

# River Record Sheets

Date -



RIVER -  
DATE -  
FLOW LEVEL -  
RECORDER -

ISSUE BEING INVESTIGATED

OVERALL FINDINGS

CHANGE SINCE LAST SURVEY

CONCLUSIONS & RECOMMENDATIONS

Signed.....

Date.....

REVIEW

Signed.....

Date.....

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REACH START	-
REACH FINISH	-
REACH LENGTH	-

## Box 1 - RIVER & VALLEY SETTING

TERRAINE	DRIFT TYPE	VALLEY TYPE	RIVER TYPE
Mountain <input type="checkbox"/>	Bedrock <input type="checkbox"/>	Gorge <input type="checkbox"/>	Bedrock <input type="checkbox"/>
Upland <input type="checkbox"/>	Soils <input type="checkbox"/>	Confined <input type="checkbox"/>	Step-pool <input type="checkbox"/>
Low Hills <input type="checkbox"/>	Moraine <input type="checkbox"/>	Narrow floodplain <input type="checkbox"/>	Plane bed <input type="checkbox"/>
Lowland <input type="checkbox"/>	Fluvio-glacial <input type="checkbox"/>	Wide Floodplain <input type="checkbox"/>	Wandering <input type="checkbox"/>
	Fluvial <input type="checkbox"/>		Braided <input type="checkbox"/>
	Lake <input type="checkbox"/>		Active single-thread <input type="checkbox"/>
			Passive single-thread <input type="checkbox"/>

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## Box 2 - RIVER INFLUENCES

LAND USE	SEDIMENT DELIVERY	FLOW
Natural <input type="checkbox"/>	Strong coarse supply <input type="checkbox"/>	High energy flashy <input type="checkbox"/>
Pasture <input type="checkbox"/>	Moderate coarse supply <input type="checkbox"/>	Moderate energy flashy <input type="checkbox"/>
Arable <input type="checkbox"/>	Low coarse supply <input type="checkbox"/>	Moderate energy subdued <input type="checkbox"/>
Urban <input type="checkbox"/>	Strong fine supply <input type="checkbox"/>	Low energy subdued <input type="checkbox"/>
Suburban <input type="checkbox"/>	Moderate fine supply <input type="checkbox"/>	Low energy invariant <input type="checkbox"/>
	Low fine supply <input type="checkbox"/>	

  

ENGINEERING	RIPARIAN VEGETATION	RIPARIAN LAND USE
Hard banks <input type="checkbox"/>	None <input type="checkbox"/>	Natural <input type="checkbox"/>
Hard bed <input type="checkbox"/>	Unimproved grass <input type="checkbox"/>	Pasture <input type="checkbox"/>
Weir <input type="checkbox"/>	Improved grass <input type="checkbox"/>	Arable <input type="checkbox"/>
Dam <input type="checkbox"/>	Arable <input type="checkbox"/>	Urban <input type="checkbox"/>
Groynes / deflectors <input type="checkbox"/>	Scrub <input type="checkbox"/>	Suburban <input type="checkbox"/>
Bridge crossing <input type="checkbox"/>	Deciduous forest <input type="checkbox"/>	
Re-sectioned <input type="checkbox"/>	Coniferous forest <input type="checkbox"/>	
Straightened <input type="checkbox"/>	Mixed forest <input type="checkbox"/>	
Dredged <input type="checkbox"/>	Other (specify below) <input type="checkbox"/>	
Embanked (distant) <input type="checkbox"/>		
Embanked (adjacent) <input type="checkbox"/>		

Sketch:

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## Box 3 - RIVER CHARACTER

BED SEDIMENT		MORPHOLOGY		MORPHOLOGY	
Boulder	<input type="checkbox"/>	Pool	<input type="checkbox"/>	Chute	<input type="checkbox"/>
Boulder/cobble	<input type="checkbox"/>	Plane bed	<input type="checkbox"/>	River Cliff	<input type="checkbox"/>
Cobble	<input type="checkbox"/>	Riffle	<input type="checkbox"/>	Berm	<input type="checkbox"/>
Cobble/gravel	<input type="checkbox"/>	Rapid	<input type="checkbox"/>	Floodplain features (specify below)	<input type="checkbox"/>
Gravel	<input type="checkbox"/>	Boulder step	<input type="checkbox"/>		
Gravel/fines	<input type="checkbox"/>	Transverse bar	<input type="checkbox"/>		
Fines	<input type="checkbox"/>	Island	<input type="checkbox"/>		
	<input type="checkbox"/>	Lateral bar	<input type="checkbox"/>		
Fine veneer	<input type="checkbox"/>	Point bar	<input type="checkbox"/>	Other (specify below)	<input type="checkbox"/>
Ripples / Dunes	<input type="checkbox"/>	Mid-channel bar	<input type="checkbox"/>		
		Confluence bar	<input type="checkbox"/>		

## Box 4 - RIVER CHARACTER

FLOW TYPES		BED ACTIVITY		BANK ACTIVITY	
Cascade	<input type="checkbox"/>	Stable bed	<input type="checkbox"/>	Outer bank erosion	<input type="checkbox"/>
Chute	<input type="checkbox"/>	Mobile fines	<input type="checkbox"/>	Inner bank erosion	<input type="checkbox"/>
Riffle	<input type="checkbox"/>	Mobile gravels	<input type="checkbox"/>	Erosion both banks	<input type="checkbox"/>
Run	<input type="checkbox"/>	Mobile bed	<input type="checkbox"/>	Shoaling / Riffle development	<input type="checkbox"/>
Glide	<input type="checkbox"/>	Armoured bed	<input type="checkbox"/>	Bar / Island creation	<input type="checkbox"/>
Pool	<input type="checkbox"/>			Bar / Island bank erosion	<input type="checkbox"/>
	<input type="checkbox"/>			Bar dissection	<input type="checkbox"/>
Mixed /uniform	<input type="checkbox"/>	Active bars	<input type="checkbox"/>	Chute development	<input type="checkbox"/>
		Inactive bars	<input type="checkbox"/>	Overbank gravel splays	<input type="checkbox"/>
				Avulsion	<input type="checkbox"/>

## Box 5 - RIVER CHARACTER

LEFT BANK TYPE		RIGHT BANK TYPE	
Uniform alluvial	<input type="checkbox"/>	Uniform alluvial	<input type="checkbox"/>
Uniform gravel supported	<input type="checkbox"/>	Uniform gravel supported	<input type="checkbox"/>
Alluvial over gravel	<input type="checkbox"/>	Alluvial over gravel	<input type="checkbox"/>
Cantilever failure	<input type="checkbox"/>	Cantilever failure	<input type="checkbox"/>
Rotational slips	<input type="checkbox"/>	Rotational slips	<input type="checkbox"/>
Slipped blocks	<input type="checkbox"/>	Slipped blocks	<input type="checkbox"/>

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## Box 6 - RIPARIAN VEGETATION

LEFT BANK MARGIN		RIGHT BANK MARGIN		ISLAND / BAR / BERM	
Bare	<input type="checkbox"/>	Bare	<input type="checkbox"/>	Bare	<input type="checkbox"/>
Sparse annual / grasses	<input type="checkbox"/>	Sparse annual / grasses	<input type="checkbox"/>	Sparse ann / grass	<input type="checkbox"/>
Dense annual / grasses	<input type="checkbox"/>	Dense annual / grasses	<input type="checkbox"/>	Dense ann / grass	<input type="checkbox"/>
Mixed scrub	<input type="checkbox"/>	Mixed scrub	<input type="checkbox"/>	Marginal reed / sedge	<input type="checkbox"/>
Scrub / trees	<input type="checkbox"/>	Scrub / trees	<input type="checkbox"/>	Mixed scrub	<input type="checkbox"/>
Plantation	<input type="checkbox"/>	Plantation	<input type="checkbox"/>	Scrub / trees	<input type="checkbox"/>
Single line	<input type="checkbox"/>	Single line	<input type="checkbox"/>	Plantation	<input type="checkbox"/>
Narrow belt	<input type="checkbox"/>	Narrow belt	<input type="checkbox"/>		
Wide belt	<input type="checkbox"/>	Wide belt	<input type="checkbox"/>		

Ecological notes:

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## GEOMETRY

### SECTION 1

Photo Numbers-

Top Width

Local Width var

Left bank height

Left bank angle

Right bank height

Right bank angle

Floodplain elevation above water

Average flow depth

Maximum flow depth

Depth variability

Mean surface velocity

Maximum surface velocity


Bar width

Bar length

Berm width

Berm length

Bed sediment  $D_{50}$

Bed sediment  $D_{95}$

Bar sediment  $D_{50}$

Bar sediment  $D_{95}$

Berm sediment  $D_{50}$

Berm sediment  $D_{95}$


Sketch:

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### SECTION 2

Top Width

Local Width var

Left bank height

Left bank angle

Right bank height

Right bank angle

Floodplain elevation above water

Average flow depth

Maximum flow depth

Depth variability

Mean surface velocity

Maximum surface velocity


Bar width

Bar length

Berm width

Berm length

Bed sediment  $D_{50}$

Bed sediment  $D_{95}$

Bar sediment  $D_{50}$

Bar sediment  $D_{95}$

Berm sediment  $D_{50}$

Berm sediment  $D_{95}$


Sketch:

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