

Biological, Earth and Environmental Sciences

Citizen Science Stream Index (CSSI)



Coldiste na hOllscoile Corcaigh	vicet committee [accentral accessed] healthy w
Recorder name:	Stream name:
Date:	GPS/location:
	ence or absence of six key aquatic invertebrates. Three pollution-sensitive rams and three pollution-tolerant invertebrates ('bad guys') are commonly
gravelly, fast-flowing part of the stream. The invertebrates cal	(the three samples should be a few metres apart) from a shallow (<20cm), but the time of the sample are examined in a white tray on the bankside. The six species in the tray, by their characteristic shape, colour or movement.
score of +1 each and the three 'bad guys' have a score of -1 e	of the six key invertebrates occur in the tray. The three 'good guys' have a each. The score for each kick-sample can range from +3 (all three good guys When the scores from all three samples are added together, the CSSI ranges a kick-sample. https://youtu.be/HsDZ0siO6Ds
Send your results to info@lawaters.ie and don't forget to copy/photograph of this filled in sampling sheet .	o <u>attach a clear photograph</u> of your sample and <u>of a</u>
Stonefly (+1)	Take a clear photograph of your sample to let us check and verify your sample Take a good, clear photo of all of the six key invertebrates that were found in the 3 samples, placed in a small white-bottom
Flattened mayfly (+1)	dish (eg jam jar lid) including a label, with information on the date, stream name, location and recorder.
Green caddisfly (+1)	River: Site: Sample no. Recorder:
Snail (-1)	CSSI Scores can be a 'traffic light' for
Leech (-1)	water quality CSSI score -9 to -5 Heavily polluted
Waterlouse (-1) Sum of Sun	CSSI Score -4 to +4 Moderately polluted CSSI Score +5 to +9 Clean
	Total score for the 3 samples = CSSI Score

Any observations (eg. excessive algae or fine sediment, cattle access nearby, surface foam, presence of trout/salmon etc):

Send your results to <u>info@lawaters.ie</u> and don't forget to <u>attach a clear photograph</u> of your sample and <u>of your filled in</u> sampling sheet.

The 'good guys'





Flattened mayfly 3 thin filamentous tails, wide head with large eyes on top and flattened body



Green caddisfly Green caterpillar-like larva. Gills along abdomen give it a 'spiky' appearance

The 'bad guys'



Leech Suckers at both ends & moves by stretching out body







These invertebrates are found in most streams and are NOT scored for the CSSI

