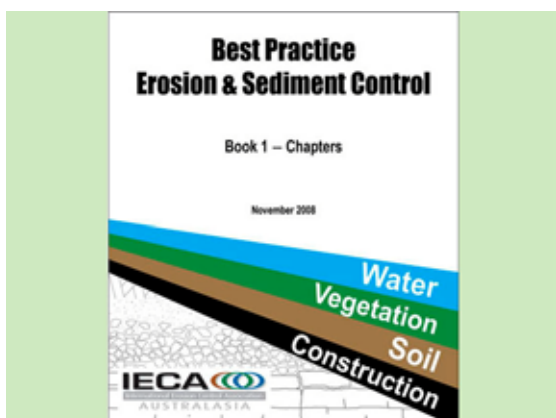
2nd edition, Department of Natural Resources & Water, Institute of Public Works Engineering Australia, Queensland Division Ltd. and Brisbane City Council, 2007, Brisbane, Australia.

Re-released 2008 (Volume 2 incorporated)

423 pages (B&W)

153 figures

(co-author)



IECA (Australasia), 2008

Best Practice Erosion and Sediment Control

International Erosion Control Association (Australasia), November 2008.

Written between 1997 and 2010.

1814 pages

964 figures

990 photos

647 tables

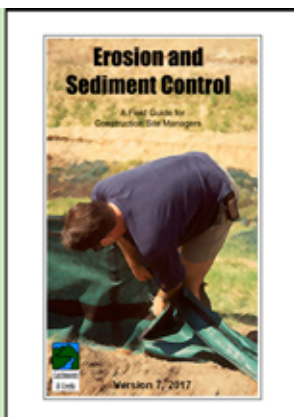
3 hardcopy books (Books 1 to 3, B&W)

137 design fact sheets (Book 4, colour)

77 page field guide (Book 5, colour)

136 standard drawings (Book 6, B&W)

Publications



Catchments & Creeks Pty Ltd, 2010

Erosion and Sediment Control – A Field Guide for Construction Site Managers

Witheridge, G., Catchments & Creeks Pty Ltd, 2010, Brisbane Queensland.

77 pages (colour) PDF-file

(This document is also distributed as Book 5 of the IECA's *Best Practice Erosion and Sediment Control* documents)

Version 5, 2012

Version 6, 2017



Catchments & Creeks Pty Ltd, 2011

A Pictorial Overview of the Queensland Urban Drainage Manual

Witheridge, G., Catchments & Creeks Pty Ltd, 2011, Brisbane Queensland.

91 pages (colour) PDF-file

Updated 2013



Catchments & Creeks Pty Ltd, 2011

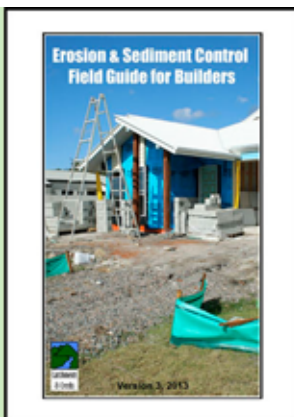
Background to Rock Sizing Equations

Witheridge, G., Catchments & Creeks Pty Ltd, 2011, Brisbane Queensland.

52 pages (colour) PDF-file

Version 1, 2011

- Provides details on:
 - the assessment of existing (pre 2011) rock sizing equations
 - the mathematical development of new equations for the sizing of rock and the field data used to check the equations.



Catchments & Creeks Pty Ltd, 2012

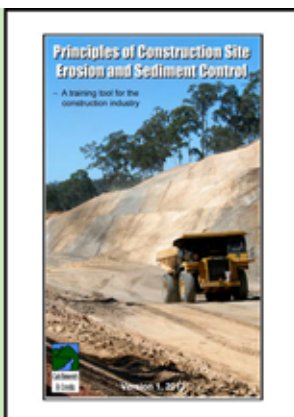
Erosion and Sediment Control Field Guide for Builders

Witheridge, G., Catchments & Creeks Pty Ltd, 2012, Brisbane Queensland.

47 pages (colour) PDF-file

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Publications



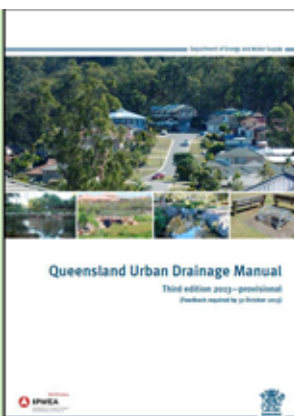
Catchments & Creeks Pty Ltd, 2012

Principles of Construction Site Erosion and Sediment Control – A training tool for the construction industry.

Witheridge, G., Catchments & Creeks Pty Ltd, 2012, Brisbane Queensland.

78 pages (colour) PDF-file

This field guide has been prepared specifically to provide construction site managers with general guidelines on the management of construction sites with respect to soil erosion and sediment runoff.



Dept. Energy and Water Supply, 2013

Queensland Urban Drainage Manual.

Provisional 3rd edition, Department of Energy and Water Supply, and Institute of Public Works Engineering Australia, Queensland Division Ltd., 2013, Brisbane, Australia.

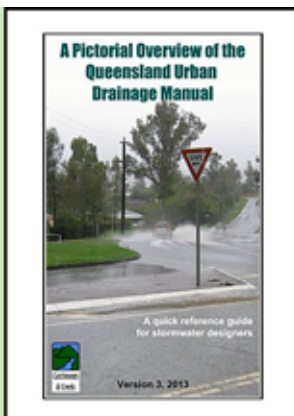
Document update in response to the recommendations of the final report of the Queensland Floods Commission of Inquiry.

Free-download PDF document

459 pages

310 figures (incl. 55 A4 design charts)

(co-author)



Catchments & Creeks Pty Ltd, 2013

A Pictorial Overview of the Queensland Urban Drainage Manual – V3

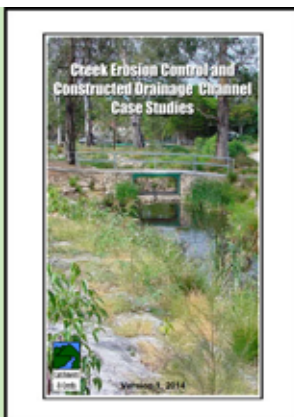
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Updated 2015

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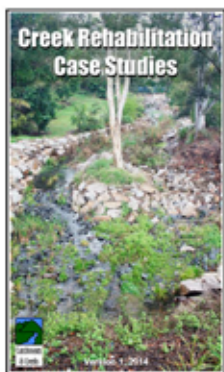
Catchments & Creeks Pty Ltd, 2014

Creek Erosion Control and Constructed Drainage Channel Case Studies

Catchments & Creeks Pty Ltd, 2014, Brisbane Queensland.

74 pages (colour) PDF-file

Publications



Catchments & Creeks Pty Ltd, 2014

Creek Rehabilitation Case Studies

Catchments & Creeks Pty Ltd, 2014, Brisbane Queensland.

71 pages (colour) PDF-file



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A Field Guide to Queensland's Self-Assessable Codes for Fish Passage at Waterways Crossings

Catchments & Creeks Pty Ltd, 2014, Brisbane Queensland.

46 pages (colour) PDF-file



Catchments & Creeks Pty Ltd, 2014

A Public Guide to Living with Floods

Catchments & Creeks Pty Ltd, 2014, Brisbane Queensland.

76 pages (colour) PDF-file



Catchments & Creeks Pty Ltd, 2014

A Public Guide to Storm and Flood Hydrology

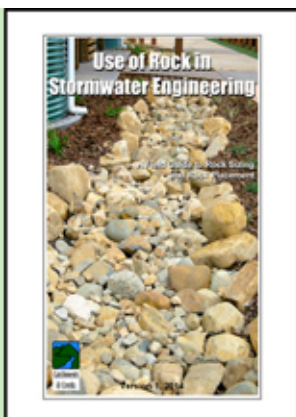
Catchments & Creeks Pty Ltd, 2014, Brisbane Queensland.

30 pages (colour) PDF-file

Version 2 issued August 2017

A pictorial-based, non-technical public guide to understanding storm and flood hydrology.

Publications



Catchments & Creeks Pty Ltd, 2014

Use of Rock in Stormwater Engineering

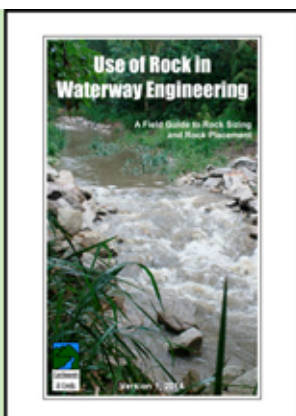
Catchments & Creeks Pty Ltd, 2014, Brisbane Queensland.

68 pages (colour) PDF-file

Version 3, 2017

Version 4, 2020

A pictorial guide to the sizing and placement of rock within stormwater drainage systems.



Catchments & Creeks Pty Ltd, 2014

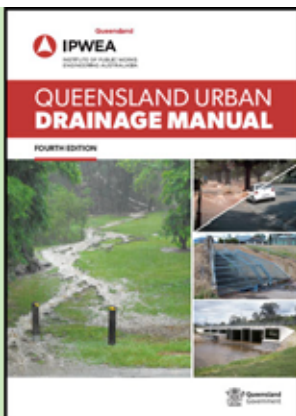
Use of Rock in Waterway Engineering

Catchments & Creeks Pty Ltd, 2014, Brisbane Queensland.

75 pages (colour) PDF-file

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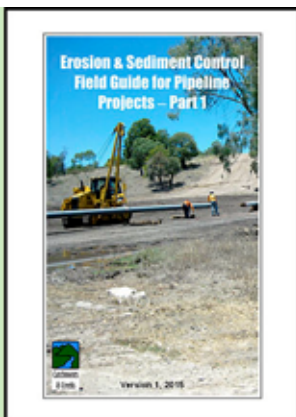
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4th edition, Institute of Public Works Engineering Australia, Queensland Division Ltd., and Department of Energy and Water Supply, 2016, Brisbane, Australia.

391 page PDF document

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Catchments & Creeks Pty Ltd, 2017

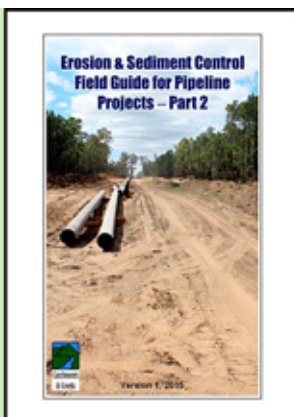
Erosion & Sediment Control Field Guide for Pipeline Projects – Part 1

Catchments & Creeks Pty Ltd, 2017, Brisbane Queensland.

93 pages (colour) PDF-file

This field guide has been prepared specifically to provide guidelines on the management of soil erosion and sediment control on pipeline construction projects.

Publications



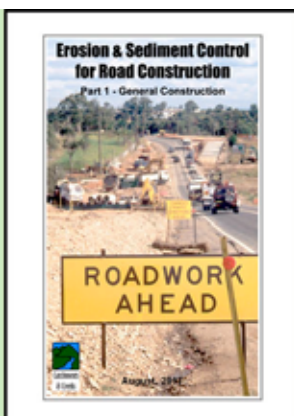
Catchments & Creeks Pty Ltd, 2017

Erosion & Sediment Control Field Guide for Pipeline Projects – Part 2

Catchments & Creeks Pty Ltd, 2017, Brisbane Queensland.

69 pages (colour) PDF-file

This field guide has been prepared specifically to provide guidelines on the management of soil erosion and sediment control on waterway crossing associated with pipeline construction projects.



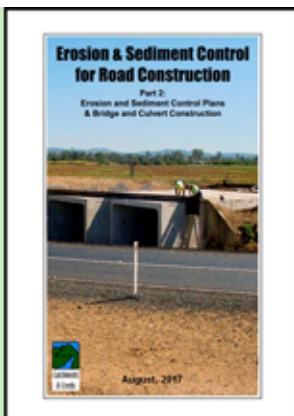
Catchments & Creeks Pty Ltd, 2017

Erosion & Sediment Control Field Guide for Road Construction – Part 1

Catchments & Creeks Pty Ltd, 2017, Brisbane Queensland.

122 pages (colour) PDF-file

This field guide has been prepared specifically to provide guidelines on the management of soil erosion and sediment control on road construction projects.



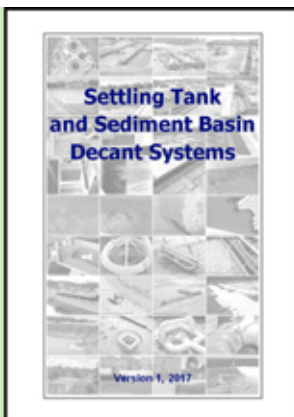
Catchments & Creeks Pty Ltd, 2017

Erosion & Sediment Control Field Guide for Road Construction – Part 2

Catchments & Creeks Pty Ltd, 2017, Brisbane Queensland.

78 pages (colour) PDF-file

This field guide has been prepared specifically to provide guidelines on the preparation of ESC Plans and the management of bridge and culvert construction projects.



Catchments & Creeks Pty Ltd, 2017

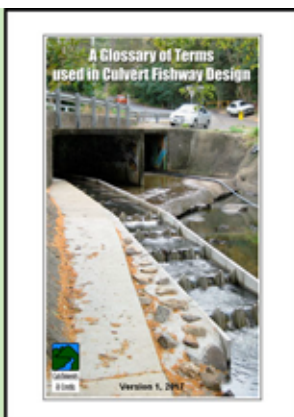
Settling Tank and Sediment Basin Decant Systems

Catchments & Creeks Pty Ltd, 2015, Brisbane Queensland.

22 pages (colour) PDF-file

The field guide describes the results of research into the selective withdrawal of supernatant from settled wastewater tanks and how this research was used to further the design and operation of construction site sediment basins.

Publications



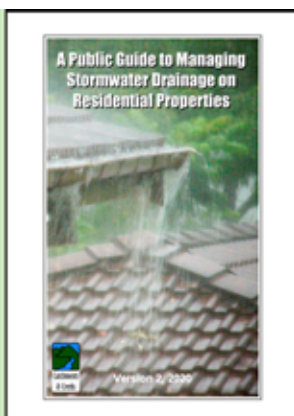
Catchments & Creeks Pty Ltd, 2017

A Glossary of Terms used in Culvert Fishway Design

Catchments & Creeks Pty Ltd, 2017, Brisbane Queensland.

50 pages (colour) PDF-file

This field guide provides photos and definitions of terms commonly used by engineers and fish biologists in the fish passage industry with specific reference to culvert design.



Catchments & Creeks Pty Ltd, 2017

A Public Guide to Managing Stormwater Drainage on Residential Properties

Catchments & Creeks Pty Ltd, 2017, Brisbane Queensland. An 83 pages (colour) PDF-file.

Version 1, 2017

Version 2, 2020

This field guide provides a general, non-technical, discussion on the design and management of stormwater drainage on residential properties, including the resolution of common drainage problems, and the legal aspects of inter-allotment drainage.



Catchments & Creeks Pty Ltd, 2020

Erosion and Sediment Control Field Guide for Instream Works

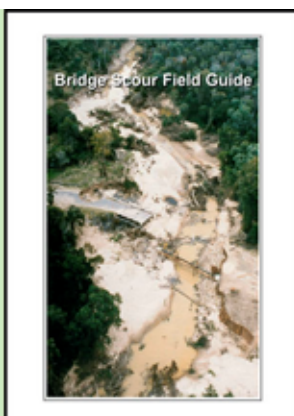
Catchments & Creeks Pty Ltd, 2020, Bargara Queensland.

136 pages (colour) PDF-file

Version 1, July 2020

Version 2, December 2020

This field guide has been prepared specifically to provide guidelines on the management of soil erosion and sediment control while conduction instream construction works.



Catchments & Creeks Pty Ltd, 2020

Bridge Scour Field Guide

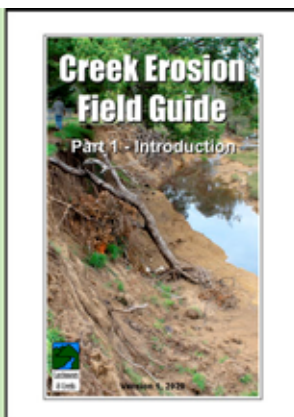
Catchments & Creeks Pty Ltd, 2020, Bargara Queensland.

114 pages (colour) PDF-file

Version 1, 2020

This field guide provides an overview of current design guidelines for scour control under bridges, with a focus on the use of rock.

Publications



Catchments & Creeks Pty Ltd, 2021

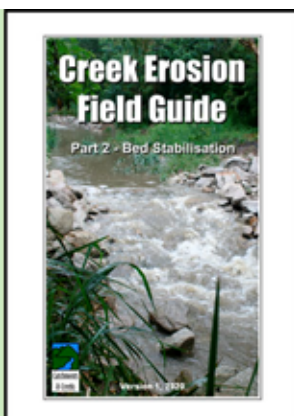
Creek Erosion Field Guide Part 1 – Introduction

Catchments & Creeks Pty Ltd, 2021, Bargara Queensland.

143 pages (colour) PDF-file

Version 1, April 2021

Part 1 discusses the types of creeks, the types of creek erosion, the mechanics of creek erosion, the hydraulics of creeks, the causes of creek erosion, and the response of creeks to floods.



Catchments & Creeks Pty Ltd, 2021

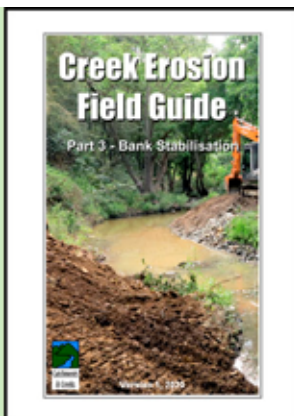
Creek Erosion Field Guide Part 2 – Bed Stabilisation

Catchments & Creeks Pty Ltd, 2021, Bargara Queensland. A 123 pages (colour) PDF-file.

Version 1, April 2021

Version 2, February 2022

Part 2 discusses the planning of creek erosion treatments, fish-friendly bed treatment, common properties of rock, the hydraulics of grade control structures, fish-friendly and non fish-friendly bed stabilisation techniques.



Catchments & Creeks Pty Ltd, 2021

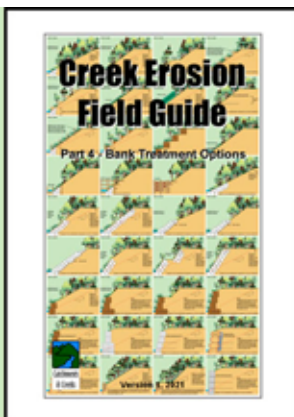
Creek Erosion Field Guide Part 3 – Bank Stabilisation

Catchments & Creeks Pty Ltd, 2021, Bargara Queensland.

148 pages (colour) PDF-file

Version 1, April 2021

Part 3 discusses the design of soft and hard engineering bank stabilisation techniques, the management of dispersive soils, lateral bank erosion, flow diversion techniques, and creek revegetation.



Catchments & Creeks Pty Ltd, 2021

Creek Erosion Field Guide Part 4 – Bank Treatment Options

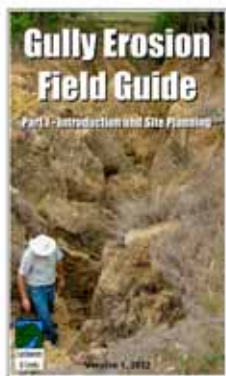
Catchments & Creeks Pty Ltd, 2021, Bargara Queensland.

69 pages (colour) PDF-file

Version 1, April 2021

Part 4 provides a short review of parts 1 to 3, then presents a single page summary of each of the bank stabilisation options presented in Part 3. The field guide ends with a discussion of the staging of instream works, and a glossary of terms.

Publications



Catchments & Creeks Pty Ltd, 2022

Gully Erosion Field Guide

Part 1, Introduction and Site Planning

Catchments & Creeks Pty Ltd, 2022, Bargara Queensland.

156 pages (colour) PDF-file

Version 1, February 2022

Part 1: discusses the erosion process and treatment options.



Catchments & Creeks Pty Ltd, 2022

Gully Erosion Field Guide

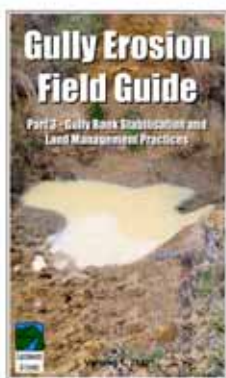
Part 2, Gully Head and Gully Floor Stabilisation Techniques

Catchments & Creeks Pty Ltd, 2022, Bargara Queensland.

127 pages (colour) PDF-file

Version 1, February 2022

Part 2: presents design information on gully head and gully bed stabilisation.



Catchments & Creeks Pty Ltd, 2022

Gully Erosion Field Guide

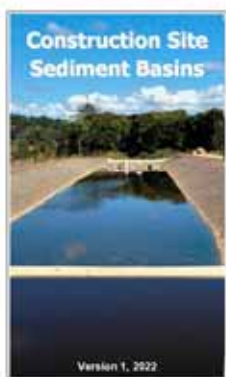
Part 3, Gully Bank Stabilisation and Land Management Practices

Catchments & Creeks Pty Ltd, 2022, Bargara Queensland.

86 pages (colour) PDF-file

Version 1, February 2022

Part 3: presents design information on gully bank stabilisation.



Catchments & Creeks Pty Ltd, 2022

Construction Site Sediment Basins

Catchments & Creeks Pty Ltd, 2022, Bargara Queensland.

107 pages (colour) PDF-file

Version 1, July 2022

Design and construction of construction site sediment basins.

Publications (Specials)



Grant Witheridge, 2016

Le Mans 24-hour 1950 to 2016

Grant Witheridge, 2016, Bargara Queensland.

55 pages (colour) PDF-file

Version 1, August 2016

Outright and Class winners of the 24 Hours of Le Mans 1950 to 2016.



Grant Witheridge, 2017

Grand Prix Winners 1966 to 2016

Grant Witheridge, 2017, Bargara Queensland.

152 pages (colour) PDF-file

Version 1, 2017

Pictorial guide to the Formula 1 motor racing Grand Prix winners 1966 to 2016.



Grant Witheridge, 2020

An Introduction to Race Car Aerodynamics

Grant Witheridge, 2020, Bargara Queensland.

159 pages (colour) PDF-file

Version 1, 2020

An introduction to the aerodynamics of race cars and the fluid mechanics of the air flow associated with race car aerodynamics.



Grant Witheridge, 2022

A Guide to Reproducing 'Real Car Paint' in GT7 using HSV Settings

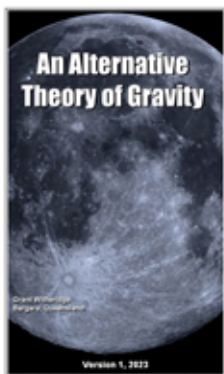
Grant Witheridge, 2022, Bargara Queensland.

159 pages (colour) PDF-file

Version 1, September 2022

The presentation of HSV settings for Real Car Paints to assist Gran Turismo (GT7) Gamers to better utilise the GT Auto / Livery Editor features of GT7.

Publications



Grant Witheridge, 2023

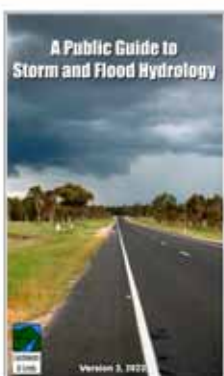
An Alternative Theory of Gravity

Grant Witheridge, 2023, Bargara Queensland.

80 pages (colour) PDF-file

Version 1, July 2023

Discussion on how fluid mechanics can explain aspects of astrophysics, and help explain the cause of gravity.



Catchments & Creeks, 2023

A Public Guide to Storm and Flood Hydrology

Catchments & Creeks Pty Ltd, 2023, Brisbane Queensland.

Version 3 issued August 2023, major update

A pictorial-based, non-technical public guide to understanding storm and flood hydrology.



Catchments & Creeks, 2023

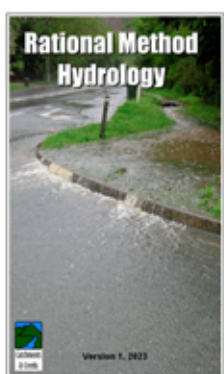
Background to Rock Sizing and Rock Roughness Equations

Catchments & Creeks Pty Ltd, 2023, Bargara Queensland.

130 pages (colour) PDF-file

Version 1, October 2023

Explanation of how the various rock sizing procedures (as presented in various C&C fact sheets and field guides) were developed, the reference documents. Plus the development of a Manning's roughness equation for deep and shallow water conditions.



Catchments & Creeks, 2023

Rational Method Hydrology

Catchments & Creeks Pty Ltd, 2023, Bargara Queensland.

70 pages (colour) PDF-file

Version 1, November, 2023

