




VRMP SOP-01d. Volunteer River Monitoring Program -- Acceptable Water Sampling Equipment with Associated Parameters for Sampling from Bridges, Culverts, or Boats.

*** = For certain water samplers, a separate 2nd water sample must be collected for solids-related parameters.

Note: The mention of brand names does not constitute recommendation of a specific company. Also, "D. O." = dissolved oxygen and "Temp." = temperature.

Last modified: June 2, 2009


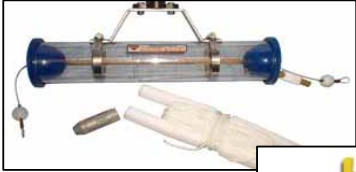


EQUIPMENT	PHOTO	EST. COST	Parameters													
			Dissolved Oxygen	Temperature	Specific Conductance	Bacteria	pH	Turbidity	Suspended Sediment Conc. (SSC)	Total Diss. Solids (TDS)	Chloride	Phosphorus (various types)	Nitrogen (various types)	Hardness	Alkalinity	Total Suspended Solids (TSS)
<p>MDEP Weighted Bacteria Sampler (and rope)</p> <p>[[Secure a sterilized bottle, or a sterile Whirl-Pak ® bag propped upright a small bottle, within the sampler; immerse upside-down in water and pull rope to turn bottle upright and fill with sample water.]]</p>		\$25			✓	✓	✓			✓	✓		✓	✓	✓	✓
<p>Discrete-Depth Water Sampler</p> <p>(Currently, either the MDEP 250-mL wide-mouth bottle modification of the Aquatic Research Instrument's (A.R.I.) D.O. water sampler for use with D.O. meters -or- A.R.I.'s or LaMotte's D.O. samplers, which use 60-mL bottles for use with D.O. kits.)</p> <p>[[For use with a D.O. probe, prop sampler upright on an upside-down bucket and insert & jig D.O. probe.]]</p>		\$125 - 175	✓	✓	✓		✓	***	***	✓	✓	✓	?	✓	✓	***
<p>Van Dorn Sampler ("Beta" Version Sampler)</p> <p>[[For D.O., prop sampler upright on an upside-down bucket and insert & jig D.O. probe.]]</p>		\$375	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

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<p>Kemmerer Sampler</p> <p>[[For D.O., prop sampler upright on an upside-down bucket and insert & jig D.O. probe.]]</p>		\$475 - 500	✓	✓	✓		✓	✓	✓	✓	✓	✓	?	✓	✓	✓
<p>Van Dorn Sampler ("Alpha" --or-- "Student" Version)</p> <p>[[For D.O., prop sampler upright on an upside-down bucket and insert & jig D.O. probe.]]</p>	  	\$80 - 250	✓	✓	✓		✓	✓	✓	✓	✓		✓	✓	✓	✓