

Fluvial Habitat Index for Mediterranean streams. Index IHF



Sampling site
Data
Operator

Parts	Score
-------	-------

1. Embeddedness in riffles and runs – sedimentation in pools

Riffles	Stones, pebbles and gravel embebed in fine sediment in 0 - 30%.	10	
	Stones, pebbles and gravel embebed in fine sediment in 30 - 60%.	5	
	Stones, pebbles and gravel embebed in fine sediment in > 60%.	0	
Pools	Sedimentation 0 - 30%	10	
	Sedimentation 30 - 60%	5	
	Sedimentation > 60%	0	
TOTAL (only one score from pools or from riffles)			

2. Riffle frequency

High frequency of riffles. Ratio: distance between riffles / stream width < 7	10	
Medium. Ratio: distance between riffles / stream width 7 - 15	8	
Ocassional. Ratio: distance between riffles / stream width 15 - 25	6	
Scarce or null, laminar flow. Ratio: distance between riffles / stream width >25	4	
Only pools	2	
TOTAL (only one score)		

3. Substrate composition

% Boulders and stones	1 - 10%	2	
	> 10%	5	
% Pebbles and gravels	1 - 10%	2	
	> 10%	5	
% Sand	1 - 10%	2	
	> 10%	5	
% Silt and clay	1 - 10%	2	
	> 10%	5	
TOTAL (sum of scores of each class of substrate)			

4. Velocity/depth regime

<i>shallow:</i> < 0.5 m	4 classes present. Slow-depth, slow-shallow, fast-depth and fast-shallow.	10	
<i>slow:</i> < 0.3 m/s	Only 3 of 4 regimes	8	
	Only 2 of 4 regimes	6	
	Only 1 regime	4	
TOTAL (only one socre)			

5. Shading of river bed

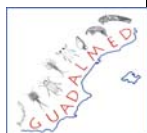
Shaded with some open areas	10	
Completely shaded	7	
Large open areas	5	
Not shaded	3	
TOTAL (only one score)		

6. Heterogeneity components

Leaf litter	> 10% or < 75%	4	
	< 10% or > 75%	2	
Presence of branches and wood in the stream		2	
Tree roots in the banks		2	
Natural dams		2	
TOTAL (sum of scores of each class)			

7. Aquatic vegetation cover

% Plocon + mosses	10 - 50%	10	
	< 10% or > 50%	5	
% Pecton	10 - 50%	10	
	< 10% or > 50%	5	
% Phanerogams + Charales	10 - 50%	10	
	< 10% or > 50%	5	
TOTAL (sum of scores of each class)			



HID98-0323-C05 ; REN2001-3438-C07

FINAL SCORE (Addition of all previous scores)