

WAV Baseline Stream Monitoring Kit: Purchasing Guide

Last updated: July 2022

Questions? Found a better or more affordable source for these items?

Please let us know! Email WAV staff at wav@extension.wisc.edu.



Monitoring parameter	Item	Cost per unit	Supplier
Biotic index; Stream flow; Habitat assessment	D-frame aquatic net <ul style="list-style-type: none"> Get with minimum of 500 micron (μm) mesh Get a wood handle to be able to write on the depth measurements (10ths feet) with a sharpie. Or, get with a metal handle (Stock #53788) and purchase a yard stick separately (10ths feet). 	\$133.75	Forestry Suppliers (Stock #53770) Ward's Science (Product #470308-232)
Biotic index	White basin	\$3.00	<i>many options – prices vary</i>
Biotic index	White ice cube tray	\$2.74	<i>many options – prices vary</i>
Biotic index	Magnifying glass	\$2.78	<i>many options – prices vary</i>
Biotic index	Plastic tweezers, pipettes, plastic spoons, other picking tools	\$2.16	<i>many options – prices vary</i>
Dissolved oxygen	Hach Dissolved Oxygen Test Kit Model OX-2P <ul style="list-style-type: none"> Supplier currently has supply chain surcharges. Other companies like Fondriest Environmental that sell Hach products will also apply these surcharges. Expect significant shipping delays (i.e. months). One kit comes with enough chemicals for 100 tests. 	\$122.08	Hach Company (Product #146900)
Dissolved oxygen	Starch Indicator Solution (for Hach D.O. Test Kit) <ul style="list-style-type: none"> Purchase in 100ml bottles or in bulk 1L bottle to get a lower cost. Will need to purchase small 15-30ml plastic dropper bottles if buying the bulk Starch solution container. 	\$27.05	Hach Company (Product #34953)
Dissolved oxygen	Safety glasses	\$1.19	<i>many options – prices vary</i>
Stream flow; Habitat assessment	Measuring tape reel (50 or 100 foot length) <ul style="list-style-type: none"> Must have decimal feet (i.e. 10ths feet) 	\$18.25	Forestry Suppliers (Stock #39968)
Stream flow	Calculator	\$3.11	<i>many options – prices vary</i>
Stream flow	Stopwatch	\$2.71	<i>many options – prices vary</i>
Stream flow	Tennis ball	\$0.35	<i>many options – prices vary</i>
Stream flow; Habitat assessment; General	Wire flags (6 pack)	\$0.08	<i>many options – prices vary</i>
Transparency	Transparency (turbidity) tube (120cm) <ul style="list-style-type: none"> Must be 120cm 	\$49.64	School Specialty

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Monitoring parameter	Item	Cost per unit	Supplier
Water temperature	Thermometer <ul style="list-style-type: none"> • Purchase with units in Celsius • Get with the armor case to prevent breaking the glass in the stream 	\$10.00	Forestry Suppliers (Stock #77141) ; Cabela's (SKU #36126000)
General	Backpack	\$6.54	Wholesale Stockroom
General; Aquatic Invasive Species	Boot brush <ul style="list-style-type: none"> • We use horse hoof picks to clean gear and prevent the spread of aquatic invasive species. 	\$0.00	Wisconsin DNR/UW Extension AIS Program (free)
	Total	\$386	

Other notes and tips:

- Some of the larger or more specialty items may be temporarily out of stock or experience delays. Plan to order far ahead of time.
- Many of the smaller items can be purchased from local hardware or retail stores or other suppliers on this list. Prices will vary. Additional suppliers include:
 - Amazon.com: <https://www.amazon.com/>
 - Ward's Science: <https://www.wardsci.com/store/>
 - Fondriest Environmental: <https://www.fondriest.com/>