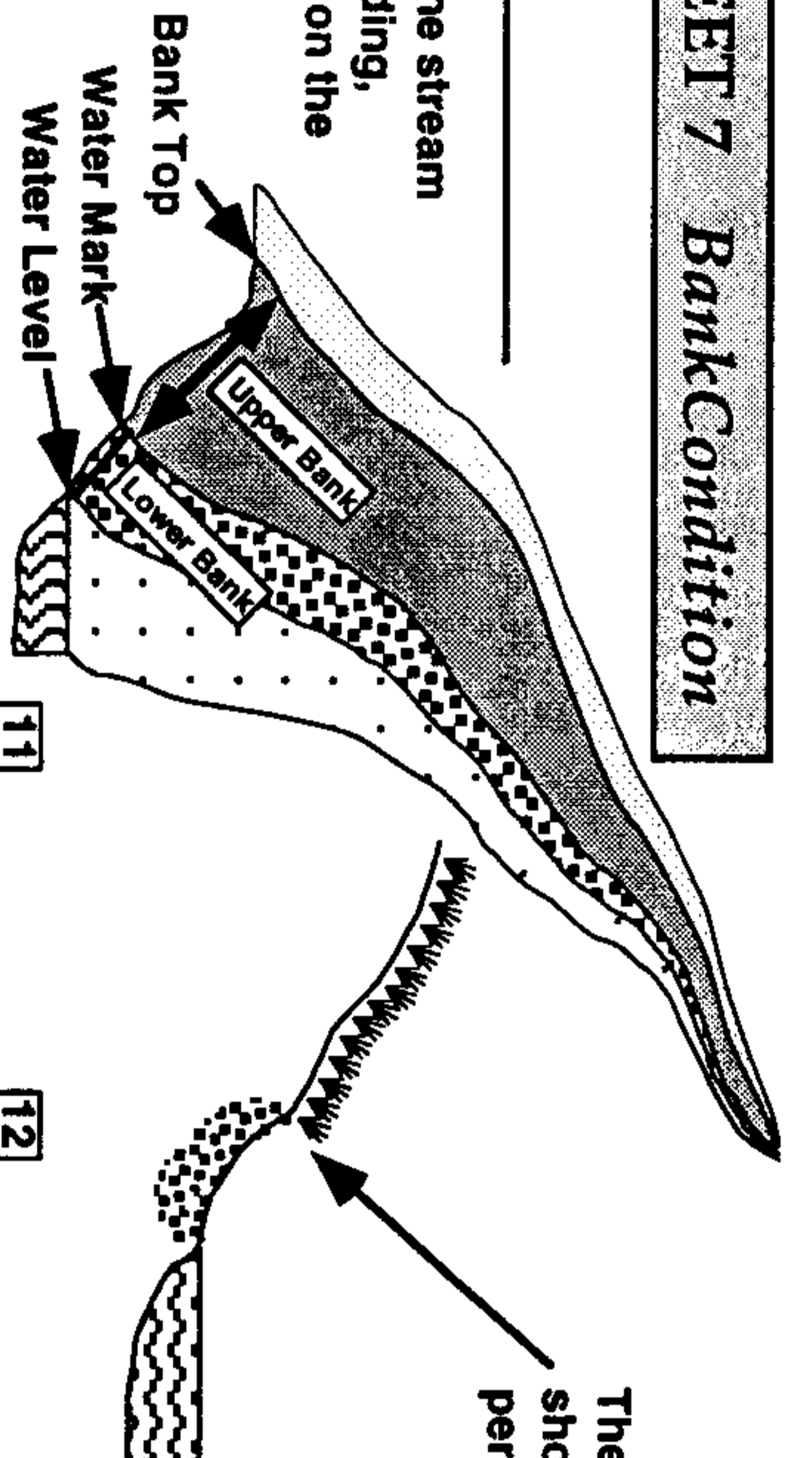


# Riverine Habitat Audit Procedure --- SHEET 7 Bank Condition

Basin  Sub-section  Site  Tributary Name

Assess the condition of the banks on the left and right side of the stream (facing downstream). Identify the major types of instability (eroding, slumping & aggrading) and mark the location where they occur on the lower and upper banks. Also record and the slope and shape of the banks, and make an overall assessment of instability.



The "Water Mark" is left at the normal inundation level in the stream. It's location is shown by the limit of the terrestrial grasses etc. which can only withstand short periods of inundation, or by an eroded area or boundary in the bank sediment types.

Date (dd/mm/yy)  /  /

Recorder

## 13 Levee Banks

	1 Natural	2 Man-made	3 Absent	LEFT Height	LEFT Width	RIGHT Height	RIGHT Width
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## LEFT BANK

Record % of bank length

### 1 LOWER BANK

Bare of Veg

Note: The four boxes below must total 100%

Stable

Eroding

Aggrading

Slumping

where

### 2 UPPER BANK

Bare of Veg

Note: The four boxes below must total 100%

Stable

Eroding

Aggrading

Slumping

where

## 3 LEFT BANK Slope (Rank types)

Slope 80-90 deg.	<input type="checkbox"/>
Vertical	<input type="checkbox"/>
Slope 60-80 deg.	<input type="checkbox"/>
Steep	<input type="checkbox"/>
Slope 30-60 deg.	<input type="checkbox"/>
Moderate	<input type="checkbox"/>
Slope 10-30 deg.	<input type="checkbox"/>
LOW	<input type="checkbox"/>
Slope < 10 deg.	<input type="checkbox"/>
FLAT	<input type="checkbox"/>

## 4 LEFT BANK Shape (Rank types)

Concave	<input type="checkbox"/>
Convex	<input type="checkbox"/>
Stepped	<input type="checkbox"/>
Wide lower bench	<input type="checkbox"/>
Undercut	<input type="checkbox"/>

## 11 Factors Affecting Stability

Flow & Waves	<input type="checkbox"/>
Seepage	<input type="checkbox"/>
Runoff	<input type="checkbox"/>
Floodplain Scours	<input type="checkbox"/>
Stock	<input type="checkbox"/>
People tracks	<input type="checkbox"/>
Vermiin	<input type="checkbox"/>
Ford, road culvert or bridge	<input type="checkbox"/>
Clearing of Vegetation	<input type="checkbox"/>
Gravel/sand extraction	<input type="checkbox"/>
Mining	<input type="checkbox"/>
Rubbish, car bodies etc.	<input type="checkbox"/>
Other	<input type="checkbox"/>

## 12 Artificial Bank Protection Measures

Trees & Other Plants	<input type="checkbox"/>
Rock wall or layer	<input type="checkbox"/>
Fence Structures	<input type="checkbox"/>
Fenced watering points	<input type="checkbox"/>
Fenced human access	<input type="checkbox"/>
Logs strapped to bank	<input type="checkbox"/>
Concrete channel lining	<input type="checkbox"/>
Break-water	<input type="checkbox"/>
RipRap	<input type="checkbox"/>
Other1	<input type="checkbox"/>
Other2	<input type="checkbox"/>
Other3	<input type="checkbox"/>
Other4	<input type="checkbox"/>

## RIGHT BANK

Record % of bank length

### 1 LOWER BANK

Bare of Veg

Note: The four boxes below must total 100%

Stable

Eroding

Aggrading

Slumping

where

### 2 UPPER BANK

Bare of Veg

Note: The four boxes below must total 100%

Stable

Eroding

Aggrading

Slumping

where

## 8 RIGHT BANK Slope (Rank types)

Slope 80-90 deg.	<input type="checkbox"/>
Vertical	<input type="checkbox"/>
Slope 60-80 deg.	<input type="checkbox"/>
Steep	<input type="checkbox"/>
Slope 30-60 deg.	<input type="checkbox"/>
Moderate	<input type="checkbox"/>
Slope 10-30 deg.	<input type="checkbox"/>
LOW	<input type="checkbox"/>
Slope < 10 deg.	<input type="checkbox"/>
FLAT	<input type="checkbox"/>

## 9 RIGHT BANK Shape (Rank types)

Concave	<input type="checkbox"/>
Convex	<input type="checkbox"/>
Stepped	<input type="checkbox"/>
Wide lower bench	<input type="checkbox"/>
Undercut	<input type="checkbox"/>

## LOCATION for Instability

bends	<input type="checkbox"/>
At floodplain scours	<input type="checkbox"/>
at obstacles	<input type="checkbox"/>
at seepage & runoff points	<input type="checkbox"/>
Irregular	<input type="checkbox"/>
all along	<input type="checkbox"/>

## Rate the Overall Condition of the Left Bank

Overall Instability

Susceptibility to erosion

## Rate the Overall Condition of the Right Bank

Overall Instability

Susceptibility to erosion