

MU Limnology Lab - Hinkson Creek Watershed Water Quality Assessment

SCOPE: 40 samples per sampling (30 at the main stem + 10 at the tributaries), 4 samplings per year, analysis of total phosphorus, total nitrogen, soluble reactive phosphorus, nitrate, ammonium, specific conductivity, and chloride.

	Year 1	Year 2
SALARY Breakdown of cost: (include pay rates and # FTE)		
Lab technician (200h x \$21/h)	4,200	4,326
Undergraduate students (732h x \$11/h)	8,052	8,294
TOTAL SALARY	\$12,252	\$12,620
FRINGE BENEFITS		
Benefits lab technician (7.65% FICA)	321	331
Undergraduate students (7.65% FICA)	616	634
TOTAL FRINGE	\$937	\$965
TRAVEL Breakdown of cost:		
Sampling - 120 miles/sampling event x \$0.43/mile	206	213
TOTAL TRAVEL	\$206	\$213
SUPPLIES Breakdown of cost:		
Laboratory supplies (glassware, chemicals, filters, etc)	2,507	2,582
TOTAL SUPPLIES	\$2,507	\$2,582
	\$15,903	\$16,380

TOTAL DIRECT COSTS **\$32,282**

SCOPE: 40 samples per sampling (30 at the main stem + 10 at the tributaries), 4 samplings per year, analysis of total phosphorus, total nitrogen, soluble reactive phosphorus, nitrate, ammonium, specific conductivity, chloride, **and suspended sediments.**

	Year 1	Year 2
SALARY Breakdown of cost: (include pay rates and # FTE)		
Lab technician (232h x \$21/h)	4,872	5,018
Undergraduate students (1030 h x \$11/h)	10,472	10,786
TOTAL SALARY	\$15,344	\$15,804
FRINGE BENEFITS		
Benefits lab technician (7.65% FICA)	373	384
Undergraduate students (7.65% FICA)	801	825
TOTAL FRINGE	\$1,174	\$1,209
TRAVEL Breakdown of cost:		
Sampling - 120 miles/sampling event x \$0.43/mile	206	213
TOTAL TRAVEL	\$206	\$213
SUPPLIES Breakdown of cost:		
Laboratory supplies (glassware, chemicals, filters, etc)	2,909	2,996
TOTAL SUPPLIES	\$2,909	\$2,996
	\$19,633	\$20,222

TOTAL DIRECT COSTS **\$39,855**