

# Hess Stream Bottom Sampler

## Operating Instructions

### Introduction:

As referenced in Standard Methods, Hess-type stream samplers are intended for sampling macrobenthos in shallow, flowing waters. They are cylindrical with enclosed sides and an open top. They function similarly to the surber-type samplers but are capable of sampling gravel and small cobble bottoms.

### Improvements to the Wildco® Hess Sampler include:

- New way of attaching net makes replacement easier
- Round handles minimize pressure on your hands
- More durable stainless steel screen replaces the previous Nitex® cloth front panel.

### How To Use:

1. Place the sampler on the stream bottom with the net portion downstream. You can adjust it by pushing down and rotating the sampler with the attached handles.
2. Stretch out the net and adjust the bucket to get a horizontal flow of water going through the net.
3. Once the sampler is in place, scrub the cobble and pebbles inside the sampler so the specimens are carried by the current through the downstream window into the net and sample bucket. Lightly hand-rub all rocks and large stones inside the frame to dislodge organisms clinging to them. Examine each stone for organisms, larval or pupal cases etc. that may be clinging to it before discarding. After cleaning off all the rocks and stones within the sampler, stir the remaining gravel and sand with your hands or a stick to dislodge bottom-dwelling organisms. It may be necessary to hand-pick some mussels and snails that are not carried into the net by the current.

4. After removing the sampler from the stream, rinse down the net from the outside into the Dolphin™ bucket. Carefully examine the net for small organisms clinging to it. Remove these, preferably with forceps to avoid damage, and include in the sample.
5. Rinse sampler after each use.

### How To Maintain:

1. When sampling is completed, rinse the sampler thoroughly to remove any soil, debris, chemicals and oils. Use a mild detergent when possible.
2. Do not store this, or other sampling equipment or net, when wet, damp or dirty.
3. Mold, mildew and metal corrosion may occur if instruments or nets are stored wet and/ or dirty.
4. Allow the sampler to air dry thoroughly before placing in storage.

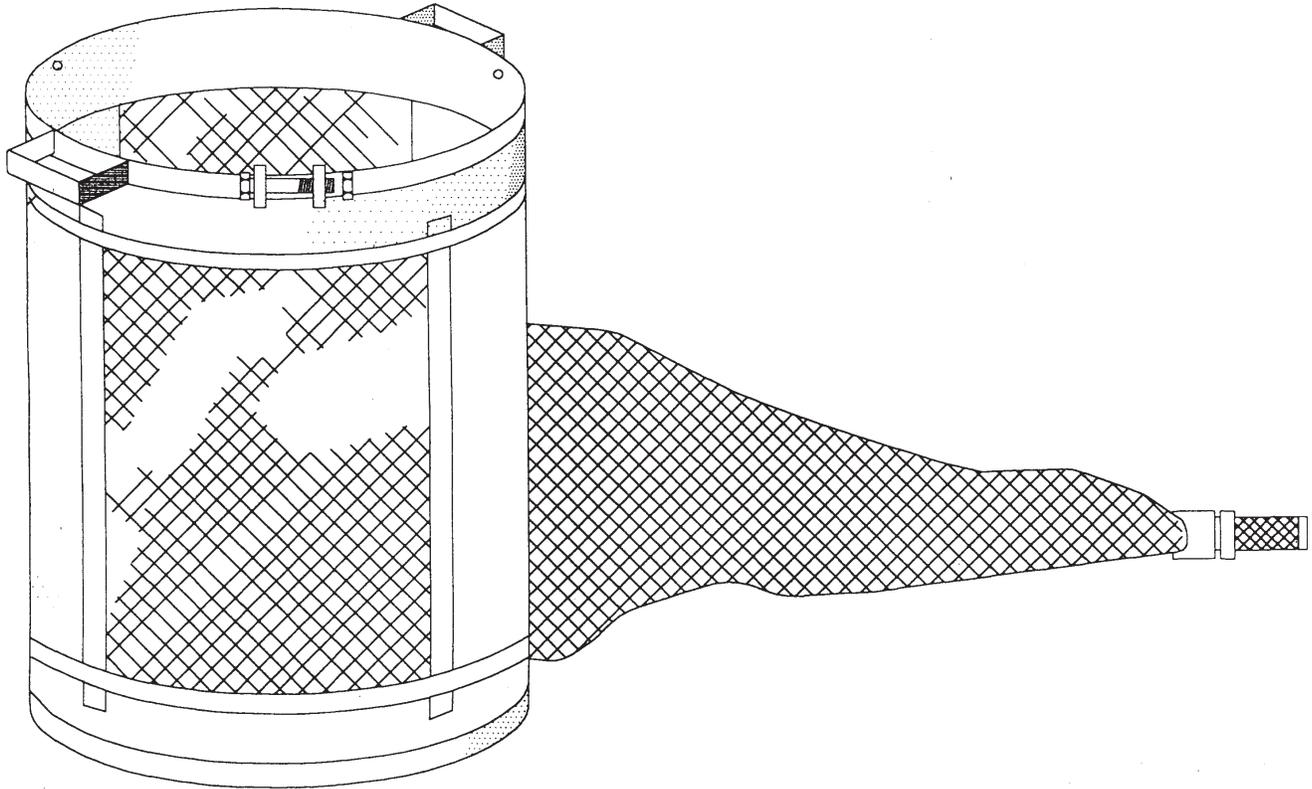
### Similar products from Wildlife Supply®:

#### Surber samplers

- For shallow streams less than 18"
- Available with your choice of Nitex® net

#### Ellis-Rutter Stream Sampler

- 0.1 m<sup>2</sup> sampling area - a larger alternative to the standard surber
- Recognized by the EPA
- Portable and easy to use - only 12 lbs in weight



### Hess Sampler replacement nets and accessories:

48-C60	Dolphin™ adaptor
47-C--	Dolphin™ collecting bucket (see catalog)
910-A26	Wood case for Hess samplers
39-B10	Flow Meter
39-B15	Flow Meter extension rod for stream sampling

#### Built to the original specs:

Our Hess sampler is a Canton modification first described by A.D. Hess in "New Limnological Sampling Equipment," 1941, Progressive Fish Culturist.

#### Order on-line

from our  
website at

[www.wildco.com](http://www.wildco.com)

#### P/N 031292

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**Warranty and Parts:** We replace all defective or missing parts free of charge. Additional replacement parts may be ordered toll-free. We accept MasterCard, Visa, checks and School P.O.s. All products warranted to be free from defect for 90 days. Does not apply to accident, misuse or normal wear and tear. Intended for children 13 years of age and up. This item is not a toy. It may contain small parts that can be choking hazards. Adult supervision is required.