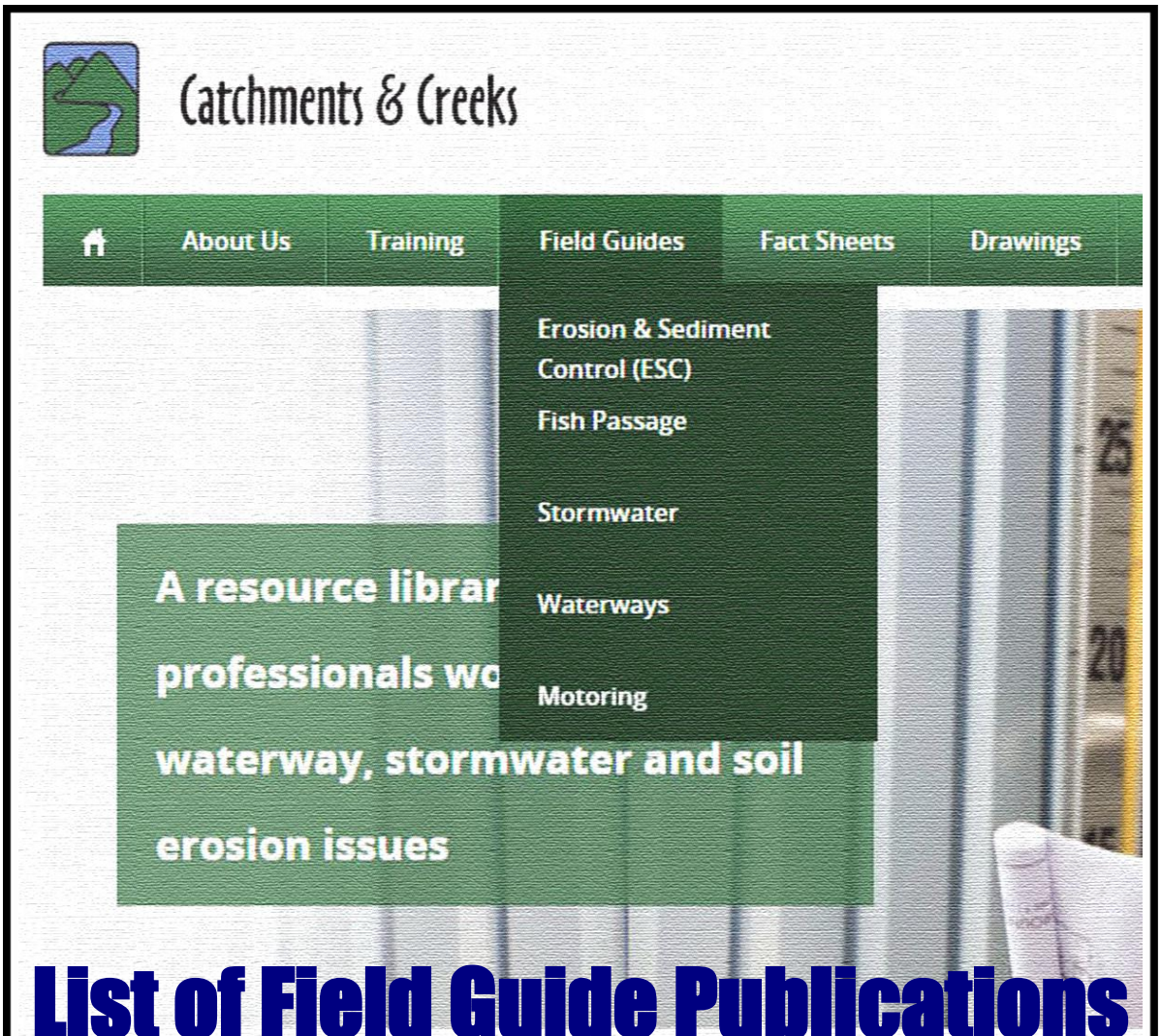


List of Field Guide Publications

Welcome

Catchments and Creeks Pty Ltd is a small engineering consultancy working out of Brisbane, Australia.

This is a privately-funded website established to disseminate technical information on waterways, stormwater management, and erosion & sediment control practices.

This material has been provided for the purposes of assisting professionals and improving engineering practices. Some of the material contained on this website requires interpretation by trained professionals and may not be suitable for use by the general public.

RESOURCES

FIELD GUIDES

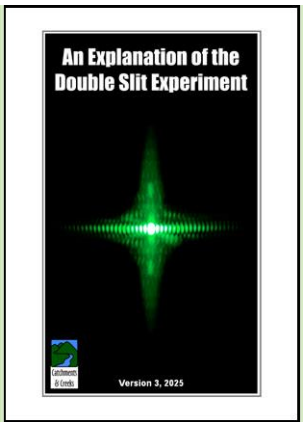
FACT SHEETS

POSTERS

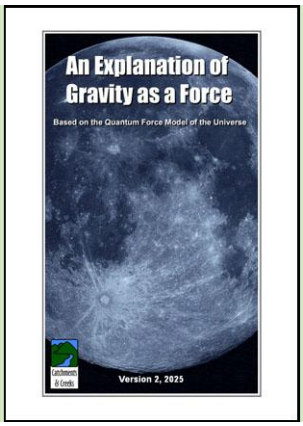
GLOSSARY

April 2026

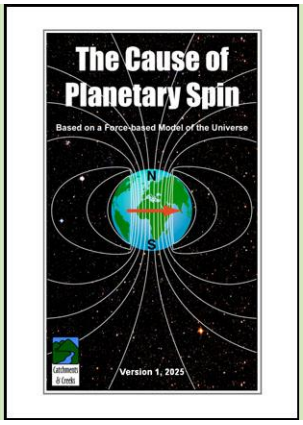
Astrophysics



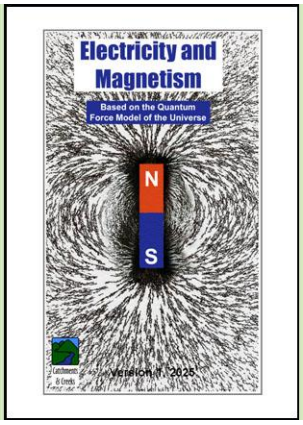
Explanation of the Double Slit V3, 2025



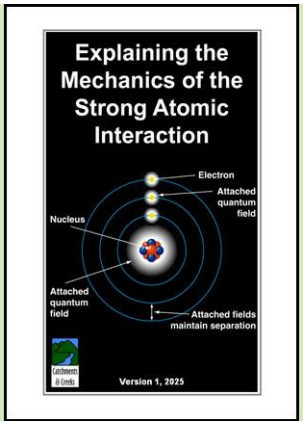
Explanation of Gravity as a Force V2, 2025



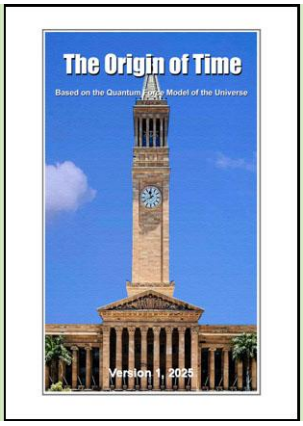
The Cause of Planetary Spin, 2025



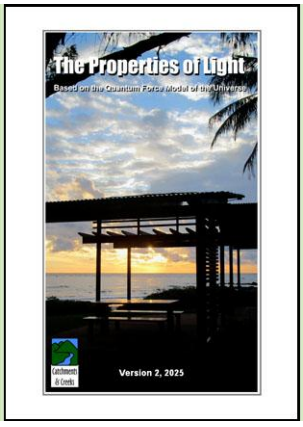
Electricity and Magnetism, 2025



The Strong Atomic Interaction, 2025

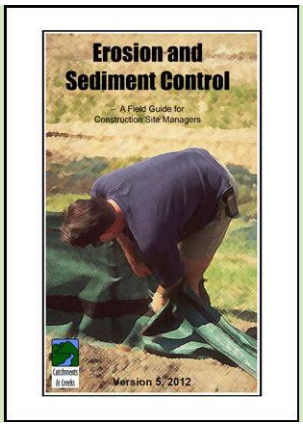


The Origin of Time, 2025

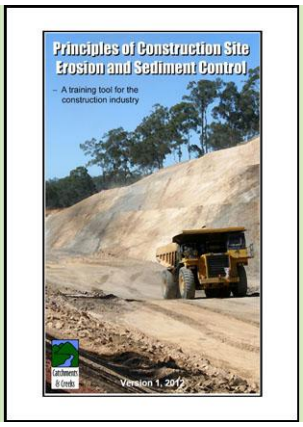


The Properties of Light V2, 2025

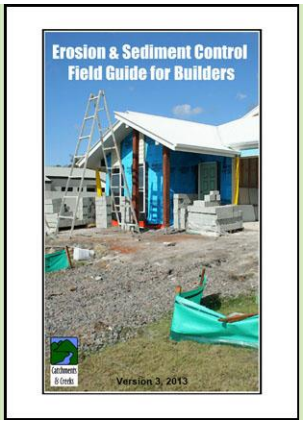
Construction Site Erosion and Sediment Control (ESC)



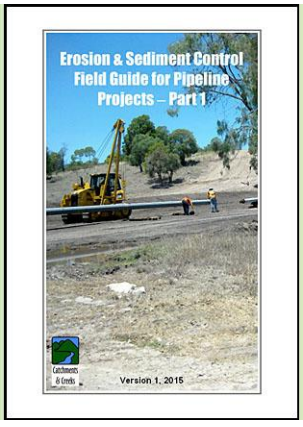
Original Field Guide, 2012



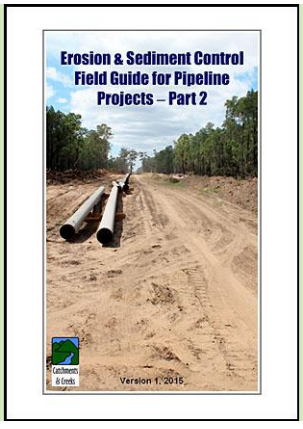
Principles of ESC, 2012*



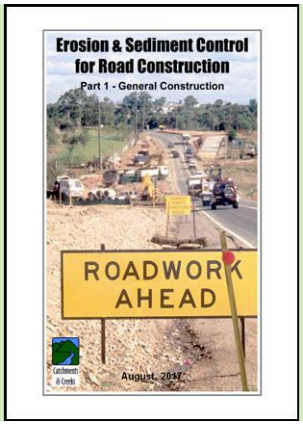
Building Site ESC, 2013



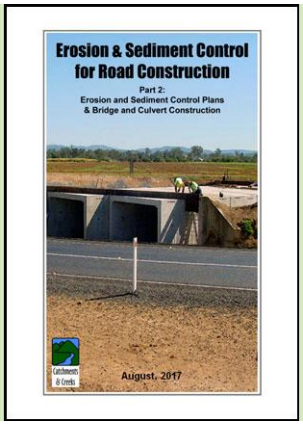
Pipeline ESC Part 1, 2015



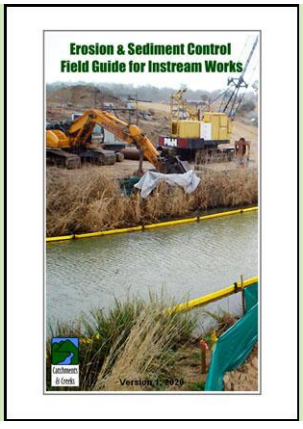
Pipeline ESC Part 2, 2015



Road Construction ESC Part 1, 2017

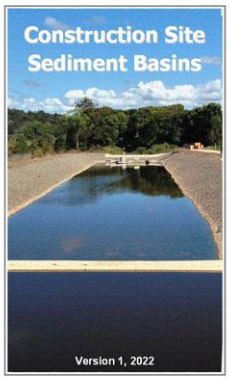


Road Construction ESC Part 2, 2017

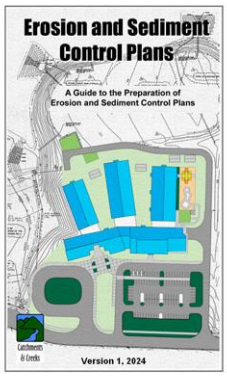


ESC for Instream Works, 2020

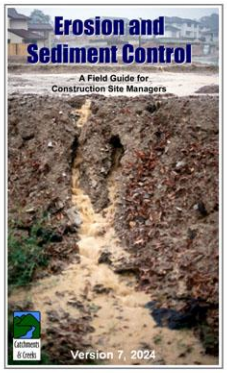
Construction Site Erosion and Sediment Control (continued)



Construction Site Sediment Basins, 2022*



ESC Plans, 2024*

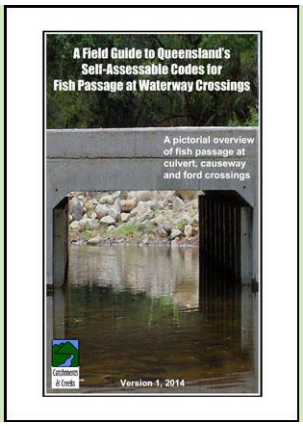


ESC for Site Managers V7, 2024*

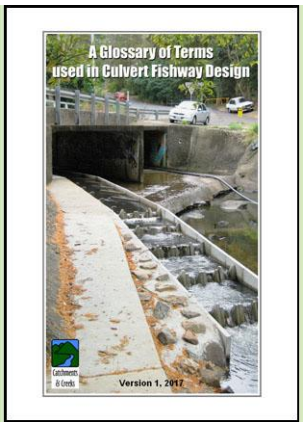
Construction Site Revegetation, 2025*

Asterisk (*) identifies reviewed documents

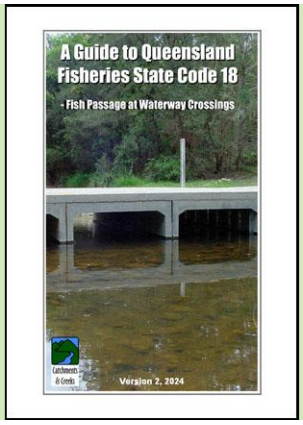
Fish Passage



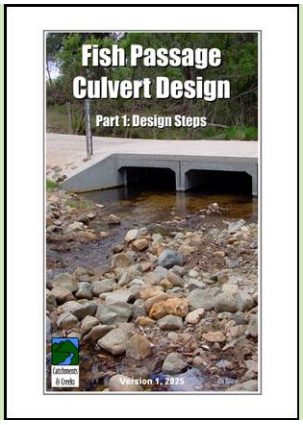
Fisheries Self-Assess Codes, 2014



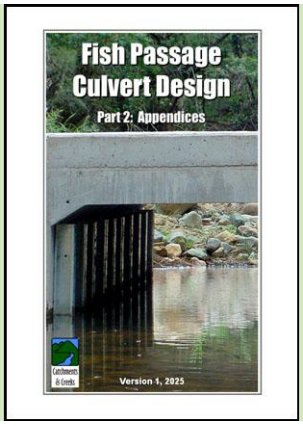
Fish Passage Glossary of Terms, 2017



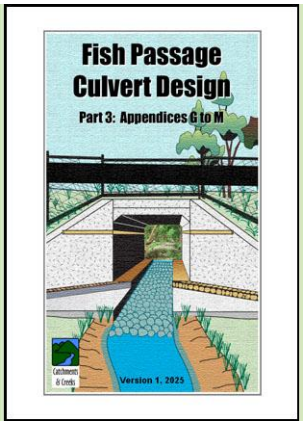
Queensland State Code 18, 2024*



Fish Passage Culvert Design, P1, 2026*



Fish Passage Culvert Design, P2, 2026*



Fish Passage Culvert Design, P3, 2026*

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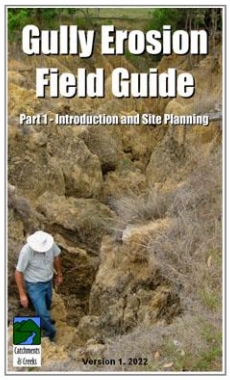
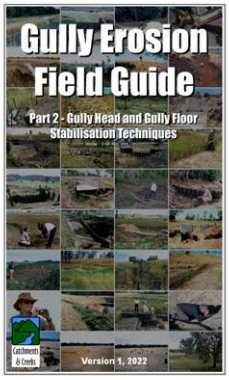
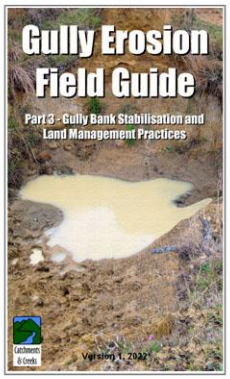
Gully Erosion and Rural Practices



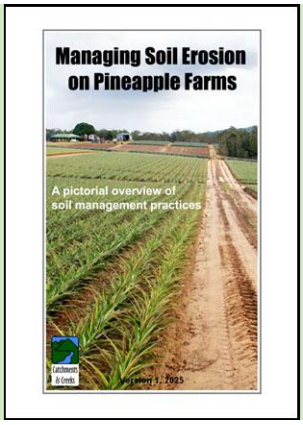
Gully Erosion, Part 1, 2022*



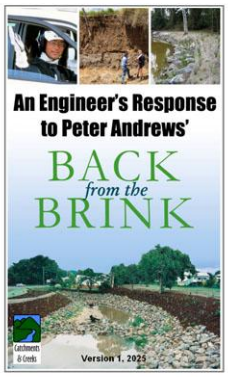
Gully Erosion, Part 2, 2022*



Gully Erosion, Part 3, 2022*



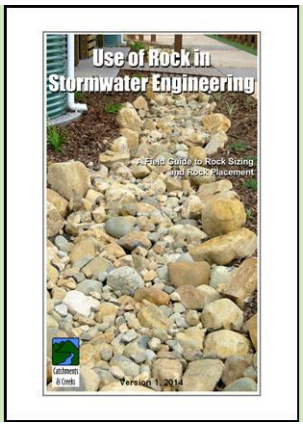
ESC on Pineapple Farms, 2025*



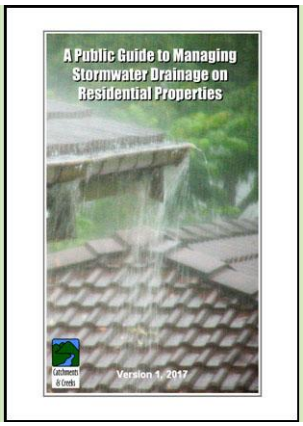
An Engineer's Response, 2025

Asterisk (*) identifies reviewed documents

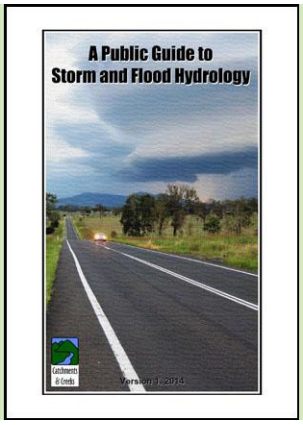
Stormwater Management



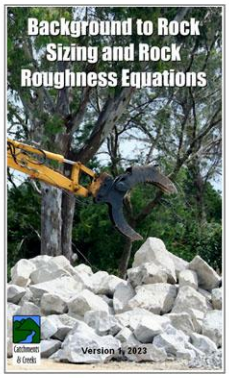
Use of Rock in Stormwater Eng, 2014



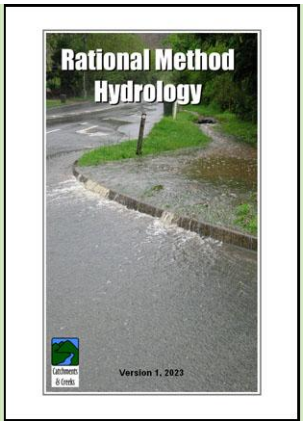
Guide to Stormwater Drainage, 2020*



Storm Hydrology, 2023*



Background to Rock Sizing, 2023*



Rational Method, 2023*

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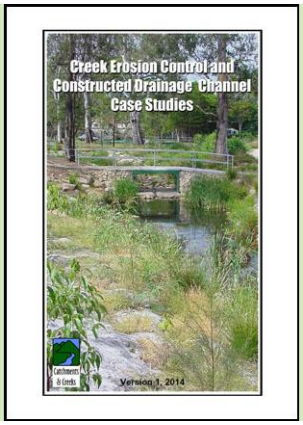
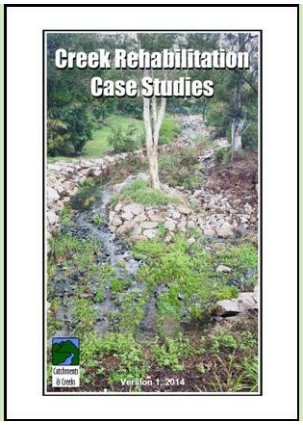
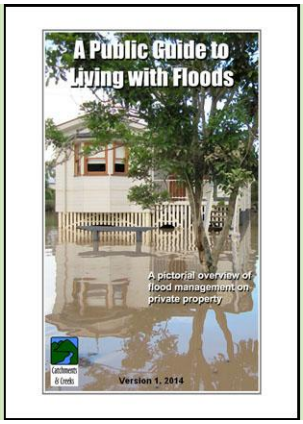
Waterway Management (creek engineering)



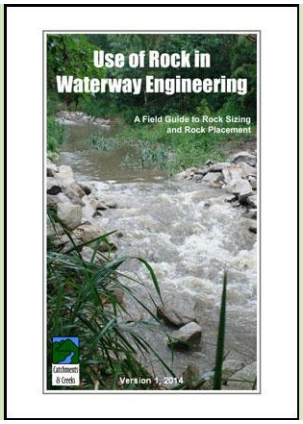
Creek Erosion Case Studies, 2014



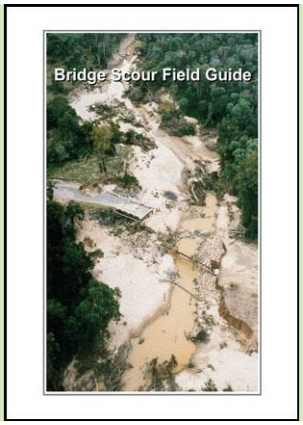
Creek Rehabilitation Case Studies, 2014



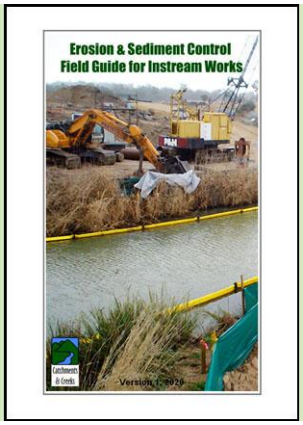
Public Guide to Living with Floods, 2014



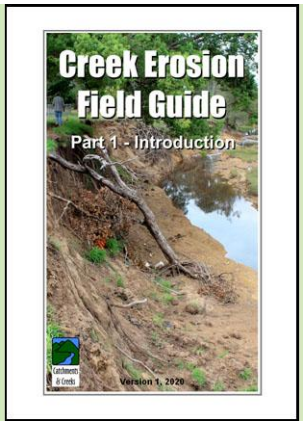
Use of Rock in Waterway Eng, 2014*



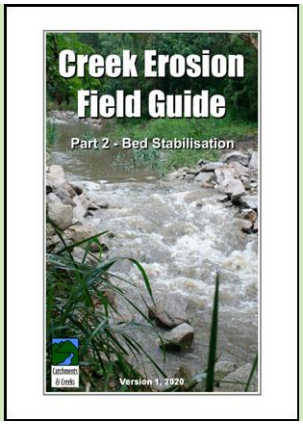
Bridge Scour Field Guide, 2020



ESC for Instream Works, 2020

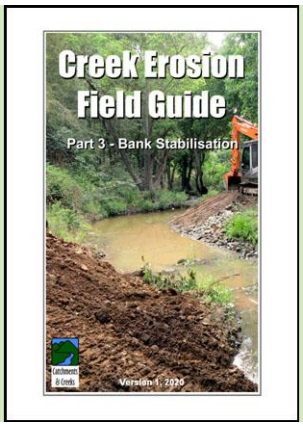


Creek Erosion FG, Part 1, 2020*

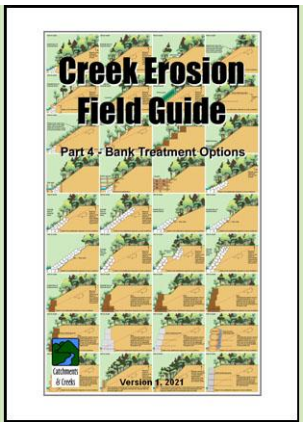


Creek Erosion FG, Part 2, 2020*

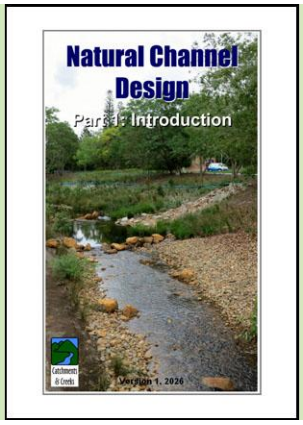
Waterway Management (creek engineering)



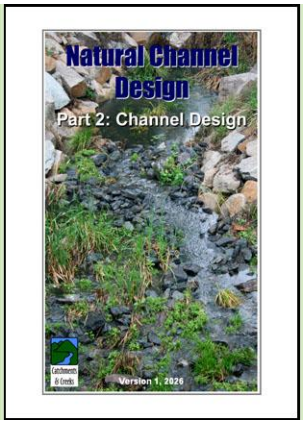
Creek Erosion FG, Part 3, 2020*



Creek Erosion FG, Part 1, 2021*



Natural Channel Design, Part 1, 2026



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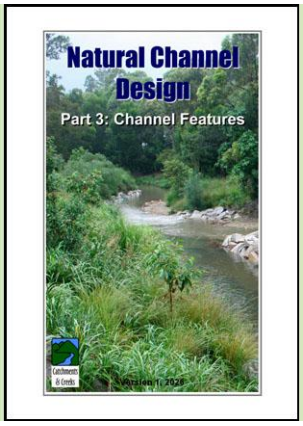
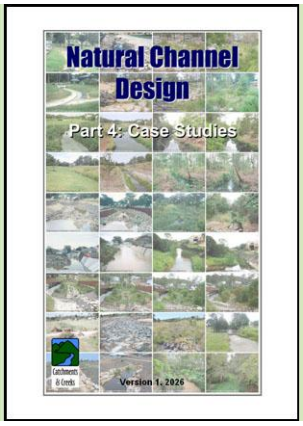


Natural Channel Design, Part 3, 2026



Natural Channel Design, Part 4, 2026

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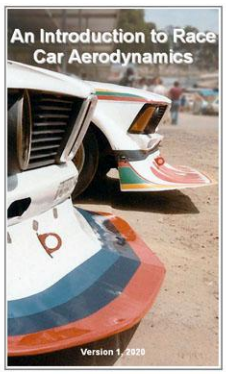
Motoring

Le Mans 1950 to 2016

Grand Prix Winners 1950 to 2016



Race Car Aerodynamics, 2020*

My First Grand Prix Experience, 2025

Travelling to a Motor Race, 2025

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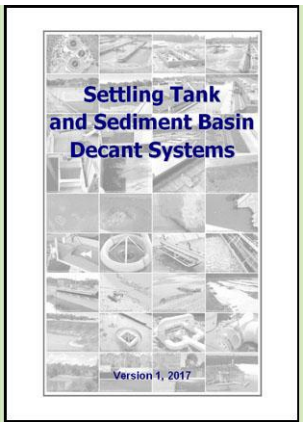
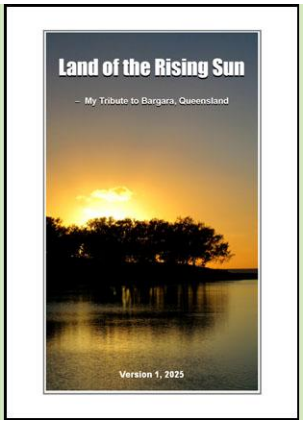
Miscellaneous Topics

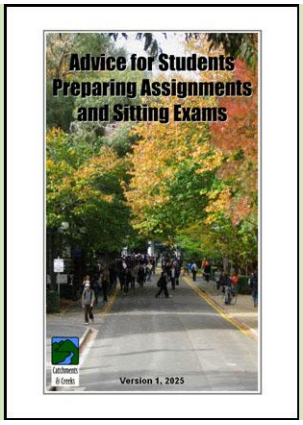


Settling Tank Decant Systems, 2017

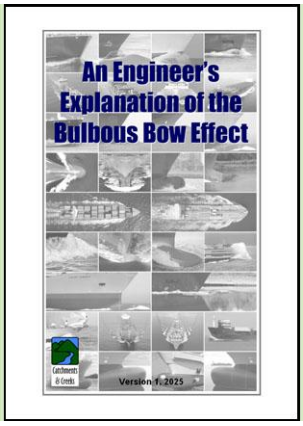
GT7 Real Car Colour Codes, 2022



Land of the Rising Sun, 2025



Advice for Students Siting Exams, 2025



The Bulbous Bow Effect, 2026*

Asterisk (*) identifies reviewed documents