

Table 5-2  
Cost Estimate and Work Breakdown Structure: Ambient Water Quality Recomputation 1996-2015

Task			CDM Smith		DBS&A		Total Task Labor Hours	Total Task Costs
			Total Labor Hours	Total CDM Task Costs	Total Labor Hours	Total DBS&A Task Costs		
1	Compute Ambient Water Quality for the Period of 1996 to 2015		806	\$123,800	672	\$103,840	1,478	\$227,640
	1a	Data Collection	128	\$17,530	20	\$3,400	148	\$20,930
	1b	Update the Physical Model of Groundwater MZs	28	\$4,380	40	\$6,000	68	\$10,380
	1c	Process and Upload Historical Data	342	\$58,490	40	\$6,800	382	\$65,290
	1d	Develop Groundwater-Quality Point Statistics...	52	\$9,640	16	\$2,720	68	\$12,360
	1e	Estimate Regional TDS and Nitrate-Nitrogen...	248	\$31,880	276	\$37,320	524	\$69,200
	1f	Compute Current-Ambient TDS and Nitrate-Nitrogen...	8	\$1,880	280	\$47,600	288	\$49,480
2	Prepare Interpretive Tools for the Recomputation of AWQ		110	\$18,790	266	\$42,500	376	\$61,290
	2a	Prepare Change Maps for TDS and Nitrate-N	10	\$2,130	142	\$21,900	152	\$24,030
	2b	Perform Key Well Analysis of Water Quality Trends	10	\$2,130	102	\$16,700	112	\$18,830
	2c	Perform Well-Attrition Analysis...	90	\$14,530	22	\$3,900	112	\$18,430
3	Prepare Technical Memorandum		76	\$14,180	64	\$11,520	140	\$25,700
4	Task Force Meetings		104	\$25,130	60	\$10,200	164	\$35,330
		Total Costs for Required Tasks	1096	\$181,900	1062	\$168,060	2158	\$349,960

Optional Tasks							
O1	Provide Technical Assistance		30	\$7,050	30	\$5,100	\$12,150
O2	Improve the Spatial Distribution of Monitoring		96	\$13,760	32	\$5,440	\$19,200
O3	Characterize the Influence of Sample Size...		56	\$7,360	0		\$7,360
		Total Optional Costs	182	\$28,170	62	\$10,540	\$38,710
		TOTAL COSTS (Required Tasks + Optional Tasks)	1278	\$ 210,070	1,124	\$ 178,600	\$ 388,670