


Clean Water Team Equipment Loan Library



Pictorial Inventory List 2010

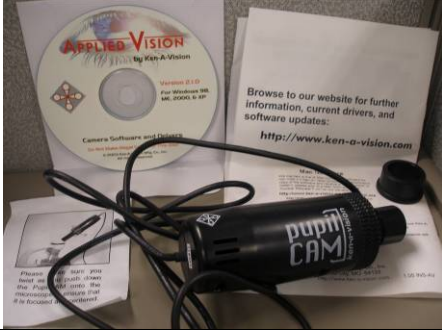

Loans of equipment are made to support citizen monitoring programs, and events. For short term loans of on hand water quality monitoring equipment please contact the Clean Water Team Citizen Monitoring Coordinator Erick Burres, eburres@waterboards.ca.gov, and fill out an equipment request form.

World Water Monitoring Day




<p>Water Monitoring Day Kit Contains: instruction booklet, Material Safety Data Sheet, 1 liter wide mouth sampling container for turbidity, 1 thermometer 14 to 40°C, 1 Dissolved Oxygen (DO) test tube 0125, 1 pH test tube 0106 10ml, pH Test Tabs ® 6459, DO Test Tabs ® 3976, 1 result color chart</p> <p><Only a few are left. DO test does not work.></p>	
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Workshop/Training Support Items



<p>SWAMP Field Methods Course Nov. 1, 2005 CD for free online course</p>	
<p>Swiftcam SWIIU0404228 With power supply, USB cable ID:SCMS-STB</p> <p><Great for benthic invertebrate taxonomy instruction.></p>	

<p>Pupil CAM Ken-a-vision No. 218955 With USB cable, instructions and CD software</p> <p><Great for benthic invertebrate taxonomy instruction.></p>	
<p>DiscoveryScope – hand held microscope DSCP-STB</p> <p><Great for field workshops that include basic benthic invertebrate taxonomy.></p>	





Water Samplers / Bottles

<p>“Student” Water Sampler www.thesciencesource.com ID: SAM-STB</p>	
<p>D.O. Water Sampler Code 3-0026 LaMotte ID: SAM-STB</p>	
<p>Latex free 20ml syringe</p>	








2 oz. Sampling Syringe	
5 mL. Sampling Syringe	
Latex free 60 ml Syringe Reorder No. 309654	
Latex free 5ml syringe	
Glass Droppers	
Turkey Baster <Sample Collector or for picking up benthic macro invertebrates> 1½ oz.	
500 mL/16 oz. Wide mouth NALGENE® sample bottles	
Sample Bag with Puncture Proof Tabs/sterile Nasco WHIRL-PAK™ bags Forestry Supplies ID: 79219 <u>4 oz. plain</u> 500 count / box	






<p>Sample Bag with Puncture Proof Tabs Nasco WHIRL-PAK™ Forestry Supplies ID: 23884 Reorder:(800)240-6373 <u>18 oz. plain</u></p> <p><Commonly used for Fecal Indicator Water Samples.></p>	
<p>Wide mouth plastic sample container (~500ml)</p> <p><Commonly used for benthic macro invertebrate samples.></p>	

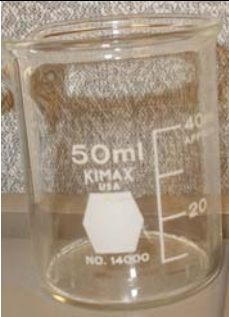

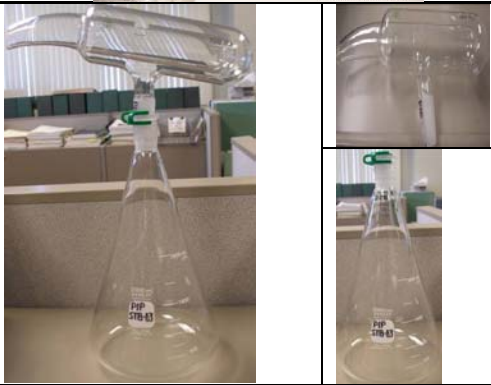

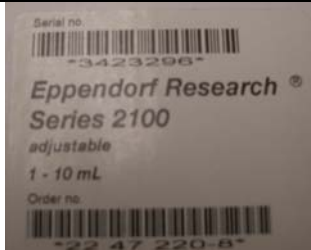
Laboratory Equipment and Supplies (Some items can be used afield.)


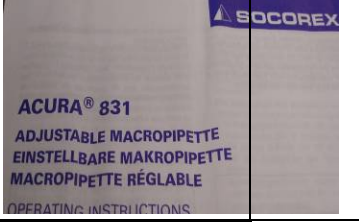



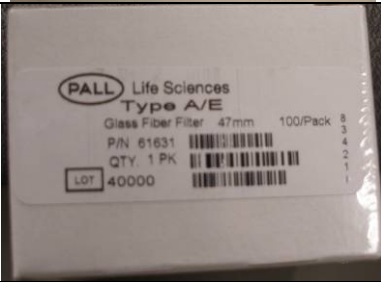

<p>Deionized water dispensing squirt water bottle, 500cc / 16 oz. Bel-Art Products Scienceware ® CAS-7732-18-5</p>	
<p>Disposable Powder-Free Latex Exam Gloves Fisher Scientific Small: 11-394-5A Medium: 11-394-5B Large: 11-394-5C X-Large: 11-394-5D</p>	
<p>Thermometer Glass (Kerosene) 1-101°C Cole-Parmer Instrument Co. Serial:1925</p>	
<p>Thermometer ERTCO Range: -20 to 110°C in 1° graduation Calibrated 05/08/1996, Test No.:152145 In protective case ID: TR-STB</p>	





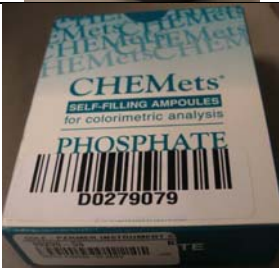
<p>Certified Thermometer (Partial Immersion) Traceable to NIST and DKD/PTB, with calibration certificate and protective foam. Range: -1 to 61°C, 0.1 Div., 76mm www.hbinstrument.com (800)4-test-lab Catalog No. 20528 14ct. 00132 ID: TR-STB (-1 to 51°C)</p>	
<p>Quanti-Tray Sealer, Model 2X IDESS (115 Volts) For fecal coliform bacterial test.</p>	
<p>Quanti-Tray/2000 Rubber Insert For Quantitated bacteria counts of 100 ml samples Barcode: 98-09480-00 (Supplied with the Quanti-Tray Sealer.)</p>	
<p>UV lamp 6 Watt long wave, 115Volts, 60Hz, 0.20Amps Model EA-160 Tube:BLE-480B Serial:1628505 (005) Serial: 1628596 (004) ID:UVL-STB (Used for IDEXX FIB tests and for Optic Brightener tests.)</p>	
<p>Safety glasses Model UVS-30 Conforms to ANSI Standard Z 87.1 ID: UVG-STB-005</p>	


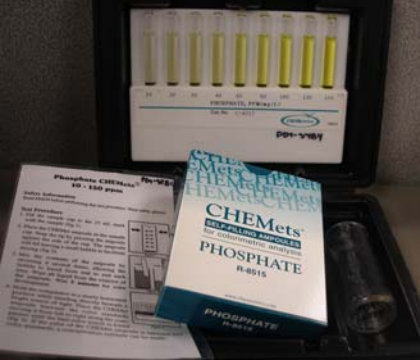



<p>Sterile IDEXX Quanti-Tray/2000 For Quantitated bacteria counts of 100 ml samples (counts from 1-2,419). www.idexx.com/water</p>				
<p>120 ml vessel with Sodium Thiosulfate, sterile, non fluorescent, with 100ml fill line Catalog No. WV120SBST-200 www.idexx.com/water</p>				
<p>ENTEROLERT™ Reagent Sample size format: 100 mL Time to results: <u>24 hours</u> Shelf life: Up to 12 months at 2-30°C Read: Sample fluoresces to indicate the presence of enterococci Expired reagent to be used to training</p>				
<p>Colilert®, 200 test for 100 ml samples Catalog No. WP2001 Coliform/E. coli Results in <u>24 Hours</u> Expired reagent to be used to training</p>				
<p>Colilert®, 200 test for 100 ml samples Catalog No. WP2001(-18) Colilert-18 is a test used for the detection of coliforms and E.coli in water that gives you results in <u>18 hours</u>. Expired reagent to be used to training</p>				
<p>Incubator, Type I42300, Series 423 Thermo Scientific, Model: 142325-120Volts (Provides a controlled temperature dry heat environment from 30°C to 42°C for culture tubes or Petri dish incubations) ID: INC-STB</p>	 <p>Model I37900 & I42300</p>	<p>http://www.storeonline.com/site/251298/page/43372</p>		

<p>MINI VORTEXER MW1 VWR Scientific 115V, 50/60 Hz, 31W Speed: 200-2500 RPM Fuses: 2x630 mA type T With instruction manual, power cable, standard solution preparation chart, touch pad, assy. (910)452-7059, reorder (80)932-5000 ID: VOR-STB</p>	 <p>A white mini vortexer with a black touch pad and a power cord. The device is labeled 'VOR-STB 1' and 'VWR Scientific MINI VORTEXER MW 1'. It is shown next to its instruction manual and a LaMotte 'PREPARATION OF STANDARD SOLUTIONS' chart.</p>
<p>Stir plate 10speeds Model No. S46415 120Volts, 0.23Amps, 20Watts, 60Hz Thermolyne Cimarec® 1 ID:STIR-STB</p>	 <p>A yellow stir plate with a white top and a control knob. The device is labeled 'Thermolyne Cimarec-1' and 'STIR-578'. It is shown with a power cord.</p>
<p>PYREX® 100ml No.5600</p>	 <p>A clear glass Pyrex beaker with a red scale and a blue cap. The beaker is labeled 'PYREX' and '100 ml'.</p>
<p>Plastic Beaker 1000ml Hach Company 108053</p>	 <p>A clear plastic beaker with a white scale and a white cap. The beaker is labeled '1000 ml' and 'HACH COMPANY'.</p>
<p>Glass Beaker 600ml Pyrex® No. 1000</p>	 <p>A clear glass Pyrex beaker with a white scale and a white cap. The beaker is labeled '600 ml PYREX' and 'No. 1000'.</p>






<p>Glass Beaker 50ml KIMAX No. 14000</p>	
<p>Repipet® II Dispenser 10ml with 1250ml Bottle Model No. 9010 ID:DIS-STB1</p>	
<p>Emeril Flask 2000ml Pyrex® No. 4980 Stopper No. 10 ID:PID-STB</p> <p>Stopper 100ml ID:PID-STB</p>	
<p>Repeater® Plus Pipette Cat. No. 022260201 Serial:3277576 Battery: CR2032 3V ID:PID-STB</p>	
<p>Eppendorf Research ®Series 2100 Adjustable 1-10ml pipette Serial:3423296 Patent:5,531,131 ID:PIP-STB</p>	







<p>Acura® 831 Adjustable Macropipette 0.5 to 5ml Cat No. 53499-605 Serial:14011082 ID:PID-STB</p>	 
<p>epT.I.P.S. Bulk 100-5000ml 100ct/bag Cat:2249208-8 Lot:T116289G 3604 1(800)645-3050</p>	
<p>1ml Sterile Pipettes IDEXX Part No. 98-06155-00</p>	
<p>25mm Type A/E Glass Fiber Filter 500/Pk Pall Corporation PN: 61630 Lot:35483</p>	
<p>47mm Type A/E Glass Fiber Filter 100/Pk Pall Corporation PN: 61631 Lot:40000. Lot:35834</p>	
<p>25mm Easy Pressure Syringe Filter Holder Gelman Laboratory PN:4320 Lot:A10316046</p>	






<p>Exact-Temp® Refrigerator Thermometer Range -5 to 15°C</p>	
<p>Nitrate – Nitrogen Test Procedure Cadmium Reduction Method Serial: 2388-3699 Model: 1200 ID:COL-STB</p>	
<p>Smart 2 Colorimeter, LaMotte Model: smart 2, RMN:26626 Serial No.:1383-4203 6V 500mA (410)778-3100 Operated by: electricity or battery 1 Battery: MN1604, 6LR61, 9Volts With operation manual and Protective case ID: COL-STB</p>	
<p>DR/820 Colorimeter Part No. 48400-60 With data-logging Colorimeter handbook and instrument manual ID:COL-STB</p>	
<p>CHEMets® Phosphate self filling ampoules For Colorimetric Analysis R-8515 ID:PO₄-STB6</p>	

<p>Nitrate R-6902 Accessory Pack A-6900 For analytical use only ID:NO₃-STB5</p>	
<p>CHEMets® Phosphate Test Kit 10-150 ppm range with self filling ampoules Model PO-150 Catalog No. C-8515 ID: PO₄-STB4</p>	
<p>CHEMets® Nitrate kit, K-6902 Range 0-1 & 1-5 ppm ID: NO₃-STB10</p>	
<p>Self-filling Ampoules for Nitrate colorimetric analysis R-6902</p>	
<p>Ammonia Nitrogen Test Kits: To measure total ammonia Missing reagents (Lamotte Ammonia Nitrogen Reagent is needed) ID: NH3-STB</p>	





<p>Nitrate Test Kit: NO3-STB To measure nitrate concentrations Missing reagents (need LaMotte Nitrate Reagents)</p>	
<p>Phosphate Test Kit: To measure phosphate concentrations Missing reagents (Lamotte Phosphate Reagents are needed) ID: PO4-STB</p>	
<p>Hand Held Fluorometer Aquafluor Model:8000-010 Channel A: UV-445, Channel B: BLUE-515 Serial No.: 800656 Batteries 4xAAA (1.5V) With operating procedure <For optic brighteners and chlorophyll A.></p>	
<p>Cuvettes – Methacrylate Box of 100 Part No.: 7000-959 www.turnerdesigns.com <For use in the fluorometer.></p>	
<p>QwikLite™ with USB cable Model: QL-200 Serial:4125-581139 In Protective case <CWT toxicity demos and snapshot events for your group.></p>	






<p>Microscope Series: M27 Tri Power (Dissecting microscope).</p> <ul style="list-style-type: none"> ▪ Magnification options of 1X, 2X, 3X or 1X, 2X, 4X - click stop. ▪ Paired WF 10X eyepieces-locked on, includes eyeshields. ▪ Left eyepiece diopter. ▪ 45° inclined body, rotatable 180°. ▪ Locked on stage clips. ▪ Equipped with reversible B/W stageplate and frosted stageplate. ▪ Top & bottom illumination, UL Listed, 3-wire grounded cord. ▪ Comes standard with dust cover and care manual. <p>ID:MS-STB M27B-123 ID:MS-STB Acord Naturalist (800)422-8886 #T-14022</p>	
<p>Tray with grids, Item:182-D10 Wildlife Supply Co. (800)799-8301 ID:TRY-STB</p>	
<p>Tally Counter 4 digits tally register ID:TMR-STB</p>	
<p>Reagent Grade Glycerol (Glycerin) ~500ml Code No. 1205 Lot. No. 081786 CORCO</p>	
<p>Teasing needle ID: MTS-STB</p>	








<p>Wood block with 8 test-tube holder slots ID:STB</p>	
<p>Vials, shell with closure Box 144ct Kimble glass Inc. Art. No. 60965D 1 Size/cap 15X45mm 1DRAM</p>	
<p>Single edge razor blades No.12</p>	
<p>Vial (test tube) stoppers</p>	
<p>Glass Genitalia Vials Glass micro vials with stoppers 5mm diameter (4mm I.D.)x15mm long 100 ct. bag</p>	
<p>Burette Vertical glassware for volumetric analysis for Winkler DO</p>	







<p>Burette Stand for Winkler DO</p>	
<p>Nalgene® Self-Zeroing Burette Kit for Winkler DO Cat. No. 3645-2550</p>	
<p>Clamp, Burette, Single Burette Clamp for Winkler DO www.belart.com</p>	
<p>Burette stopcock for Winkler DO</p>	
<p>Small spatulas</p>	



Field Equipment & Supplies

<p>Vital Signs (Temp, Turbidity, pH, Conductivity, Dissolved Oxygen)</p>	
<p>Thermometer 0-50°C, in protective casing ID:TR-STB</p>	
<p>Secchi Disk Submersible Turbidity weight with long cord (To be used with a tape measure) ID:SEC-STB</p>	
<p>Turbidity tube (Transparency tube) 1.22 meters = 49½” long, 2” diameter ID: TRT-STB 49½” long, 2” diameter</p>	
<p>2100P Turbidimeter, Product No.: 46500-00 Serial No.: 07010C020966 Operated by: electricity or 4xAA batteries 6-9V, 0.5A In protective case with standards kit, sample cells, instrument and procedure manual. Hach Company (970)669-3050 ID: TUN-STB</p>	

<p>HACH Pocket Turbidimeter NTU/FNU Cat. No. 52600-00 With manual Serial:101500003782 Part:52600-60 ID: TUN-STB</p>	
<p>pH test strips 4.5 to 10 range Whatman® pH indicator paper, Type CF Cat. No. 2614 991 100strips/box ID:PHST-STB</p>	
<p>pH Tester 1 waterproof double junction OAKTON Instruments in protective case ID:PHEL-STB34 pH Tester 3 ID:PHEL-STB pH Tester 2 ID:PHEL-STB</p>	
<p>pH Tester 3™ with ATC 59000 Series Calibration Kits Battery operated (A76 X 4batteries) ID: PHEL-STB</p>	
<p>Conductivity Tester Meter Water proof ECTester High OAKTON® With instructions and case Range: 0 to 19.90 mS Barcode 35661-41 Forestry Supplies 76441 ID: EC-STB</p>	

<p>EC Tester. Low waterproof 0-1990 μS ID:EC-SDBK</p>			
<p>Total Dissolved Solids - TDS Tester 3™ with ATC 0 to 1990 μS Cole-Parmer® 1(800)323-4340 Batteries: 4x GPA76 ID:EC-STB</p>			
<p>Salinity Meter Acorn Series SALT 6 Serial No. 200697 AND 1205841</p>			
<p>Portable Refractometer Salt Refractometer 0 to 100 ppt. with ATC 300011 SPER SCIENTIFIC ID: REF-STB</p>			
<p>Dissolved Oxygen K-7512 CHEMets® Kit Cat. No. C-7512 For Colorimetric analysis Includes hard case, instructions, material safety sheet ID:DOC-STB</p>			
<p>Dissolved Oxygen Modified Winkler Titration LaMotte Kit ID:DOW-STB</p>			
<p>YSI Model 55 Handheld DO, and Temperature System with operations manual 6xAA batteries ID:DOE-STB</p>			

<p>YSI Model 85 Handheld DO, Conductivity, Salinity and Temperature System with operations manual 6xAA batteries ID:DOE-STB</p>	
<p>HQ10 HACH Portable LDO™ Dissolved Oxygen Meter Cat. No. 5181500 In hard protective case, with instructions manual Batteries: 4xAA ID:DOL-STB</p>	
<p>LDO™ Docking Station HACH Portable LDO™ Part:51830-60 Serial: 050300000895 ID:DOL-STB</p>	
<p>Hach Potable LDO™ HQ10 Dissolved Oxygen Meter Part: 51815-00 ID:DOL-STB</p>	
<p>Hach Portable LDO™ LDO™ Sensor & Update Module Part: 51697-00</p>	
<p>Desiccant Cartridge for Hach Portable LDO Probe Storage Cat: 51889-06 6/pk</p>	
<p>YSI 5906 Membrane Cap Kit Lot:02K0301 ID:DOE-STB</p>	

<p>YSI Oxygen Membrane Replacement Kit YSI Model:5775 ID:DOE-STB</p>	
<p>Oakton[®] DO meter membrane replacement tool ID:DOET-STB</p>	

Equipment for Length and Depth Measurements


<p>Survey flags 21" long stake Orange = 77 count Yellow = 73 count</p>	
<p>Flagged Washers FWM-STB</p>	
<p>Stakes (9 inch)</p>	
<p>Tape Measure – Open Reel CEN-TECH SKU#P36819 100 meter / 330 feet ID: MES-STB</p>	

<p>Tape Measure – Open Reel KOMELON® Item Number 6611 100 feet</p>	
<p>Tape Measure KESON® Model OTR-15M 15 meter ID: MES-STB</p>	
<p>Stream Gauge (extendable) <u>-5ct.total-</u> SRV-16-Tenths Model:90343 CRAIN ENTERPRISES, INC. Part:97344 Patent:5,070,620 ID: ROD-STB SRV-5 meters CRAIN ENTERPRISES, INC. Part # 97514 Patent# 5,070,620 ID: ROD-STB SRV-8 meters SOKKIA Fiberglass Rod. Patent# 4,318,228 ID: ROD-STB</p>	
<p>Sounding Weight SWT-STB</p>	



Flow/Current Measuring Devices

<p>Price AA Current meter with instructions, care manual and laminated measurement chart. In protective hard case with padding. Forestry Suppliers, Inc. 1(800)647-5368 www.forestry-suppliers.com ID: CM-STB</p>	
<p>Marsh-McBirney Flo-Mate Propellerless current meter ID: CM-STB</p>	
<p>General Oceanic Digital Flowmeter Mechanical & Electric Operators Manual Product No.: 2030R6, Serial No.:22816 www.generaloceanics.com (305)621-2882 ID: FLOW-STB (One for slow flows and one for higher flows.)</p>	


Equipment for Bioassessment and Physical Habitat Monitoring

<p>D-frame kick net 500 micron BioQuip ID: DKN-STB</p>	
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<p>Sieve No. 35 Diameter 8½”, Height 3” 500 micron mesg ID: SVE-STB</p>	
<p>4Qt. 10”x14” Baker Carlisle Item:7920-02 ID:TRY-STB</p>	
<p>Spring Steel Tweezers -BioQuip</p>	
<p>Pointed Tweezers 4A-INOX rubis switzerland</p>	
<p>Modified 17 Point Spherical Convex Densimeter Forestry Suppliers, Inc. ID: SD-STB</p>	
<p>Surveying Products Leveler SOKKIA 8045-20 With padded case ID:LVL-STB</p>	

<p>Combined Compass & Clinometer Suunto Tandem 1(800)543-9124 706680 ID:COM-ST</p>	
<p>MC-2D Navigator Suunto Compass Accurate Bearing Whenever you Need them Adjustable declination correction scale Built-in clinometer Inches, mm 1:25,000 1:50,000 scales Extra large luminous markings Clean anti-skid rubber pads Large sighting mirror, 50% more accurate reading than non-mirrored models Locking lid with extra strong hinge ID:COM-STB</p>	
<p>Field Sieve/Gravelometer Albert Scientific Forestry Suppliers 53250 www.stream.fs.fed.us (guide spread sheet) ID: GRV-STB</p>	
<p>La Motte Alkalinity Test kit Direct reading titration method with instructions and material safety data sheet Model WAT-DR Lot:188430 ID: ALK-STB</p>	





Health and safety



<p>Windshield Outdoor Lotion 7g x 25puoches Skin sealant for harsh weather conditions Item 27630 800-356-783 Reorder#109201 ID:WSL-STB</p>	
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Miscellaneous

<p>Garmin GPS Model 76S GPS-STB1</p>	
<p>Garmin® Map Source CD-ROM Maps 3 CDs with users manual and reference guide “Map Source-Topo-VERSION 3.02” Create waypoints and routes on you PC and transfer them to your GARMIN GPS.</p>	
<p>Energizer Watch/electronic Batteries 357BP 357/303, 1.55V, 00028 6bat/box</p>	

Instruments available for extensive loan/ keep. Some items may not be in immediate working condition.

Fisher Scientific Glass Pipets		
100 mL Kimax Beakers		
Dissolved Oxygen Meter DOM-SDCK-CWT		
HACH Spectrophotometer DREL/2000 SPEC-SDCK-01-CWT		

<p>HACH 2100P Turbidimeter TURB-SDBK-01-CWT</p>	 A handheld HACH 2100P Turbidimeter, model TURB-SDBK-01-CWT. The device is white with a blue LCD screen and a keypad. It features a carrying handle at the top and a circular sample cell at the bottom.	
<p>Filters</p>	 A white plastic tray containing numerous circular, light-colored filters. The filters are arranged in rows, and one filter is placed in the center of the tray for display.	