

| QTY | INSTRUMENT |
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| | ANALYTICAL CHEMISTRY |
| 1 | Soluble Organic Concentrator, Separation Engineering, 2-1/2" model 10380 |
| 1 | Total Organic Carbon Analyzer, Shimadzu TOC-V |
| | BALANCES |
| 1 | Balance, Cahn model 31 micro electro balance, RS232, 1250mg/10ug, 250mg/1ug, 25mg/0.1ug |
| 3 | Balance, Mettler PM4600, RS232, top loading, delta-range, 3600g or 600g/0.01g |
| 1 | Balance, Mettler PM4000, 3600g/600g in 0.01g |
| 1 | Balance, Mettler-Toledo AG204DR, 0-210g in 0.1mg |
| 1 | Balance, Mettler-Toledo XS205DU 0-220g capacity, 0.001/0.01g |
| 1 | Balance, Mettler-Toledo XS205DU 0-220g capacity, 0.001/0.01g |
| 2 | Balance, Mettler-Toledo PG4002-SDR, 0-5100g capacity, 0.001/0.01g |
| 1 | Balance, Mettler-Toledo XS6002S 1200-6100g capacity, 0.01g |
| 1 | Balance, Mettler-Toledo XP26DR 0-22g capacity, 0.002mg |
| 1 | Balance, Ohaus, top loading, 300g/ 1g |
| 1 | Balance, Ohaus model D-5, top loading, portable, 20kg max |
| 6 | Balance, Ohaus triple beam, 700 series, 0-610.0g |
| 1 | Ohaus Harvard trip, double pan 2kg capacity |
| 3 | Monostat double beam balance |
| 5 | Spring scale, Homs, with zero adjustment, 200g x 2g |
| 3 | Spring scale, Homs, with zero adjustment, 1000g x 10g |
| 1 | Spring scale, Pesola, with zero adjustment, 2500g x 50g |
| 1 | Spring scale, Pesola, with zero adjustment, 10kg x 100g |
| 2 | Spring scale, Pesola, with zero adjustment, 20kg x 250g |
| 4 | Spring scale, Ohaus, 2000g x 250g |
| 5 | Spring scale, Ohaus, 500g x 20g |
| 5 | Spring scale, Ohaus, 250g x 10g |
| 1 | Weight set, Class M Metric, 1-1000mg, 15pc |
| 1 | Weight set, Ohaus, 100-1000g |
| 1 | Weight set, 1-50g and 1-500mg |
| 1 | Weight set, Ohaus, 1-50g |
| 1 | Weight set, 1-1000g, 13pc |
| | CENTRIFUGES |
| 1 | Centrifuge, Beckman J2-M1, refrigerated, -20 to ambient, 17k RPM |
| 1 | Centrifuge, Beckman J2-M1, refrigerated, -20 to ambient, 17k RPM |
| 1 | Rotor JA-10, fixed 10kRPM, 6 x 500 mls |
| 1 | Rotor, JA-14, fixed 14kRPM, 6 x 250 mls |
| 2 | Rotor, JA-17, fixed 17kRPM, 14 x 50 mls |
| 1 | Rotor, JA-13.1, swing 13kRPM, 6 x 50 mls |
| 1 | Centrifuge, Beckman TLX, benchtop, 120kRPM |
| 1 | Rotor, TLA-100.3, 6x3.5ml 100kRPM |
| 1 | Rotor, TLN-100, 8x3.9ml 100kRPM |
| 1 | Rotor, TLS-55, 4x2.2ml 55kRPM |
| 1 | Centrifuge, Beckman Optima XL-80 Ultra, refrigerated, 80kRPM |
| 1 | Rotor, SW-28, swing 6x39ml |
| 1 | Rotor, 50.2, fixed 12x39ml |
| 1 | Rotor, 70.1, fixed 12x13.5ml |

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| 1 | Rotor, SW41 Ti, 6x13.2ml |
| 3 | Centrifuge, Clay Adams Dynac II, model 101 |
| 2 | Angle Rotor 0085, 2.4kRPM, 4x50ml |
| 2 | AngleRotor 0091, 2.4kRPM 24x15ml |
| 2 | Bucket Rotor 0065, 2.3kRPM 4x100ml |
| 2 | Bucket Rotor 0065, 2.3kRPM 8x15ml |
| 2 | Bucket Rotor 0085, 2.7kRPM, 4x50ml |
| 1 | Centrifuge, Clay Adams Readacrit, model 0593 |
| 1 | Centrifuge, Savant Speedvac model AES2010 |
| 1 | Rotor, RH50-2860, 60x20ml scint vials |
| 1 | Centrifuge, Savant Speedvac model DNA100 |
| 1 | Rotor, RD24, 24x1.5mls |
| 1 | Rotor, RD48, 48x0.5mls |
| 1 | M24, 24-Place Micro-Hematocrit Centrifuge: request capillary tubes separately |
| 1 | Zipocrit Portable Micro-Hematocrit Centrifuge: request capillary tubes separately |
| 3 | Microcentrifuge, Eppendorf 5415C, benchtop, 1-14kRPM, 18 place 1.5ml vial rotors |
| 2Rad | Microcentrifuge, Eppendorf 5415D, benchtop, 1-13200RPM, digital, 24 place 1.5ml vial rotors |
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| | CHROMATOGRAPHY |
| 1 | Column, 25mm ID, glass |
| 2 | Column, 50mm ID, glass |
| 4 | Column, 25mm x 1200mm long, glass, LH-20 |
| 4 | Column, 50mm x 1200mm long, glass, LH-20 |
| 1 | Column Heater, Eppendorf Model CH-30 |
| 1 | Fraction Collector, Autosampler, Perkin-Elmer Model A40 |
| 1 | Fraction Collector, Gilson, Model FC-204 |
| 1 | Fraction Collector, Gilson Model FC-205 |
| 4 | Rack for Gilson FCs, Poly, Code 24, [14] 20ml scint vials |
| 5 | Rack for Gilson FCs, Poly, Code 21, [60] 13 x 100mm tubes |
| 5 | Rack for Gilson FCs, Homemade Poly, Code 22, [44] 13 x 100mm tubes |
| 5 | Rack for Gilson FCs, Poly, Code 23, [44] 6.8ml scint vials |
| 4 | Rack for Gilson FCs, Steel, Code 29LE, [60] 1.5ml Eppendorf tubes |
| 1 | Fraction Collector, Isco Foxy |
| 1 | Gas Chromatograph, Agilent 6890N |
| 1 | DeskPro EN HP Computer (dedicated to GC) |
| 1 | HPLC, Hewlett Packard 1200 series |
| 2 | Preparative Pump |
| 1 | Autosampler |
| 1 | Autosampler Thermostat |
| 1 | Thermostatted Column Compartment |
| 1 | Diode Array and Multiple Wavelength Detector |
| 1 | Manual Injector |
| 1 | D510C Compaq EVO computer (dedicated to Agilent 1200 HPLC) |
| 1 | HPLC, Hewlett Packard 1100 series |
| 1 | Degasser, G1315A |
| 2 | Autosampler, G1329A |
| 1 | Thermostat, G1330B (for autosampler) |
| 1 | Quaternary Pump, G1311A |
| 1 | Column Compartment, Heated, G1316A |

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| 1 | Diode Array Detector (DAD), G1315A |
| 1 | Variable Wavelength Detectoe (VWD),G1314A |
| 1 | Fluorescence Detector (FLD), G1321A |
| 1 | Manual Sampler, G1328A |
| 1 | D530 HP Compaq Computer (dedicated to Agilent 1100 HPLC) |
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| | COMPUTERS |
| 1 | DHE Max PPC P2 computer for legacy uses |
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| | ELECTROCHEMISTRY: |
| 1 | Conductivity Meter, YSI Model 3200, temperature compensated |
| 1 | Conductivity cell, YSI 3254 Model C, fill style, K=1.0/cm |
| 1 | Conductivity cell, YSI 3253 Model B, dip style micro cell, K=1.0/cm |
| 2 | Conductivity Meter, Spectrum Field Scout Direct Soil EC probe |
| 1 | Dew Point Microvoltmeter, Wescor Model HR-33T, with sample chambers |
| 1 | Meter, Dissolved Oxygen, YSI model 58, digital, 0-20.00 mg/l |
| 2 | Probe, dissolved oxygen |
| 1 | Meter, Moisture, Dynamax TH20, for soil |
| 1 | Meter, pH, Spectrum IQ150, w/ 2 probes |
| 1 | Meter, pH, Oakton Model pHTestr 2 w/ ATC |
| 4 | Meter, pH, VWR SympHony SP90M5 with pH electrode, dissolved oxygen electrode and conductivity electrode |
| 2 | Osmometer, vapor pressure, Wescor 5500, 0-1,999 mmol/kg |
| 1 | O2 monitoring system, fiber optic, INSTECH Model 210 |
| 1 | ph meter, copenhagen model PHM83 |
| 3 | ph probes for copenhagen ph meters |
| 2 | Refractometer, AO Model 10419, temp compensated |
| 1 | Respirometer, Sable/Ametek S 3A/1 O2/CO2 monitor system includes: |
| 1 | O2 analyzer, Sable System Model S-3A/1 |
| 1 | O2 analyzer, Ametek S 3A/1 |
| 1 | 2-channel mass flow controller for Sable/Ametek system |
| 1 | Sub-sampler for Sable/Ametek respirometer system |
| 1 | 16-channel interface for Sable/Ametek respirometer system |
| 1 | Flow meter, Sierra Inst., for Sable/Ametek respirometer sys |
| 1 | O2 signal conditioner for S/A respirometer |
| 1 | CO2 signal conditioner for S/A respirometer |
| 1 | Baseline controller for S/A respirometer |
| 2 | Flow controller for S/A respirometer |
| 3 | O2 sensor, Ametek N-22M/SO |
| 1 | CO2 sensor, Li-cor Model LI-6251 |
| 13 | U-shaped drying tubes for respirometer |
| 1 | Salinometer, Guildline portasal model 8410 |

ELECTROPHORESIS:

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| 1 | Calorimeter, Shimadzu Model DSC-50 |
| 1 | Thermal Analyzer for use with Calorimeter |
| 1 | Camera System, for electrophoresis, Polaroid MP4+ |
| 1 | Camera, Electrophoresis, Polaroid Model FB-PDC-34 |
| 1 | Camera, EPI Gel Documentation System, Kodak Digital EDAS 290, also for microscope work |

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| 1 | VWR Maxi 20 Electrophoresis system, includes 1 20x20 gel tray, 1 set of casting dams, two 20-tooth combs, two 40-tooth combs and electrical leads |
| 1 | 20x20 gel tray (stored with Maxi 20 unit) |
| 1 | Casting dams (stored with Maxi 20 unit) |
| 1 | Hoefer Scientific, HE 99X Max Horizontal Submarine Unit |
| | 15 x 20 cm gel casting kit (casting tray and running tray), 15-well comb 1.5 mm thick and comb back. |
| 1 | Hoefer Scientific, 15x15cm Gel Casting Kit, for use with HE99X |
| 1 | Hoefer Scientific, 15x10cm Gel Casting Kit, for use with HE99X |
| 1 | BioRad Sub Cell 96, 25x10cm |
| | Includes casting gates, gel caster, 25x10 UVTP Tray, 26 and 51 well combs and 1 comb holder |
| 3 | Cell, Bio Rad, Minisub |
| 1 | Fisher Scientific 20x20cm Vertical Gel Chamber |
| 1 | Fisher Scientific 16x14 cm Vertical Gel Chamber and Gel Caster |
| 2 | Fisher Scientific 10x10 cm Vertical Gel Chamber and Gel Caster |
| | Fisher Scientific 10x10 cm Vertical Gel Chamber and Gel Caster |
| 1 | Cell, Bio Rad Dualslab Model Protean II 165-2940, 16 cm |
| 3 | Chamber, Gelman Model 51211 |
| 1 | Electrophoresis system, DGGE Dcode denaturing gradient gel |
| 1 | Electrophoresis System, Multiphor II |
| 2 | Hoefer Transphor System, TE42 |
| 1 | Hoefer Gradient Maker, 30 mL |
| 1 | Hoefer Gradient Maker, 500mL |
| 1 | Hoefer SlotBlot Vertical Electrophoresis System |
| 1 | Hoefer PlateMate Plate Washing System |
| 4 | PlateMate Baskets, holds 10-18cm or 20-8cm plates |
| 1 | Slab, Vertical unit, Hoeffer Model SE600-15-1.5 |
| 1 | Electroporation system, BIO RAD Gene Pulser II w/ Pulser Controller and Capacitance Extender |
| 1 | Gel air dryer, Easy Breeze, Hoeffer Model SE-1200 |
| 1 | Gel slab dryer, Bio Rad Model 224 |
| 1 | Light box, IFR 11-17, with variable control cool lighting |
| 1 | Light system, Transilluminator, Fotodyne Model 3-3000 |
| 1 | Light system, Transilluminator, Ultra-Lum Model |
| 1 | Light System, UV Crosslinker, Multilinker, Ultra-Lum Model UVC515 |
| 1 | Light System, UV/Vis lighting system, Fotodyne Model 3-4700 |
| 1 | Light system, Variquest Model UV470 |
| 1 | PCR Thermal controller, MJ Research PTC-100-60 |
| 1 | PCR Thermal controller, Thermo Hybaid PCR Express |
| 1 | Power Supply, BioRad 250/2.5, 250V |
| 1 | Power supply, E-C Apparatus Corp Model EC500, 2000V |
| 1 | Power Supply, EPSCO Model H, regulated DC |
| 1 | Power supply, Gelman Model 38206, 500V |
| 1 | Power supply, Gelman Model 38520, Deluxe, 500V |
| 2 | Power Supply, BioRad PowerPac, 250V, 3.0A, 300W |
| 1 | Power supply, Grass Instruments stimulator Model SMD9EF |
| 1 | Power Supply, Hoeffer Scientific PS101, 50V |
| 1 | Power Supply, Hoeffer Scientific PS-500X, 500V |
| 1 | Power supply, MRA Corp M158, 2000VDC |
| 1 | Power Supply, MRA Corp M161, 4000VDC |

| | ENVIRONMENTAL |
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| 1 | Bath, Labline Model 26103, Tissue Float Lowboy, ambient - +70C, 2.3L |
| 2 | Block Heater, Labline |
| 1 | Chiller, Thermo Neslab CC65 Immersion Cooler |
| 3 | Circulator, Immersion, Braun Thermomix 1419 |
| 5 | Circulator, Immersion heater, Fisher & VWR Model 1122 |
| 2 | Evaporator, Buchi RE 121, rotovap |
| 2 | Evaporator, Pierce Reacti-therm, with Reacti-vap Model 18780 |
| 1 | Freeze Dryer, Virtis 25EL |
| 2 | Freeze Dryer, Virtis Feezemobiles |
| 1 | Hood, Laminar Flow, Baker Space Saver IV-22 |
| 1 | Hood, Laminar flow, Bellco 8041-8300 |
| 5 | Hood, Fume, Labconco conventional, permanent |
| 1 | Max Q Mini 4450 Benchtop Incubator/Shaker |
| 1 | Incubator/Shaker Rack for 42- 15ml tubes |
| 2 | Incubator/Shaker Rack for 42-15ml tubes |
| 1 | Incubator/Shaker Rack for 12- 50ml tubes |
| 1 | Incubator, Millipore bacteriological, 27-60C, for field water testing |
| 1 | Incubator, Hach bacteriological, benchtop |
| 2 | Light banks, homemade, used in aquarium |
| 1 | Oven, Blue M Incubator, Model 200A, 35-65 degrees, dry type, gravity convection |
| 4 | Oven, Fisher Forced air Iso-Temp, Model 615F, 1.5cu.ft |
| 1 | Oven, Fisher Forced air Iso-Temp, Model 650G, 5cu.ft |
| 1 | Oven, microwave, GE |
| | Sand bath / Frame Warmer, AO |
| 1 | Waterbath, Fisher versa-bath 137, ambient to 100C, 12L capacity |
| 1 | Waterbath, Fisher versa-bath 130, ambient to 95C, 6L capacity |
| 2 | Waterbath, Neslab RTE-7, digital, circ, -25 to 150C, 7L |
| 1 | Waterbath, Thermo Neslab, RTE-740, digital circ, -40 to 200C, 7L |
| 2/1R | Waterbath, Thermo Neslab, RTE-17, digital, circ, -22 to 150C, 17L |
| 1 | Waterbath, Neslab RTE-110D, circ, -30 to 130C, 7L |
| 2 | Waterbath, Neslab RTE-111D, circ, -25 to 150C, 7L |
| 2 | Waterbath, Neslab RTE-210A, circ, -20 to 100C, 12L |
| 1 | Waterbath, Neslab RTE-210A, circ, -28 to 130C, 12L |
| 1 | Waterbath, Neslab, RTE 211D, circulating, 12L |
| 1 | Waterbath, Julabo F34-HE, circulating, 20L |
| 2 | Water bath, New Brunswick G-76, heated/shaking, with clamps for 25, 125 and 250ml flasks |
| 4 | Water bath, open, acrylic, 21L |
| 4 | Water bath, open, acrylic, 21L |
| 4 | Water bath, open, acrylic, 21L |
| 2 | Water bath, open, acrylic, 21L |
| 2 | Waterbath, Precision Model 183, 11L, heated to 100C |
| 1 | Waterbath, Precision Model RDL 20, circ. |
| 1 | Waterbath, Yamato YB-521 |
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| | MICROSCOPES: |
| 1 | Camera, Microscope, Sony DXC-390, 3CCD, allows real time still or video |
| 1 | Camera, Zeiss MC80 with control panel |

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| 1 | Camera, Zeiss MC35 with Winder and MC63 control box |
| 1 | Camera, Zeiss MC35 F |
| 2 | Cold plate, Thermoelectric Unlimited, CP-2 |
| 1 | Nikon E800 DIC Microscope, Epifluorescence Phase Contrast, includes 10x, 20x, 40x, 60x (oil) and 100x (oil) objective lenses |
| 1 | Filter, Chroma set for DAPI/Hoechst/AMAC, 31000 |
| 1 | Filter, Chroma exciter set |
| 1 | Filter, Chroma set for FITC/Bodipy/Fluo3/DiO, 31001 |
| 1 | Filter, Chroma set for TRITC/Dil/Ethidium Bromide, 31002 |
| 1 | Filter, Chroma Wide Band Blue, 11012v2 |
| 1 | Filter, Chroma set Triple DAPI/ FITC/ Texas Red, 96166M |
| 1 | Filter, Chroma set Triple DAPI/ FITC/ Rhodamine, 96196M |
| 1 | SPOT Diagnostic digital camera, Model 1.3.0 |
| 1 | Microscope, Wild M40, inverted, darkfield, phase contrast |
| 1 | Power supply, Wild MTR-22 |
| 1 | Microscope, Zeiss STD 16 WL, epifluorescent, darkfield, phase contrast |
| 1 | Microscope, Zeiss STD 16, epifluorescent, darkfield, phase contrast |
| 1 | Microscope, Zeiss STD 16, no epifluorescent, darkfield, phase contrast |
| 2 | Power Supply, P/N 0910759 |
| 2 | Arc lamp power supply, P/N 0910426 |
| 1 | Microscope, Zeiss STD 16 binocular, phase contrast, darkfield |
| 2 | Power supply, P/N 050-261 |
| 1 | Mercury arc lamp power supply, P/N 0910235 |
| | Power supply, P/N 050-261 |
| 5 | Microscope, Wild M3C, dissecting stereomicroscope |
| 2 | Microscope, Wild M5, field dissecting stereomicroscope |
| 3 | Microscope, Wild M5A, dissecting stereomicroscope with illuminator and camera adapter |
| 1 | Microscope, Wild M20, binocular, brightfield |
| 2 | Microscope, Zeiss Model 475052-9901, dissecting stereomicroscope with photo attachment |
| 2 | Power Converter, Model 82T for Zeiss Dissecting Stereomicroscope LE40017 |
| 2 | Microscope, Leica Model MZ7.5 dissecting stereomicroscope |
| 2 | Microscope, Leica Model MZ7.5 dissecting stereomicroscope with sub-stage light reflector |
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| | OCEANOGRAPHIC & ZODIAC STUFF |
| 1 | Seabird CTD, SBE-19 |
| 1 | Fluorometer, WETLabs ECO-FL |
| 1 | Transmissometer, WETLabs C-STAR, 25cm path length |
| 1 | pump / pressure transducer |
| 1 | Seabird CTD, SBE-19 Plus |
| 1 | Transmissometer, WETLabs C-STAR, 25cm path length |
| 1 | pump / pressure transducer |
| 1 | Seabird CTD, SBE-19 |
| 1 | pressure transducer |
| 4 | Depthsounder/fishfinder, Furono Model FCV-667, 50-200KhZ, 6" color video, 300W, 11-30VDC |
| 2 | Depthsounder, portable, LCD, Vexilar LPS-1 |
| 1 | Echosounder, Biosonics DT-X with visual acquisition software, includes toughbook computer, transducer, tow fish cables and deckbox |

Flowmeters, General Oceanics Models 2030-R and 2030-R6, 6-digit readout with high and low speed rotors

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| 8 | Flowmeters, General Oceanics Models 2030-R and 2030-R6, 6-digit readout with high and low speed rotors |
| 1 | Air compressor, portable gasoline, with Honda GX120 generator |
| 1 | Generator, Honda EX350A, portable gasoline, 120VAC 2.5A |
| 1 | Generator, Honda EU2000, portable gasoline, 120VAC 13.3A |
| 8 | Go-flo bottle, General Oceanics model 108005 -1.7 L size |
| 16 | Go-flo bottle, General Oceanics model 108005- 5L size |
| 16 | Go-flo bottle, GO-Devil messenger |
| 2 | Inverter, 12VDC to 120VAC, Tripp Lite 1800W, 3 outlet |
| 2 | Inverter, 12VDC to 120VAC, Wagan, 400W, 2 outlet |
| | Plankton Nets |
| 1 | Receiver, ARGOS Uplink II DSP, for multi-channel and 28-bit comms |
| 1 | K14-E3 H BAUER HIGH PRESSURE BREATHING AIR COMPRESSOR UNIT |
| | PHOTOGRAPHIC AND OPTICAL EQUIPMENT: |
| 1 | Binoculars, Leica 10x50, 15x50 |
| 3 | Binoculars, Leica, 10x42 |
| 3 | Binoculars, Leica, 8x42 |
| 2 | Binoculars, Swift, 8x24 |
| 1 | Camera, 35mm, Nikon N70 |
| 1 | Zoom lens for N70 |
| 1 | Camera, digital, Casio QV-100B |
| 1 | Camera, Olympus Camedia D-460 |
| 2 | Camera, digital, Olympus Camedia C-720 |
| 4 | Camera, digital, Olympus Camedia C-765 |
| 1 | Camera, digital, Canon Powershot S5 IS |
| 1 | Camera, digital, Canon Powershot S5 IS |
| 1 | Camera, digital, Canon Powershot S5 IS |
| 2 | Wide conversion lens with adapter for Olypus Camedia cameras |
| 2 | Camera, digital video, Sony DCR-VX700 (can be used for diving) |
| 1 | Camera, digital video, Sony HDR-HC7 Handycam, property of LTER |
| 1 | Housing, Bluefin HD, FX-1, for Sony HDR-HC7 Handycam, property of LTER |
| 2 | Housing, Sting-ray underwater with lights for Sony DCR-VX700 camera |
| 1 | Telescope, Celestron 60mm |
| 2 | Telescope, Spotting, Bushnell Model 78-1817 |
| | NUCLEAR INSTRUMENTS |
| 1 | Survey Meter, beta scintillation detect. Ludlum 44-1 |
| 5 | Survey Meter, Bicron Model 50 w/ PGM probe |
| 1 | Survey Meter, Technical Associates PUG-1AB |
| 1 | Perkin Elmer A2900 liquid scinitillation counter, with monitor and printer |
| 1 | Perkin Elmer A2900 liquid scinitillation counter, with monitor and printer |
| | RECORDERS, ELECTRONIC |
| 4 | Soltec 1241 (1 pen) |
| 2 | Soltec 1242 (2 pen) |
| 2 | Soltec 1243 (3 pen) |
| | SHAKERS, MIXERS, HOMOGENIZERS AND PUMPS |
| 1 | Wigglebug Amalgamator |
| 1 | Spectromill Impact Grinder for sample comminution |
| 3 | Homogenizer, Tekmar tissue grinder, SDT-1810 |
| 1 | Homogenizer, Virtishear Tempest 276725 |

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| 1 | Biospec Hand held homogenizer, model M133 |
| 1 | Homogenizer, Biospec 3110BX, Bead-beater |
| 1 | Mixer, Sorvall Omni-Mixer, Model 17105, 16kRPM |
| 6/2R | Mixer, Vortex-Genie Mixer, Oster, 5-speed |
| 18 | Pump, aquarium, Silent Giant Air-to-Spare Model 120 |
| 2 | Pump, aquarium, Supra Brand, TL-4 |
| 1 | Pump, aspirator, Haake Model 2009-1, with large stainless steel tank, turbine motor, not cooled |
| 1 | Pump, Stainless Steel, Monsoon Pump, Requires Controller (0068741) |
| 1 | Pump, Stainless Steel, Monsoon Pump, Requires Controller (0068741) |
| 5 | Pump, 12VDC, handheld centrifugal, Geosquirt |
| 1 | Pump, diaphragm, ARO 1-1/2" with Honda generator and compressor |
| 1 | Pump, peristaltic, Bio Rad model Econo-Column Pump |
| 1 | Pump, peristaltic, ISMATEC Model 78003-00 |
| 1 | Pump, peristaltic, 4 ch, 120VAC, Masterflex Model 7520-50 |
| 1 | Pump, peristaltic, 1 ch, 12VDC, Masterflex Model 7533-60, in wooden box |
| 1 | Pump, peristaltic, 120VAC, Masterflex Model 7552-71 |
| 1 | Pump, peristaltic, 120VAC, Masterflex Model 7552-02, with external control box for wet environments |
| 1 | Pump, peristaltic, 120VAC, Materflex multichannel pump system, with 5 heads |
| 1 | Modular pump drive, 90VDC, 100 RPM, reversible |
| 5 | Masterflex L/S standard peristaltic pump head |
| 1 | Pump, vacuum, Danielson Tribodyn Model TD-100/120B |
| 3 | Pump, vacuum, Gast, to 25" mercury, oiled, with impeller |
| 19/2R | Pump, vacuum, Gast, to 25" mercury |
| 5 | Pump, vacuum, hand-operated, Nalgene, 15cc, w/gauges |
| 4 | Pump, vacuum, hand-operated, Nalgene, 15cc, w/o gauges |
| 2 | Pump, vacuum, hand-operated, Nalgene, 36cc, w/gauges |
| 11 | Pump, vacuum, hand-operated, Nalgene, 36cc, w/o gauges |
| 1 | Pump, vacuum/pressure, high volume, Barnant 470-5942 |
| 3 | Rocker Platform, Bellco Model 7740-10010, 20# max capacity |
| 1R | Shaker, Eppendorf 24-place |
| 3 | Shaker, Labline Orbital Model 3520 |
| 1 | Shaker, Sieve, Tyler RX-24 |
| 1 | Sonic disrupter, Bransen B-42 Ultrasonic |
| 1 | Sonic disrupter, Microson MS-50, 50W, 1/8" and 3/16" tips, foot switch |
| 1 | Sonic disrupter, Microson XL-2000 |
| 1 | Sonic disrupter, Sonicator Model SC-40 |

SHARED EQUIPMENT:

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| 1 | Autoclave, Amsco 2021M, 240-270 deg F |
| 1 | Autoclave, Market forge, Model STM-EL |
| 2 | Icemaker, Scotsman Flaker |
| 1 | Muffle furnace, Thermolyne Model F6000 |
| 2 | Muffle furnace, Thermolyne Model F6038CM |
| 2 | Freezer, -20 |
| 4 | Freezer, -70C REVCO |
| 1 | Incubator, Precision model 818 |
| 1 | incubator, Precision model 816 |
| 1 | Incubator, Percival Model I-36LLVL |
| 1 | Refrigerator, underbench, explosion proof |

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| 1 | Refrigerator, underbench, explosion proof |
| 1 | Refrigerator, underbench, explosion proof |
| 2 | Refrigerator, underbench, general purpose |
| 1 | Refrigerator, underbench, National Sanitation |
| 1 | Refrigerator, upright full, explosion proof |
| 1 | Refrigerator/freezer, upright full, explosion proof, 10 cu.ft |
| 1 | Refrigerator, double-wide, Chromotography Cabinet |
| 1 | Water system, Miili-Q Gradient A10 |
| 1 | Water system, Nanopure |
| 1 | Water system, for seawater filtration, takes 3 standard 10" filters |
| 1 | Water system, UV sterilizer, Aquanetics Model 120IL |

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| | SMALL EQUIPMENT |
| 1 | Air meter, Davis, 1-6000 FPM |
| 4 | Anemometer, handheld, 0-99.9 MPH |
| 2 | Calculator, HP 20 S Scientific |
| 1 | Corer, Soil, AMS 2" with extension |
| 9 | Desiccators |
| 6 | Dewar, LN2, 35L or larger |
| 2 | Dewar, 4L |
| 1 | Dispensing pressure vessel, Millipore XX6700P10 |
| 1 | Thermosafe 485 Dry Ice Maker and Ice Block |
| 1 | Frigimat Dry Ice Maker and Flake Bag |
| 1 | Dry ice maker |
| 1 | Dry ice maker |
| 2 | Engraver, Dremel Model 290 |
| 2 | Filtration holder, 12-port circular, 25 mm |
| 4 | Filter holder, pos pressure, Millipore, 142 mm |
| 1 | Filter holder, pos pressure, Millipore, 142 mm, plastic |
| | Filtration manifold, 3 place |
| 13 | Filtration manifold, 6 place |
| 1 | Filtration system, w/ autoclavable 0.45 mm filter (replace housing with Millipore HOMMMUSAC, filters MC#0023478) |
| 1 | Filtration system, w/ autoclavable 0.45 mm filter (replace housing with Millipore HOMMMUSAC, filters MC#0023478) |
| 1 | Filtration vessel, 3" inlet/outlet, autoclavable, Hayward Industrial FEMC from seawater pump house!! |
| 1 | Filtration manifold, 10-place, Amersham Biosciences Model FH-201 |
| 7 | Gas regulator, CGA 540 for O2 |
| 4 | Gas regulator, CGA 346 for Air |
| 1 | Gas regulator, CGA 320 for CO2 |
| 15 | Gas regulator, CGA 580 for N2 and other inerts |
| 1 | Gas regulator, CGA 590 for UHP air and others |
| 4 | Gas regulator, CGA 350 for H2 |
| 2 | Gas regulator, DIN 477 No 13, for synthetic air |
| 6 | 1/4" FNPT to 1/4" quick connection for teflon tubing |
| 4 | 1/4" FNPT to 1/8" quick connection for teflon tubing |
| 10 | 1/4" FNPT to 3/16" Hose barb |
| 11 | 1/4" FNPT to 1/4" Hose barb |
| 10 | 1/4" FNPT to 1/8" Hose barb |
| 6 | 1/2" Swagelok nut and ferrule |

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| 6 | 1/4" FNPT to 1/4" Swagelok nut and ferrule |
| 6 | 1/4" FNPT to 1/8" Swagelok nut and ferrule |
| 3 | 1/2" FNPT to 1/8" Swagelok nut and ferrule |
| 7 | 1/4" Swagelok nut to 1/4" Hose barb, stainless steel |
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| | Hot plate with stirrer - 6" |
| | Hot plate with stirrer - 12" |
| 4 | Illuminator, AO, Starlite |
| 10 | Illuminator, Fiber Optic, with 2 goosenecks |
| 2 | Illuminator, 5-diopter magnification lamp, Luxo |
| 1 | Incinerator, Bacti-Cinerator III |
| 1 | Lamp, UV, Black-Ray ML-49 |
| 2 | Lamp, UV, Mineralight Model UVGL-58, 254 and 365nm |
| 1 | Lamp, UV, Model B-100Y, 115 volts |
| 3 | Magnifier, binocular visor, no lamp |
| 1 | Measuring tape, 200' non-metallic, Keson |
| 1 | Measuring tape, 100m, non-metallic, Keson |
| 10 | Mortar and Pestle, ceramic, various sizes |
| 1 | Mortar and Pestle, cordless motor with plastic rods |
| 1 | Picoammeter, Keithley Model 485 |
| 1 | Brand, Macro Pipette Controller |
| 6 | Pipet Aid, electric, Drummond |
| 2 | Pipet Aid, manual roller wheel style, 2 ml |
| 2 | Pipet Aid, manual roller wheel style, 10 ml |
| 3 | Pipet Aid, manual roller wheel style, 25 ml |
| 1 | Pipettor, Research, Eppendorf 300, 30-300ul |
| 1 | Pipettor, Research, Eppendorf 10, 0.5-10ul |
| 2/1R | Pipetman Rainin, P10 |
| 6/2R | Pipetman, Rainin EDP3-Basic SEB3-10 |
| 7 | Pipetman Rainin, P20 |
| 1 | Pipetman, Rainin EDP3-Basic SEB3-20 |
| 5/1R/2F | Pipetman Rainin, P100 |
| 7 | Pipetman, Rainin EDP3-Basic SEB3-100 |
| 6/5R/2F | Pipetman Rainin, P200 |
| 2 | Pipetman, Rainin EDP3-Basic SEB3-200 |
| 9/1F | Pipetman Rainin, P1000 |
| 7/1R | Pipetman, Rainin EDP3-Basic SEB3-1000 |
| 4 | Pipetman Rainin, P5000 |
| 5 | Pipetman, Rainin EDP3-Basic SEB3-5000 |
| 1R | Pipettor, Dispensette, Brinkman, 0.1-2.5ml |
| 1/2R/1F | Pipettor, Dispensette, Brinkman, 0.1-5ml |
| 4/1R/3F | Pipettor, Dispensette, Brinkman, 2-10ml |
| 10/1R | Pipettor, Dispensette, Brinkman, 1-25ml |
| 5/1F | Pipettor, Dispensette, Brinkman, 10-50ml |
| 1 | Pipettor, Dispensette, Brinkman, 20-100ml |
| 1 | Pipettor, Reference, Eppendorf 2000, 10-100ul |
| 1 | Pipettor, Reference, Eppendorf 2000, 100-1000ul |
| 3/1R | Pipettor, Reference, Eppendorf 2000, 500-2500ul |
| 1 | Pipettor, Reference, Eppendorf 2100, 500-5000ul |
| 10/1R | Pipettor, Repeater, Eppendorf Model 4788 |
| 2 | Pipettor, Repeater Plus, Digital, Eppendorf |

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| 1 | Plant Press, order paper seperately |
| 1 | Power UPS, APC 3000VA, 6 plug |
| 3 | Power UPS, Best Microferrups 850 VA |
| 1 | Sealer, impulse, 6" Packaging Aids Corp, Type 2 |
| 1 | Sealer, impulse, 8" TEW TISH-200 |
| 1 | Sealer, impulse, 12" TEW TISH-300 |
| 2 | Sealer, impulse, 12" Dazey Seal-a-Meal or similar |
| 1 | Slide Warmer, Fisher P/N 12-54-5V3 |
| 5 | Stirrer, Overhead, Wheaton, variable speed |
| 2 | Stratacooler II, benchtop cooler, for using samples at -20C |
| 2 | Table, anti-vibration, |
| 1 | Table, anti-vibration, Vibraplane, passive air |
| 7 | Tally counters, handheld |
| 9 | Timers, lab, count down |
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| | LIGHT MEASUREMENT |
| 2 | Datalogger, BSI DAS-186 |
| 7 | Datalogger, LiCor LI-1000-32 |
| 1 | Fluorometer, Spex Fluoromax-2, scanning |
| 3 | Fluorometer, Turner 10-AU-005 (digital) |
| 1 | Fluorometer, Turner 10-AU-005-CE |
| 2 | Irradiance meter, BSI QSI-100, quantum scalar |
| 3 | Irradiance meter, BSI QSI-140, integrating |
| 3 | Irradiance meter, BSI QSR-240, solar reference |
| 1 | 25m Cable for QSR-240 |
| 2 | 50m Cable for QSR-240 |
| 1 | 100m Cable for QSR-240 (made by Licor) |
| 1 | Luminometer, Optocomp BG-1, MGM instruments |
| 4 | Pyranometer, Sensor, LiCor LI-200 SA |
| 1 | Pyranometer, Sensor, LiCor LI-200 SZ |
| 4 | Quantum, Sensor, LiCor LI-190 SA |
| 2 | Quantum, Sensor, LiCor LI-193 SA, underwater spherical |
| 1 | 30m Underwater cable for LI-193 |
| 2 | 100m Underwater cable for LI-193 |
| 1 | 200m Underwater cable for LI-193 (patched in middle) |
| 1 | Radiometer, BSI GUV-511, UV |
| 1 | Radiometer, BSI PUV-500B, UV, for underwater measurement |
| 1 | Deckbox |
| 1 | Cables |
| 1 | D510 C Compaq EVO computer (dedicated to GUV, PUV and QSR) |
| 2 | LiCor LI-189 quantum/radiometer/photometer |
| 1 | Spectrophotometer, HP 8453, Scanning DAD UV/VIS |
| 1 | Spectrophotometer, PE Lambda 40 |
| 1 | Spectrophotometer, PE LS-50B, Luminescence |
| 1 | Kinetic accessory for LS-50B and SPEX |
| 1 | Macro Technologies computer (dedicated to LS-50B spectrophotometer) |
| 1 | Spectrophotometer, PE LS-5B, Luminescence |
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| | TEMP MEASUREMENT |
| 4 | Datalogger, Hobotemp |
| 5 | Datalogger, Hobotemp, Tidbit Stow-Away, waterproof |

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| 2 | Thermometer, Digi-sense Thermistor, digital |
| 4 | Thermometer, Digi-sense Thermistor ThermoLogR, digital, Model 93210-50 |
| 2 | Thermometer, Oakton digital |
| 2 | Thermometer, Omega Model HH506R, digital with 2 TC inputs |
| 4 | Thermometer, Omega Model HH506RA, digital logger with 2 TC inputs |
| 9 | Thermometer, glass alcohol, -20 to +110 |
| | YSI 400 series thermistor probes: |
| 3 | model 401 |
| 4 | model 405 |
| 10 | model 408 |
| | YSI 700 series thermistor probes: |
| | stainless steel probe |
| 8 | model 701 vinyl tipped |
| 4 | YSI Model 731, epoxy tipped, non-immersion |
| | model 400 (?) |
| | YSI Analog Electronic Thermometers 43TF |
| | YSI Analog Electronic Thermometers 42SC |
| | YSI Analog Electronic Thermometers 43TD |
| | Temp Controller, YSI model 71A |
| 1 | Temp Controller, Versa-therm |
| 3 | Omega Type T digital thermometer, HH-25TC |
| | Omega Type T thermocouple Therm |
| | Type T thermocouple Probes: |
| 4 | wire type, 24ga, 3' long |
| 3 | wire type |
| 3 | miniconnectors |
| 11 | connectors |
| | Type K Thermocouple Probes: |
| 2 | flexible, hi-temp to 1100C, stainless steel braid with 1' thin steel probe |
| | wire type, flexible |
| 4 | penetration type, 6" ss sheath with 6' lead |
| 4 | heavy duty 36" immersion probe with ss sheath |
| 9 | Miniconnectors |