

Waddle Ranch WQ Monitoring Costs

Number of sites 3
 Number of seasons 5

SAMPLE COLLECTION (IN-STREAM)	# samples	Hours	Sites
regular (monthly) grab samples	120	1.5	3
storm samples	15	4	3
snowmelt samples (April and May)	100	4	3
QA samples	24		
Total	259		

SAMPLE PROCESSING AND LAB COSTS	# samples		
sample processing, COC paperwork, sample shipping	110		
sample lab costs (TSS)	259		
sample lab costs (N)	60		
sample lab costs (P)	60		
sample lab costs (PSD)	60		
Total			

DATA MGMT AND ANALYSIS	shipments	hours	rate
data entry (HSL and UCD)	110	1	\$ 75.00
Total			

QUALITY ASSURANCE	Hours per year	Sites	Years
Cross-check database for data entry errors	1	3	5
Annual QA review and documentation	4	3	5
Total			

TOTAL COST	\$ 80,695.00
Avg cost per year (5 years)	\$ 16,139.00

Years	People	Rate	Extended	Cost/yr (5 yrs)
5	1	\$ 75.00	\$ 13,500.00	\$ 2,700.00
5	1	\$ 75.00	\$ 4,500.00	\$ 900.00
5	1	\$ 75.00	\$ 30,000.00	\$ 6,000.00
			\$ 48,000.00	

		cost per	extended	
		\$ 75.00	\$ 8,250.00	
		\$ 20.00	\$ 5,170.00	
		\$ 20.00	\$ 1,200.00	
		\$ 20.00	\$ 1,200.00	
		\$ 25.00	\$ 1,500.00	
			\$ 17,320.00	

extended	
\$	8,250.00
\$	8,250.00

Rate	Extended
\$ 75.00	\$ 1,125.00
\$ 100.00	\$ 6,000.00
	\$ 7,125.00

Notes/assumptions
assume not to exceed 3 samples per season
for all 3 years
<i>no additional cost to grab an extra QA sample</i>

Notes/assumptions
assume 1 shipment to HSL per month for 60 months and ~50 shipments to UCD
assume 2-3 low flow in-stream samples per year; 8-10 peak flow in-stream per year
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