

Surber Stream Bottom Samplers

(12-Series Operating Instructions)

Safety:

To prevent personal injury, keep fingers clear of the frame when closing!

Operation:

1. Open the frame and latch the movable braces.
2. Set the lower frame in the stream so that the net extends down stream with the current. Then seat the lower frame firmly on the stream bottom.
3. Stir up the stream bottom so that any animal life will float up and drift into the net.
4. Remove the sampler from the stream and wash your sample into containers to be taken back to the lab.

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, AmEx, checks and P.O.s from educational institutions and government agencies in good standing. All products warranted to be free from defect for 90 days. Does not apply to accident, misuse or normal wear and tear. These products are for use by professionals only or under their supervision. Purchaser is responsible for verifying suitability of Wildco® products before purchase.

Description:

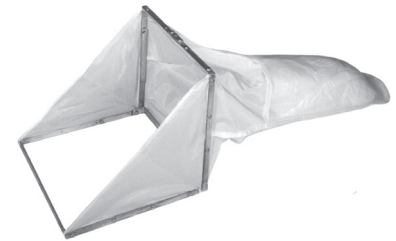
The Surber Sampler is the classic quantitative sampler for benthic invertebrates. Designed for shallow streams less than 18" deep, one advantage is its great portability. The end of the filtering area is large enough to insert your entire hand to remove specimens (9" diameter where the collar meets the filter area). The entire length (from collar to filter) is 24" long.

The Surber Sampler consists of two pivoting solid stainless steel frames and lockable brace latches to hold the frames at right angles to each other. The frames support the Nitex® net and hold it in place with stainless steel strips. The open base rests on the stream bottom and encloses an area 12 x 12".

The Sampler folds flat for storage or transportation.

Maintenance:

1. No sampling instrument or net should be stored when wet, damp or dirty.
2. When returned from sampling, rinse thoroughly to remove any soil, debris, chemicals and oils. Use a mild detergent when possible.
3. Mold, mildew and metal corrosion may occur if instruments or nets are stored wet and/or dirty.
4. Allow both the sampler and its case to air dry thoroughly before placing in storage.



Replacement Parts and Accessories:

We strongly recommend buying replacement parts before going into the field.

- 14-A20 Surber base extension, 6" each
 910-G22 Molded Plastic Case, Large (*Fits all surbers and extensions*)

Surber Stream Bottom Samplers

12-C80	Surber,	Standard	1000 µm Nitex Net	With Case
12-C82	Surber,	Standard	1000 µm Nitex Net	No Case
12-C85	Surber,	Standard	1000 µm	Net Only
12-C60	Surber,	Standard	600 µm Nitex Net	With Case
12-C62	Surber,	Standard	600 µm Nitex Net	No Case
12-C65	Surber,	Standard	600 µm	NetOnly
12-C50	Surber,	Standard	500 µm Nitex Net	With Case
12-C52	Surber,	Standard	500 µm Nitex Net	No Case
12-C55	Surber,	Standard	500 µm	Net only
12-C30	Surber,	Standard	363 µm Nitex Net	With Case
12-C32	Surber,	Standard	363 µm Nitex Net	No Case
12-C35	Surber,	Standard	363 µm Nitex	Net only
12-C20	Surber,	Standard	243 µm Nitex	With case
12-C22	Surber,	Standard	243 µm Nitex	No case
12-C25	Surber,	Standard	243 µm Nitex	Net only
12-C10	Surber,	Standard	800 µm Multifilament,	With Case
12-C12	Surber,	Standard	800 µm Multifilament,	No Case
12-C15	Surber,	Standard	800 µm Multifilament	Net Only

Surber Configurations:

Standard Surbers:

See the price list on page 4 for a listing of standard net sizes. These range from 363 μm to 1000 μm in Nitex® bolting cloth, the modern substitute for the classic silk, and 800-900 μm multifilament nylon.

Special Order Surbers:

a. Standard Surbers

- Other micron sizes on standard surbers are available on special order. Contact us for a quote, specifying micron size.

b. Tapered Surbers

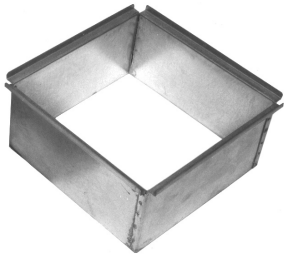
- Tapered surber nets with adaptor sleeves are available for use with our Dolphin Plankton Adaptor or Mini Dolphin Adaptor. Contact us for details.

Important Note: The EPA recommends 500 μm Nitex for macro invertebrates. Some states and projects, however, may require even smaller sizes. Smaller aperture sizes such as 425 and 363 μm have long been used in some areas to define the bottom limit of macro-invertebrates.

Surber Cases:

910-G22 Molded Plastic Utility Case, Large, is recommended for all surbers and surber extensions.

Made-to-Order Surbers available



Surber Base Extension (14-A20)

Description:

This accessory is 6" in height and is useful for sampling areas of fine, loose sediments. The base extension can be pushed into soft sediments to restrict the lateral movements of invertebrates out of the area to be sampled. After pushing the base extension into the stream bed, the surber sampler is set on top and sampling is done as

usual.

The base extensions are formed and welded of stainless steel for corrosion resistance. The corners are welded for further durability. They fit all **Wildco®** surber samplers.

Operating Instructions:

1. The Wildco® surber sampler base extension is used with the surber stream bottom sampler for taking more quantitative samples by restricting lateral movements of bottom organisms. In this way, you know you have sampled

all the animal life within the perimeter of the net.

2. To use, push the base extension firmly down into the stream. If small stones are present, located the base extension to avoid them.
3. When the base extensions has been pressed down as far as it will go, set the surber stream bottom sampler onto the top of the base extension and take samples as usual. The standard base extension height is 6" (150 mm).

P/N 031314

© Wildlife Supply Company. All rights reserved. Wildco® is a registered trademark of Wildlife Supply.

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.