RIVER PROFILE DASHBOARD

MoRPh5 River Condition Assessment

Roebuck River

River: Roebuck River River type: D Subreaches surveyed: 2

RIVER TYPE
D

River category Other	Confinement (A4) Unconfined	Sinuosity (A2) 1.15
Braiding index (A1) 1	Anabranching index (A3) 1	Valley gradient (A5) 0.0443 m/m
Bedrock reach (A6) No	Coarsest bed material (A7) Boulder (BO)	Average bed material (A8) Sand (SA)

Condition class boundaries for River Type D, applied to each Preliminary Condition Score

Poor	Fairly poor	Moderate	Fairly good	Good
≤ -0.9	-0.9 to 0.2	0.2 to 1.4	1.4 to 2.2	> 2.2

Summary

This report summarises a modelled intervention scenario, based on a MoRPh5 River Condition Assessment of Roebuck River, an indicative Type D reach. 2 subreaches were modelled along the reach, with Preliminary Condition Scores ranging from 1.401 ("Fairly good", Subreach 1) to 1.449 ("Fairly good", Subreach 2). The average condition across the reach was 1.425, in the "Fairly good" band. The most consistent positive influence on condition was Bank top vegetation structure (B1), contributing across 2 of 2 subreaches. The most consistent pressure was Channel bed siltation (E7), recorded in 2 of 2 subreaches.

Roebuck River, 1

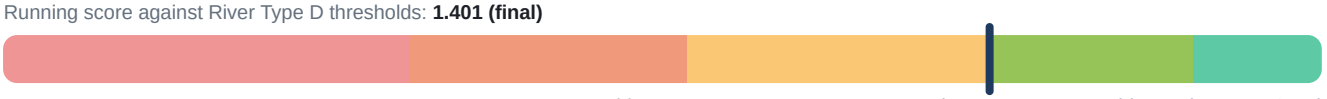
River Type D

Modelled from 12 Aug 2025 survey, proposed intervention package applied

Scenario: proposed intervention

Positive average	Negative average	Preliminary score	Final condition score
+1.632	-0.231	1.401	Fairly good

Running score against River Type D thresholds: **1.401 (final)**

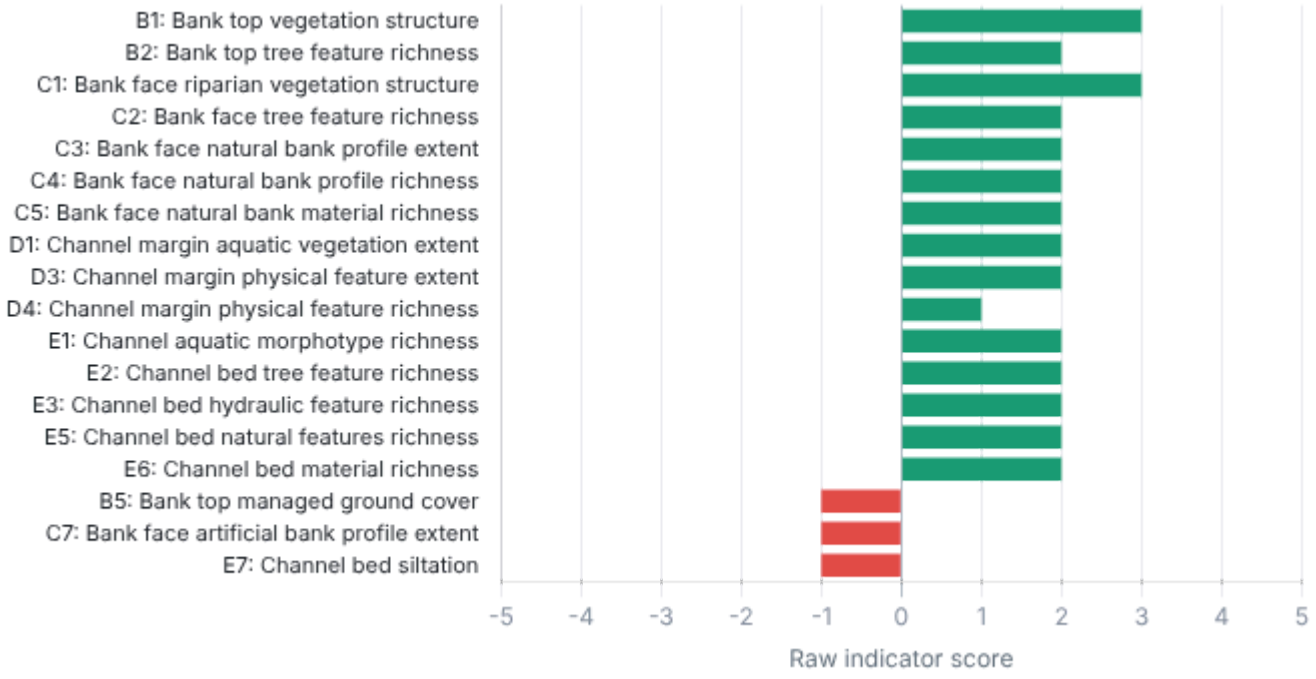


Poor	Fairly poor	Moderate	Fairly good	Good
≤ -0.9	-0.9 to 0.2	0.2 to 1.4	1.4 to 2.2	> 2.2

Indicator scores

18 of 32 indicators currently score anything other than zero.

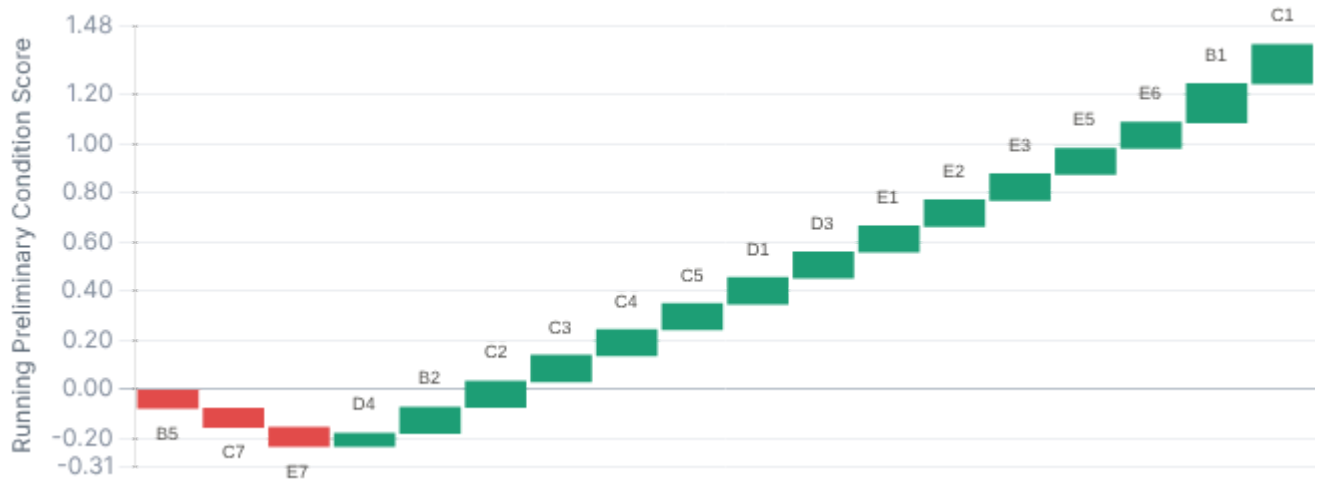
Positive score Negative score



Preliminary score build-up

Each bar shows an indicator's actual contribution to the Preliminary Score (score ÷ 13 negative, score ÷ 19 positive), not its raw score.

Negative pull Positive pull



Roebuck River, 2

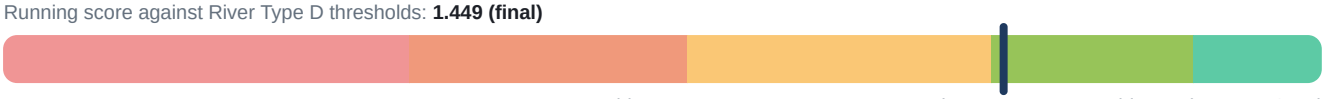
River Type D

Modelled from 12 Aug 2025 survey, proposed intervention package applied

Scenario: proposed intervention

Positive average	Negative average	Preliminary score	Final condition score
+1.526	-0.077	1.449	Fairly good

Running score against River Type D thresholds: **1.449 (final)**

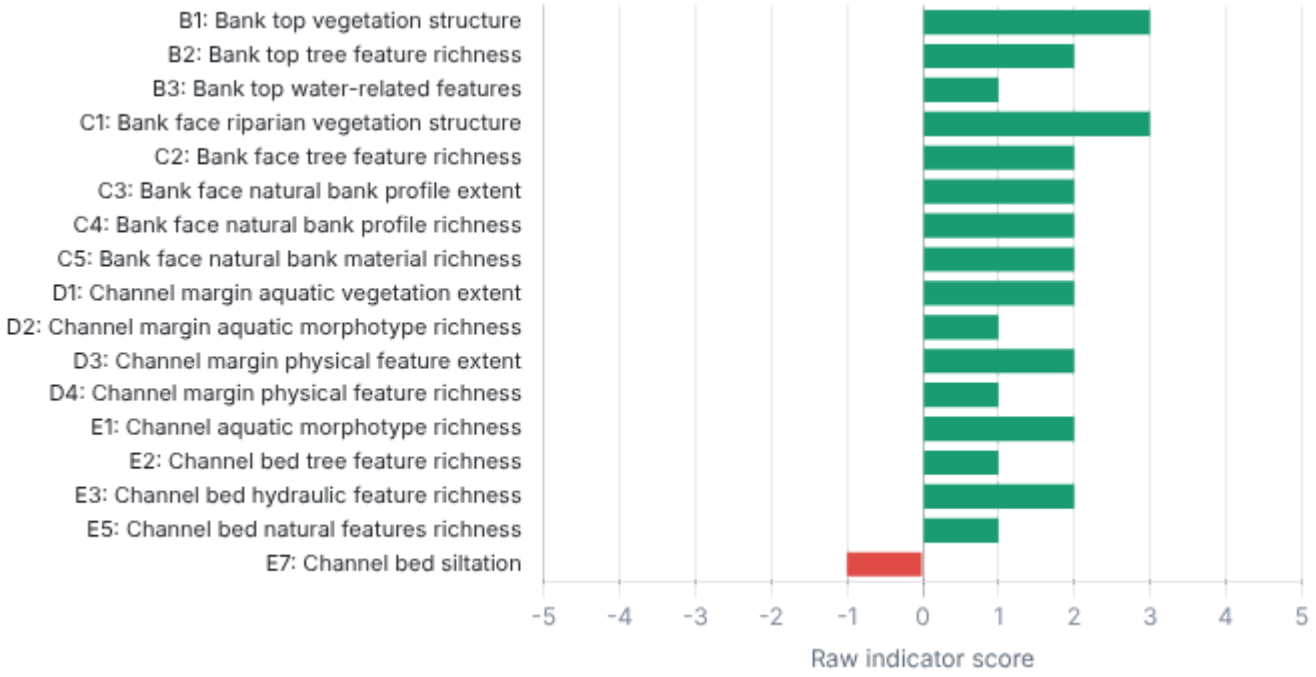


Poor	Fairly poor	Moderate	Fairly good	Good
≤ -0.9	-0.9 to 0.2	0.2 to 1.4	1.4 to 2.2	> 2.2

Indicator scores

17 of 32 indicators currently score anything other than zero.

Positive score Negative score



Preliminary score build-up

Each bar shows an indicator's actual contribution to the Preliminary Score (score ÷ 13 negative, score ÷ 19 positive), not its raw score.

Negative pull Positive pull

