



Stream habitat assessment—field sheet

Location	<input type="text"/>	Stream name	<input type="text"/>	Stream length (m)	<input type="text"/>
Observer(s)	<input type="text"/>	Altitude (m)	<input type="text"/>	Mapsheet (TM)	<input type="text"/>
Date	<input type="text"/>	Time	<input type="text"/>	Photo(s)	YES NO

Stream characteristics

Height to bank-full (m)	<input type="text"/>	Wetted width (m)	<input type="text"/>	<input type="text"/>	<input type="text"/>
Steepness (angle)	<input type="text"/>	Depth (m)	<input type="text"/>	<input type="text"/>	<input type="text"/>
Flood plain (m wide)	<input type="text"/>	Velocity (m/s)	<input type="text"/>	<input type="text"/>	<input type="text"/>
% Pool	<input type="text"/>	Discharge (l/s)	<input type="text"/>		
% Riffle	<input type="text"/>	Flow conditions	Low	Base	High
% Run	<input type="text"/>				
% Chute	<input type="text"/>				

Substrate characteristics (% tally)

Bedrock	<input type="text"/>	MLG (16–32 mm)	<input type="text"/>
B (> 256 mm)	<input type="text"/>	SMG (8–16 mm)	<input type="text"/>
LC (128–256 mm)	<input type="text"/>	SG (2–8 mm)	<input type="text"/>
SC (64–128 mm)	<input type="text"/>	SS (< 0.063–2 mm)	<input type="text"/>
LG (32–64 mm)	<input type="text"/>	Wood	<input type="text"/>

Organic detritus (% cover)

Logs	<input type="text"/>
Branches	<input type="text"/>
Leaves	<input type="text"/>
Fine detritus	<input type="text"/>

B = boulder LC = large cobble SC = small cobble LG = large gravel MLG = medium-large gravel SMG = small-medium gravel
SG = small gravel SS = Silt-sand

Water quality characteristics

Temp (°C)	<input type="text"/>	Conductivity (µS/cm)	<input type="text"/>
DO (mg/L)	<input type="text"/>	Clarity (m) Tube / Disk	<input type="text"/>
% saturation	<input type="text"/>	Colour	<input type="text"/>
pH	<input type="text"/>	Salinity (ppt)	<input type="text"/>

Riparian characteristics

Width (m)	TLB	<input type="text"/>	TRB	<input type="text"/>
Bank vegetation cover /100 m	%TLB	<input type="text"/>	%TRB	<input type="text"/>
Overhead cover (%)	Open	Partially shaded	Heavily shaded	
Stock damage	None	Minor	Moderate	High
Vegetation type		% of vegetation	Dominant spp.	
	Grasses / Tussocks / Ferns	<input type="text"/>	<input type="text"/>	
	Shrub (< 2 m) / Exotic / Native	<input type="text"/>	<input type="text"/>	
	Sub-canopy (2–5 m) / Exotic / Native	<input type="text"/>	<input type="text"/>	
	Canopy (> 5 m) / Exotic / Native	<input type="text"/>	<input type="text"/>	

Bank cover characteristics

<input type="checkbox"/> Bare soil	<input type="checkbox"/> Trees
<input type="checkbox"/> Stony	<input type="checkbox"/> Artificial / concrete
<input type="checkbox"/> Grass	
<input type="checkbox"/> Tussock	
<input type="checkbox"/> Shrubs	

Bank stability

<input type="checkbox"/> Stable
<input type="checkbox"/> Mostly stable
<input type="checkbox"/> Highly unstable
<input type="checkbox"/> Undercutting

Fish blockages

Adjacent land use characteristics

- Native forest
- Exotic forest
- Mining
- Farming
- Urban
- Horticulture
- Road
- Stock
- Dairy
- Deer
- Horse
- Crops
- Grazed (short)
- Grazed (long)

Catchment land use characteristics

- Native forest
- Exotic forest
- Mining
- Farming
- Urban
- Other

Comments / Observations

e.g. bank modification, artificial (e.g. car tyres, etc.) or natural (e.g. stumps) objects? Cobble packing, odours, surface oil sheens?

Flora and fauna

Periphyton group	Colour	% Cover	Vertebrate spp.	Macrophyte spp.	% Cover
Thin mat/film (< 0.5 mm)	G	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	LB	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	DB	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Medium mat (0.5–3 mm)	G	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	LB	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	DB	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Thick mat (> 3 mm)	G	<input type="text"/>	Invertebrate spp	<input type="text"/>	<input type="text"/>
	LB	<input type="text"/>		<input type="text"/>	<input type="text"/>
	DB	<input type="text"/>		<input type="text"/>	<input type="text"/>
Short filaments (< 20 mm)	G	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	BR	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Long filaments (> 20 mm)	G	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	BR	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
No periphyton (no colour and not slippery)		(tick)	<input type="checkbox"/>		

G = green LB = light brown DB = dark brown / black BR = brown / reddish

SITE DIAGRAM