

Riverine Habitat Audit Procedure --- SHEET 5 Channel Habitat




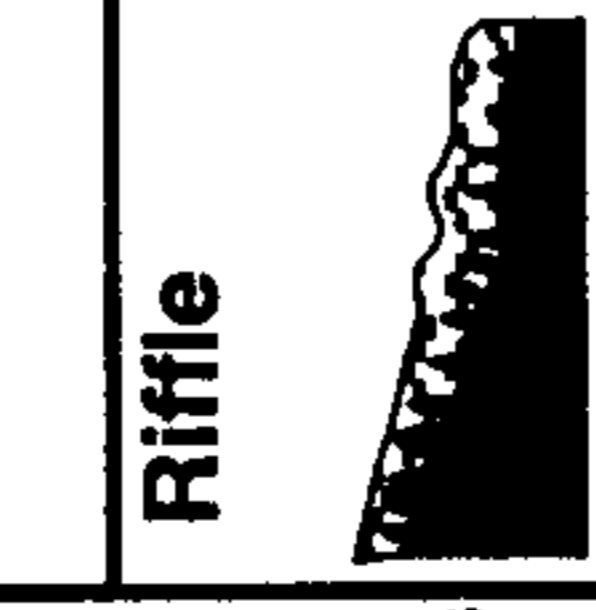
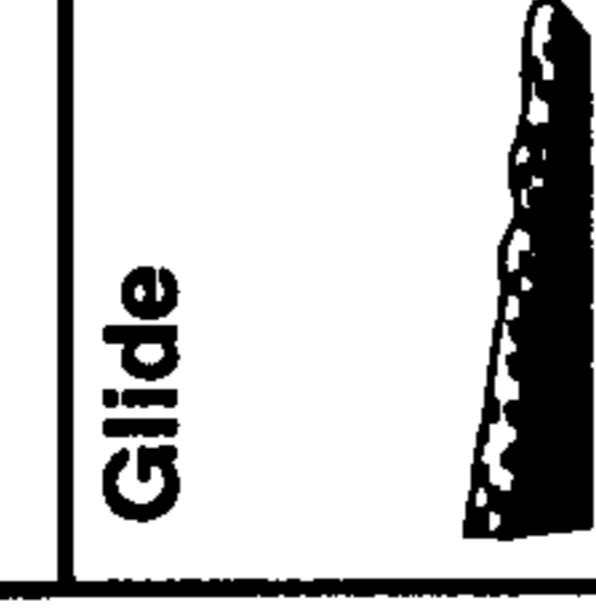
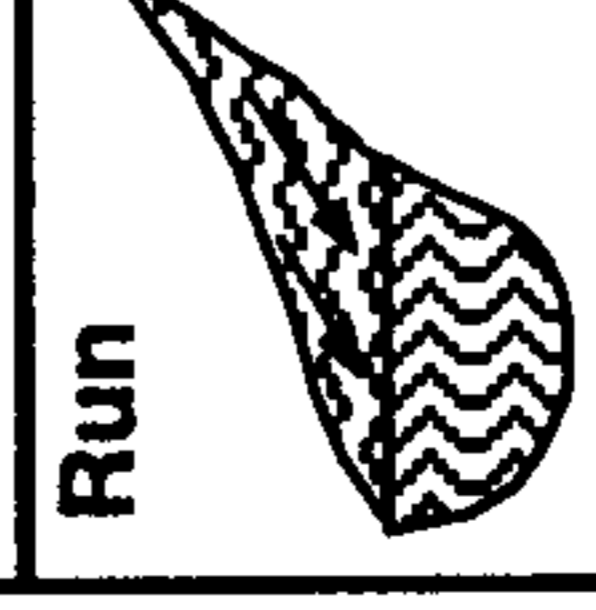
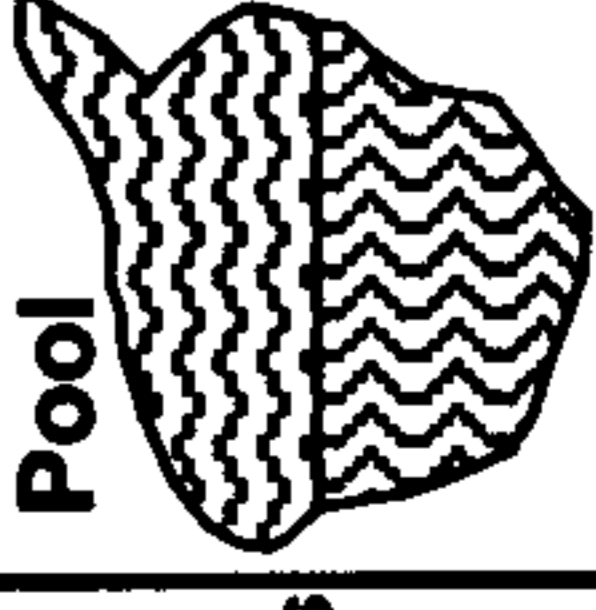
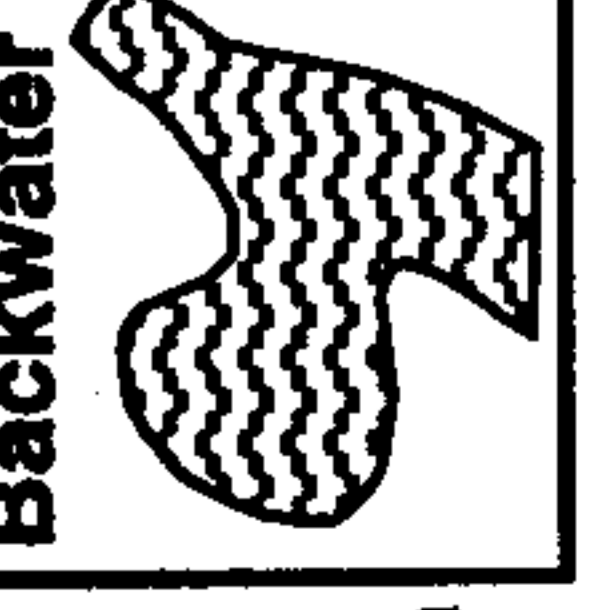
Date (dd/mm/yy) / /

Recorder _____

Basin Sub-section Site Tributary Name

SITE CODE

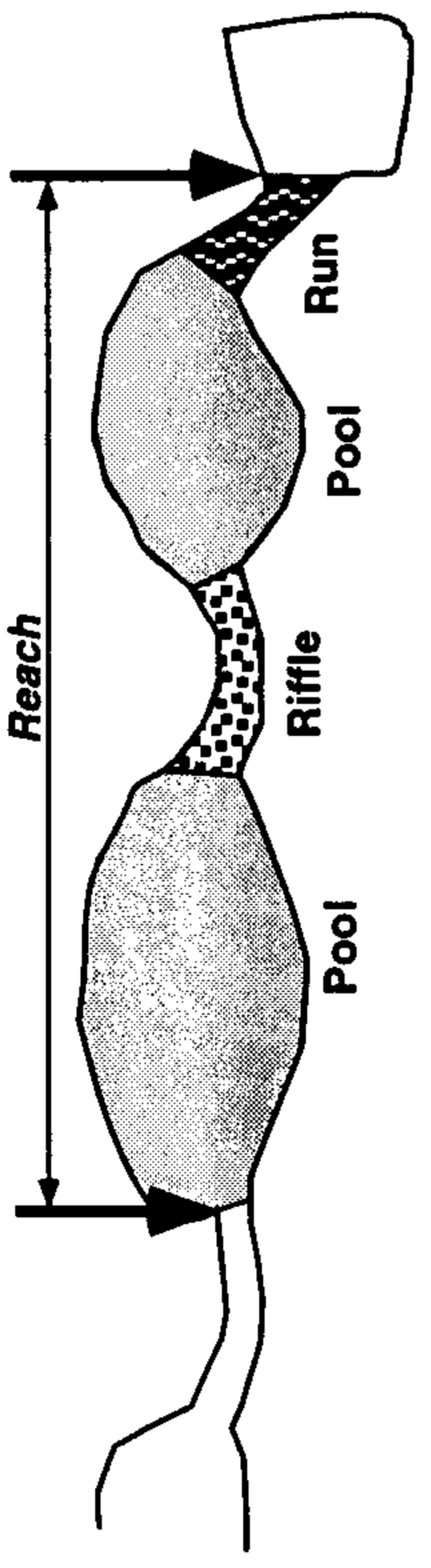
1 Channel Habitat Types

Height > 1m Gradient > 60 deg		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	% of section
		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	Est. Av. length (m)
		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	Est. Av. height (m)
		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	Est. Av. Gradient (deg.)
Step Height < 1m Gradient 5 - 60 deg Strong Currents		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	% of section
		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	Est. Av. length (m)
		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	Est. Av. height (m)
		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	Est. Av. Gradient (deg.)
Depth > 0.3 m Gradient 3 - 5 deg Strong Currents Rocks break surface		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	% of section
		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	Est. Av. length (m)
		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	Est. Av. depth (m)
		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	Est. Av. Width (m)
Depth 0.1 - 0.3 m Gradient 1 - 3 deg Moderate Currents Surface unbroken but unsmooth		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	% of section
		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	Est. Av. length (m)
		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	Est. Av. depth (m)
		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	Est. Av. Width (m)
Depth < 0.1 m Gradient 1 - 3 deg Small Currents Surface unbroken and smooth		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	% of section
		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	Est. Av. length (m)
		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	Est. Av. depth (m)
		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	Est. Av. Width (m)
Depth > 0.3 m Gradient 1 - 3 deg Small but distinct & uniform current Surface unbroken		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	% of section
		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	Est. Av. length (m)
		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	Est. Av. depth (m)
		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	Est. Av. Width (m)
Depth > 0.5 m where stream widens or deepens and current declines		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	% of section
		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	Est. Av. length (m)
		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	Est. Av. depth (m)
		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	Est. Av. Width (m)
Depth < 0.3m a reasonable size (>20% of channel width) cut-off section away from the channel		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	% of section
		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	Est. Av. length (m)
		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	Est. Av. depth (m)
		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	Est. Av. Width (m)

Selecting a Reach

Choose an appropriate Reach for the remaining assessment. It should:-

1. Preferably contains at least 2 complete pools and riffle / run habitats
 2. The whole length of the reach should be visible at one location.
 3. The pool should be the largest and deepest in the area.
- Sketch the reach showing the location and dimensions of the major habitat types. Measure the length width of each channel habitat type and take a transect across each type located at right angles to the shoreline and passing over the point of maximum depth in a pool (low flow area) and maximum flow / bed height for a run or riffle habitat i.e. the transect where flows would be expected to be maximal.



Total Length of reach (m)

3

Sketch the reach showing the channel pattern and the distribution of channel habitat types and key features. A cross-section profile showing the bank shape and vegetation types would also be helpful if there is time