

Price List

Code	Description	Cost per Sample (\$) *^		
		LSU	Research Community	Industry

Water Analysis Requested				
W-01	Lab Fee (preparation by client using WBAS supplies and materials)^*	1.00	1.50	3.00
W-02	Filter Samples for Nutrients, Chlorophyll, Metals, DOC/DIC analysis, Etc.	5.25	6.00	10.00
W-03	NO2	6.00	8.00	13.71
W-04	(NO2 + NO3)	6.00	8.00	12.00
W-05	NO3 Only (NO2+NO3)-NO2	7.00	9.00	16.00
W-06	NH4	6.00	8.00	12.00
W-07	SiO4	6.00	8.00	12.00
W-08	PO4	6.00	8.00	12.00
W-09	Total N and Total P (Persulfate digestion and analysis)	17.00	20.00	24.00
W-10	Total Organic Carbon (Shimadzu TOC-V analyzer)	10.00	14.00	22.85
W-11	Total Nitrogen only (Shimadzu TOC analyzer w/ TMN-1 unit)	10.00	14.00	22.85
W-12	Total Organic Carbon (TOC) + Total Nitrogen	15.00	20.00	35.00
W-13	Carbon (TC, IC, and TOC)	12.00	15.50	30.00
W-14	Carbon (Organic or Inorganic) Plus Total Nitrogen	15.00	20.00	34.28
W-15	Total Dissolved Solids at 180 C	11.00	18.00	20.00
W-16	Total Suspended Solids (TSS, will use aliquot from original sample)	11.00	15.00	27.50
W-17	Total Suspended Solids (TSS) and Total Volatile Solids (TVS)	14.00	18.00	24.00
W-18	Total Solids	10.00	14.00	20.00
W-19	Suspended Sediment Concentrations (SSC, will filter entire sample)	25.00	30.00	60.00
W-20	Suspended Sediment Concentrations (SSC) and Total Volatile Solids (TVS)	30.00	35.00	65.00
W-21	pH - water samples	3.50	5.00	9.00
W-22	Electrical Conductivity - water samples	4.00	5.00	9.00
W-23	Alkalinity (Titrimetric to pH 4.5) Minimum 12 samples	10.00	14.00	20.00
W-24	Digestion of liquid samples with TM grade acid	10.00	14.00	25.00
W-25	Major Anions by IC (F, Cl, NO3, SO4, PO4, NO2 and Br) Per Analyte	6.00	8.00	10.00
W-26	Inorganic Carbon (Triplicate analysis per sample) IC analyzer	35.00	40.00	45.00
W-27	Turbidity (SM2130B)	7.00	10.00	14.00
W-28	Gran-titration for total alkalinity	30.00	35.00	45.00
W-29	Dissolved PCO2 Analysis	10.00	15.00	20.00
W-30	Whole Core Denitrification with out Technician (per core minimum 6 cores)	300.00	300.00	300.00
W-31	Denitrification With Technician (per core minimum 6 cores)	300.00	300.00	300.00
W-32	Whole Core Ammonification (per core minimum 6 cores)	300.00	300.00	300.00

Metals ICP-OES Spectrophotometer Aglient 5800				
M-01	Set-up Fee Per set of samples	20.00	20.00	20.00
M-02	Special Samples less than 5 ml total volume (1.5 ml minimum)	25.00	35.00	62.50
M-03	ICP Analysis - Any 10 metals (Extra for unfiltered samples. See W02)	12.00	15.00	25.00
M-04	ICP Analysis - Any additional metal after 10	0.50	0.75	1.00
M-05	Priority Sample Analysis - Any 10 metals	25.00	40.00	65.00
M-06	Sample Digestion (NHO3, H2SO4 or HCL)	11.00	14.00	20.00
M-07	Dilution and Re-analysis (will consult client)	3.00	3.50	6.00
M-08	18 metal package (Al, Ba, Ca, Cd,Co, Cr,Cu, Fe, K, Mg, Mo, Mn, Na, Ni, Pb, Si,V, Zn)	22.00	30.00	45.00
M-09	Priority for 18 Metal Suite Analysis (per sample)	30.00	45.00	75.00
M-10	ICP Analysis - Any 10 metals in HF matrix (Extra for unfiltered samples. See W02)	15.00	17.00	35.00
M-11	Microwave Digestion with Hydrofluoric acid	20.00	25.00	45.00
NOTE:	Samples for ICP analysis must be filtered. Filtration by WBAS extra: see W02			

Mercury Analysis (DMA-80)				
HG-01	Mercury Analysis (water samples)	25.00	35.00	63.00
HG-03	Mercury Analysis (Solid samples)	30.00	40.00	70.00

Chlorophyll Waters and Sediments				
CHL-01	Chlorophyll a - filter samples	11.00	14.50	20.00
CHL-02	Chlorophyll a - sediment samples	14.00	18.00	22.00
CHL-03	Lab Fee (preparation by client using WBAS materials and equipment)	1.00	2.00	3.00
CHL-04	Phycocyanin a Determination	7.00	9.80	14.00
NOTE:	Filtration extra: see W02			

Gas Chromatograph				
GC-01	Shamadzu (Per Hour)	10.00	12.00	15.00
GC-02	SRI (per sample) Operated by WBAS personnel	10.00	12.00	20.00
GC-03	SRI (per sample) Operated by client	5.00	6.00	10.00
GC-04	Real Time CO2 and CH4 analysis (per day)	600	700	800

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Membrane Inlet Mass spectrometry (price per sample)				
MIMS-01	N2/Ar ratio analysis in water (per sample) without technician	10.00	17.00	25.00
MIMS-02	N2/Ar ratio analysis in water (per sample) With technician	15.00	25.00	45.00
MIMS-04	Nitrogen isotope 14N/15N in water samples (without technician)	17.00	22.00	35.00
MIMS-05	Nitrogen isotope 14N/15N in water samples (With technician)	20.00	25.00	45.00
MIMS-06	Lab Fee (preparation by client using WBAS materials and equipment)	2.00	3.00	5.00
Soils and Sediment and Plant Material				
S-01	Lab Fee (preparation by client using WBAS materials and consumables)	1.50	2.25	3.50
S-02	Ball Mill Grinder (used by client) per 50 samples	5.00	7.00	12.50
S-03	Grinding (soils and sediments)	3.75	5.50	10.00
S-04	Grinding, Ball Mill (Plant material) by WBAS personnel	5.00	7.50	10.00
S-05	Sample Drying (Drying and Weighing to constant weight)	3.50	5.00	9.00
S-06	Bulk Density and % Moisture (drying, weighing, and calculations)	4.00	6.00	10.00
S-07	Homogenization of wet soil sample (less than 200 gm)	1.50	2.00	3.00
S-08	Homogenization of wet soil sample (> 200 gm)	3.50	4.25	7.00
S-09	Total C and total N (prepared by client) (Excludes TOC; see S-11)	5.00	7.00	14.00
S-10	Total C and total N (prepared by WBAS) (Excludes TOC; see S-11)	9.50	12.00	23.00
S10-B	Total C, N and H (prepared by WBAS) (Excludes TOC; see S-11)	11.50	14.00	25.00
S-11	Total Organic Carbon (TOC - Analysis Only)	7.00	10.00	18.00
S-12	Total Organic Carbon (includes fumigation, repacking and analysis)	12.00	17.00	30.00
S-13	Particulate Carbon and Nitrogen (Samples on Filters) prepared by Client	9.00	13.00	22.50
S-14	Particulate Carbon and Nitrogen (Samples on Filters) prepared by WBAS	13.00	19.00	32.50
S-15	Particulate Organic Carbon (Samples on Filters, HCL Fumigated) prepared by WBAS only	15.00	21.00	37.50
S-15-B	Particulate Organic Phosphorus, TP-PO4 (includes ashing, HCL extraction and analysis)	15.00	21.00	37.50
S-16	Total Phosphorus (includes Ashing, HCL Extraction, and analysis)	15.00	21.00	36.00
S-17	Total Phosphorus analysis only on Auto Analyzer see W-08			
S-18	Phosphorus Extraction - Bray 1 or Bray 2, Mehlich 3 (extraction and filtering only)	11.00	15.00	25.00
S-19	2M KCl Extraction (Extraction only)	11.00	15.00	25.00
S-20	Routine hot NHO3, HCl, or H2SO4 acid digestion	11.00	15.00	20.00
S-21	Sequential PO4 (Extraction and Analysis)	500.00	650.00	760.00
S-22	Laser grain size analysis for sediments (Organic treatment w/H2O2)	39.00	50.00	70.00
S-23	Ash Determination (to 950C)	8.00	13.00	20.00
S-24	Loss on Ignition	5.00	7.50	15.00
S-25	pH - soil samples (WBAS method)	5.00	7.50	10.00
S-26	Electrical Conductivity - soils and sediments samples (WBAS Method)	5.00	7.50	10.00
S-27	pH - soils (CRMS- Method, stirring 1min for 30 min)	20.00	25.00	30.00
S-28	Electrical Conductivity -(CRMS- Method, stirring 1min for 30 min CRMS)	20.00	25.00	30.00
S-29	Aboveground biomass Sorting (live and dead) per sample per species	5.00	7.00	10.00
S-30	Belowground biomass Sorting (live and dead) per sample per species	12.00	17.00	24.00
S-31	Dry plant (aboveground) Biomass Weighing	4.00	6.00	8.00
S-32	Dry Root (belowground) biomass Weighing	4.00	6.00	8.00
S-33	Measurement of Stem length, Diameter and Density (Per Species per bag)	4.00	6.00	10.00
S-34	Microbial Biomass Chloroform Fumigation	2.00	3.00	4.00
S-35	Furnace use - per hour	1.00	2.00	4.00
S-36	Technician Usage Fee (per sample)	1.75	2.75	3.00
S-37	Sample Prep Fee (sort, inventory, storage)	2.00	3.00	5.00
S-38	Lab Fee (preparation and cleaning of materials)	6.00	7.00	10.00
S-39	Crucible preparation Fee (for Pre and Post ignition)	2.50	3.50	7.00
S-40	Particle Size Analyzer (Equipment only)	10.00	11.50	14.00
S-41	Particle Size Analyzer (Equipment with technician)	39.00	44.85	54.60
S-42	Calculations for Wet and Dry Sediment Weights	2.00	3.00	5.00
S-43	24 hour Soil profiling	1200.00	1800.00	2400.00
S-44	Porewater extraction (Includes soil transfer, centrifuge, and PW transfer to acid leached container)	20	30	40

Isotopes C/N/Cs isotopes				
MS-01	Dual isotope 13C & 15N solid samples (Regular samples*)	8.50	9.00	10.00
MS-02	Dual isotope 13C & 15N solid samples (Difficult samples**)	11.00	12.00	13.00
MS-03	Single isotope 13C or 15N solid samples (Regular samples *)	8.00	8.50	9.00
MS-04	Single isotope 13C or 15N solid samples (Difficult samples **)	10.00	11.00	12.00
MS-05	Single isotope 34S solid samples (Regular samples *)	16.50	19.00	21.50
MS-06	Single isotope 34S solid samples (Difficult samples **)	18.50	21.00	23.50
MS-07	Triple isotope 13C/15N/34S solid samples (Regular samples *)	24.00	27.00	30.50

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MS-08	Triple isotope 13C/15N/34S solid samples (Difficult samples **)	29.00	32.50	36.00
MS-09	Compound-specific analysis of 13C in amino acids	100.00	120.00	140.00
MS-10	Compound-specific analysis of 15N in amino acids	110.00	130.00	150.00
MS-11	Sample preparation/weighing for bulk isotope analysis	4.00	6.00	8.00
MS-12	Sample preparation/weighing for compound-specific isotope analysis	6.00	8.00	10.00
MS-13	Sample acidification for isotope analyses	1.50	2.50	3.50
MS-14	Sample oven/freeze drying for isotope analyses	1.00	2.00	3.00
MS-15	Dowex column purification of amino acids required for plants, soils, filters and other types of samples	30.00	35.00	45.00
MS-16	Lab Fee (preparation by client using WBAS materials and equipment)	1.00	2.00	3.00
	* Samples such as plant/animal/tissue			
	** Samples such as enriched/soils/sediments/filters, etc.			

Isotopes Gamma Spectrometry (price per sample)				
GS-01	Low precision (24 hour counting)	40.00	50.00	60.00
GS-02	Medium precision (48 hour counting)	80.00	100.00	120.00
GS-03	High precision (72 hour counting)	120.00	150.00	180.00
GS-04	RaDeCC Radium/Thorium Analysis	50.00	60.00	70.00
GS-05	Single Chamber CF Dissolved Radon 222	800.00	900.00	N/A
GS-06	Double Chamber CF Dissolved Radon 222	950.00	1050.00	N/A

Sample Prepration				
SP-01	Sample freezer storage and monitoring (1/4 freezer space per month)	26.00	30.00	50.00
SP-02	Sample filtration for nutrient and chlorophyll analysis	6.00	7.00	10.00
SP-03	Plant rinsing and sorting (live single species only)	3.00	4.00	6.00
SP-04	Centrifuge use per spin (each spin can handle up to 12 samples)	6.00	7.00	10.00
SP-05	Temperature Controlled Incubations per week (one week min.)	20.00	30.00	40.00
SP-06	Sample freeze drying (per sample)	1.50	2.00	3.00
SP-07	Dowex column purification (per sample)	25.00	30.00	30.00
SP-08	Vial rinsing	0.95	0.95	0.95

WBAS will, for a fee, purchase and prepare bottles and vials for projects, experiments and sampling trips. Bottles and vials preparation includes acid leaching, rinsing and drying. Requires a 15 day advance notice and is dependent upon material availability and delivery.

Histology				
HY-01	Decalcify - per sample	10.00	10.00	10.00
HY-02	Trim - per sample	5.00	5.00	5.00
HY-03	Process/embed/section/H&E 1 slide per slide	25.00	25.00	25.00
HY-04	Each additional H&E slide	5.00	5.00	5.00
HY-05	Imaging - per capture	5.00	5.00	5.00
HY-06	Annotation - micrograph	50.00	50.00	50.00
HY-07	Interpretation - sample	60.00	60.00	60.00

Benthic Fauna processing and ID				
	Meiofauna samples (sorted under scope)			
BF-01	Sort and pick fauna (< 80 cm2 area)	\$250.00	\$250.00	\$500.00
BF-02	Sort and pick fauna (80-300 cm2 area)	\$350.00	\$350.00	\$700.00
BF-03	Sort and pick fauna (300-600 cm2 area)	\$450.00	\$450.00	\$900.00
BF-04	Sort and pick fauna (> 600 cm2 area)	\$550.00	\$550.00	\$1,100.00
BF-05	ID to species and preserve (< 80 cm2 area)	\$500.00	\$500.00	\$1,000.00
BF-06	ID to species and preserve (80-300 cm2 area)	\$650.00	\$650.00	\$1,300.00
BF-07	ID to species and preserve (300-600 cm2 area)	\$800.00	\$800.00	\$1,600.00
BF-08	ID to species and preserve (> 600 cm2 area)	\$1,000.00	\$1,000.00	\$2,000.00
	Macrofauna samples (sorted without scope)			
BF-09	Sort and pick fauna (< 80 cm2 area)	\$100.00	\$100.00	\$200.00
BF-10	Sort and pick fauna (80-300 cm2 area)	\$150.00	\$150.00	\$300.00
BF-11	Sort and pick fauna (300-600 cm2 area)	\$200.00	\$200.00	\$400.00
BF-12	Sort and pick fauna (> 600 cm2 area)	\$250.00	\$250.00	\$500.00
BF-13	ID to species and preserve (< 80 cm2 area)	\$100.00	\$100.00	\$200.00
BF-14	ID to species and preserve (80-300 cm2 area)	\$150.00	\$150.00	\$300.00
BF-15	ID to species and preserve (300-600 cm2 area)	\$200.00	\$200.00	\$400.00
BF-16	ID to species and preserve (> 600 cm2 area)	\$250.00	\$250.00	\$500.00

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Water Monitoring				
<u>U-10 Multiparameter</u>				
WM-01	Price per day (no labor)	30.00		60.00
WM-02	Price per day per technician (Add an additional)	250.00		350.00
<u>TROLL 9500 Water Quality Monitor- Cli</u>				
WM-04	Price per day (no labor)	30.00		60.00
WM-05	Price per day per technician (Add an additional)	250.00		350.00
<u>SEACAT 19 plus CTD- Cli</u>				
WM-06	Price per day (no labor)	50.00		100.00
WM-07	Price per day per technician (Add an additional)	250.00		350.00
<u>Workhorse 1200 KHz ADCP- Cli</u>				
WM-08	Price per day (no labor)	50.00		100.00
WM-09	Price per day per technician (Add an additional)	250.00		350.00
<u>ADCP -Cli</u>				
WM-10	Price per day (no labor)	30.00		60.00
WM-11	Price per day per technician (Add an additional)	250.00		350.00
<u>HADCP -Cli</u>				
WM-12	Price per day (no labor)	30.00		60.00
WM-13	Price per day per technician (Add an additional)	250.00		350.00
<u>Tide Gauge YSI LS- Cli</u>				
WM-14	Price per day (no labor)	30.00		60.00
WM-15	Price per day per technician (Add an additional)	250.00		350.00
<u>YSI CTD- Cli</u>				
WM-16	Price per day (no labor)	30.00		60.00
WM-17	Price per day per technician (Add an additional)	250.00		350.00
<u>Automated Survey Boat -Cli</u>				
WM-18	Price per day (no labor)	250.00		500.00
WM-19	Price per day per technician (Add an additional)	250.00		350.00
<u>Sontek Arhnaut ADP Cli</u>				
WM-20	Price per day (no labor)	30.00		60.00
WM-21	Price per day per technician (Add an additional)	250.00		350.00
<u>Workhorse Monitor 600 HKz ADCP- Cli</u>				
WM-22	Price per day (no labor)	30.00		60.00
WM-23	Price per day per technician (Add an additional)	250.00		350.00
<u>Unmanned Aerial Vehicle- Cli</u>				
WM-24	Price per day (no labor)	250.00		500.00
WM-25	Price per day per technician (Add an additional)	250.00		350.00
<u>AguaDopp Monitor</u>				
WM-26	Price per day (no labor)	30.00		60.00
WM-27	Price per day per technician (Add an additional)	250.00		350.00

WAVIX Tank use				
WM-28	Without wave maker			
	Per day for single day use	200.00		200.00
WM-29	With wave maker			
	Per day for single day use	150.00		150.00
WM-30	Technician time setting up the			
	Experiments and instruction. (per Experiment)	450.00		450.00
WM-31	Automated smart chamber for greenhouse gas flux (no labor)	500.00	600.00	700.00

Services				
Field Services				
FS-01	Technician rental for field services	50.00	75.00	75.00
Metorological Services				
METS-01	Professional Metorological Consulting (per hour)	80.00	100.00	100.00
BOAT RENTAL- 23 foot Carolina Skiff (per day)				
BRCS-01	22' Flat-Bottom Skiff LSU# 645600 (fuel not included)	165.00	165.00	165.00
Consulting Services by WBAS lab members - per hour				
MISC -02	Program Manger- Service center manager	50	100	180
MISC -03	Principal Environmental Scienist - RA- 5	40	90	150
MISC -04	Senior Environmental Scientist - RA 4 and below	30	50	95
Miscellaneous				

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MISC -01	Priority samples (per sample)	10	15	20

Avg LSU rate

97.16

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