1 Table M-7. Selenium Bioaccumulation from Water (μg/L) to Particulates and Fish (μg/g, dw) Using Model 2 with Estimated Kd from Normal/Wet Years Regression for Model 4 and Dry Years Regression for Model 5

DSM2 Delta Water LocationWaterfromSacramento River RM 440.090.Cache Slough Ryer ^b 0.100.San Joaquin River Potato Slough0.170.Franks Tract0.190.Big Break0.130.Middle River Bullfrog0.310.Old River near Paradise Cut°0.730.Knights Landing ^d 0.230.Vernalis ^e 0.830.Sacramento River RM 440.090.Cache Slough Ryer ^b 0.110.San Joaquin River Potato Slough0.240.Franks Tract0.270.Big Break0.200.Middle River Bullfrog0.610.Old River near Paradise Cut°0.280.San Joaquin River Potato Slough0.240.Franks Tract0.270.Big Break0.200.Middle River Bullfrog0.610.Old River near Paradise Cut°0.680.Knights Landing ^d 0.230.	Concentration culate Invert. from Particulate Water Particulate 44 1.24 45 1.25 47 1.32 48 1.33 46 1.28 50 1.40 55 1.53 49 1.36 55 1.55 Secco 44 1.24 45 1.27	4 Fish st Quarter 1.49 1.51 1.59 1.61 1.55 1.69 1.85 1.64 1.87	K _d 4997 4481 2786 2525 3630 1621 745 2111 665 er 4914	Whole- body Bass ^a 2.6 1.5 1.4 1.6 1.6 NA NA NA NA 1.7 2.6	Fish-to-Bass Ratio Model 4 0.57 1.01 1.17 0.98 1.00 NA NA NA NA NA NA 1.10	DSM2 Water 0.09 0.14 0.15 0.11 0.46 0.78 0.23 0.85		ntration Invert. from Particulate	Model 4 Fish t Quarter 1.50 1.50 1.57 1.57 1.53 1.76 1.86	Kd 4909 4784 3260 3181 4082 1130 700	Whole- body Bass ^a 1.5 1.7 1.3 1.1 1.0 1.9	Fish-to-Bass Ratio Model 4 1.03 0.87 1.20 1.37 1.50 0.9	DSM2 Water 0.09 0.09 0.09 0.09 0.09 0.09 0.20	Concer Particulate from Water 0.73 0.73 0.73 0.73 0.73 0.73 0.73 0.73 0.73	ntration Invert. from Particulate	Model 5 Fish st Quarte 2.46 2.46 2.46 2.46 2.46 2.46 2.46	Kd	Whole- body Bass ^a 1.8 2.5 2.5 3.0 2.8	Fish-to-Bass Ratio Model 5 1.33 0.97 0.99 0.82					
DSM2 Delta Water LocationWaterfromSacramento River RM 440.090.Cache Slough Ryerb0.100.San Joaquin River Potato Slough0.170.Franks Tract0.190.Big Break0.130.Middle River Bullfrog0.310.Old River near Paradise Cut°0.730.Knights Landingd0.230.Vernalise0.110.Sacramento River RM 440.090.Cache Slough Ryerb0.110.San Joaquin River Potato Slough0.240.Franks Tract0.270.Big Break0.200.Middle River Bullfrog0.610.Old River near Paradise Cut°0.230.	Invert. from Particulate Water Particulate 44 1.24 45 1.25 47 1.32 48 1.33 46 1.28 50 1.40 55 1.53 49 1.36 55 1.55 Seco 44 1.24	4 Fish st Quarter 1.49 1.51 1.59 1.61 1.55 1.69 1.85 1.64 1.87 0nd Quarter 1.50	4997 4481 2786 2525 3630 1621 745 2111 665 er 4914	body Bass ^a 2.6 1.5 1.4 1.6 1.6 NA NA NA NA NA 1.7	Ratio Model 4 0.57 1.01 1.17 0.98 1.00 NA NA NA	Water 0.09 0.14 0.15 0.11 0.46 0.78 0.23	Particulate from Water 0.44 0.44 0.46 0.46 0.45 0.52 0.55 0.49	Invert. from Particulate Firs 1.24 1.24 1.30 1.30 1.30 1.26 1.46 1.54	4 Fish t Quarter 1.50 1.50 1.57 1.57 1.53 1.76 1.86	4909 4784 3260 3181 4082 1130	body Bass ^a 1.5 1.7 1.3 1.1 1.0 1.9	Ratio Model 4 1.03 0.87 1.20 1.37 1.50 0.9	Water 0.09 0.09 0.09 0.09 0.09	Particulate from Water 0.73 0.73 0.73 0.73 0.73 0.73	Invert. from Particulate 2.03 2.03 2.03 2.03 2.03 2.03	5 Fish st Quarte 2.46 2.46 2.46 2.46	r 8063 7929 7883 7802	body Bass ^a 1.8 2.5 2.5 3.0	Ratio Model 5 1.33 0.97 0.99					
DSM2 Delta Water LocationWaterfromSacramento River RM 440.090.Cache Slough Ryer ^b 0.100.San Joaquin River Potato Slough0.170.Franks Tract0.190.Big Break0.130.Middle River Bullfrog0.310.Old River near Paradise Cut°0.730.Knights Landing ^d 0.230.Sacramento River RM 440.090.Cache Slough Ryer ^b 0.110.San Joaquin River Potato Slough0.240.Franks Tract0.270.Middle River Bullfrog0.610.Old River near Paradise Cut°0.230.	Water Particulate 44 1.24 45 1.25 47 1.32 48 1.33 46 1.28 50 1.40 55 1.53 49 1.36 55 1.55 Seco 44 1.24 45 1.27	4 Fish st Quarter 1.49 1.51 1.59 1.61 1.55 1.69 1.85 1.64 1.87 0nd Quarter 1.50	4997 4481 2786 2525 3630 1621 745 2111 665 er 4914	body Bass ^a 2.6 1.5 1.4 1.6 1.6 NA NA NA NA NA 1.7	0.57 1.01 1.17 0.98 1.00 NA NA NA	Water 0.09 0.14 0.15 0.11 0.46 0.78 0.23	from Water 0.44 0.44 0.46 0.46 0.45 0.52 0.55 0.49	Particulate Firs 1.24 1.24 1.30 1.30 1.30 1.26 1.46 1.54	4 Fish t Quarter 1.50 1.50 1.57 1.57 1.53 1.76 1.86	4909 4784 3260 3181 4082 1130	Bass ^a 1.5 1.7 1.3 1.1 1.0 1.9	1.03 0.87 1.20 1.37 1.50 0.9	Water 0.09 0.09 0.09 0.09 0.09	from Water 0.73 0.73 0.73 0.73 0.73 0.73	Particulate First 2.03 2.03 2.03 2.03 2.03 2.03	5 Fish st Quarte 2.46 2.46 2.46 2.46	r 8063 7929 7883 7802	Bass ^a 1.8 2.5 2.5 3.0	1.33 0.97 0.99					
Cache Slough Ryer ^b 0.10 0. San Joaquin River Potato Slough 0.17 0. Franks Tract 0.19 0. Big Break 0.13 0. Middle River Bullfrog 0.31 0. Old River near Paradise Cut ^o 0.73 0. Knights Landing ^d 0.23 0. Vernalis ^e 0.83 0. Sacramento River RM 44 0.09 0. San Joaquin River Potato Slough 0.24 0. Franks Tract 0.27 0. Big Break 0.20 0. Middle River Bullfrog 0.61 0. Old River near Paradise Cut ^o 0.68 0.	44 1.24 45 1.25 47 1.32 48 1.33 46 1.28 50 1.40 55 1.53 49 1.36 55 1.55 Secc 44 1.24 45 1.27	1.49 1.51 1.59 1.61 1.55 1.69 1.85 1.64 1.87 0nd Quarte 1.50	4997 4481 2786 2525 3630 1621 745 2111 665 er 4914	1.5 1.4 1.6 1.6 NA NA NA 1.7	1.01 1.17 0.98 1.00 NA NA NA	0.09 0.14 0.15 0.11 0.46 0.78 0.23	0.44 0.46 0.45 0.52 0.55 0.49	1.24 1.24 1.30 1.30 1.26 1.46 1.54	1.50 1.50 1.57 1.57 1.53 1.76 1.86	4784 3260 3181 4082 1130	1.7 1.3 1.1 1.0 1.9	0.87 1.20 1.37 1.50 0.9	0.09 0.09 0.09 0.09	0.73 0.73 0.73 0.73	2.03 2.03 2.03 2.03 2.03 2.03	2.46 2.46 2.46 2.46	8063 7929 7883 7802	2.5 2.5 3.0	0.97 0.99					
Cache Slough Ryerb0.100.San Joaquin River Potato Slough0.170.Franks Tract0.190.Big Break0.130.Middle River Bullfrog0.310.Old River near Paradise Cut°0.730.Knights Landingd0.230.Vernalise0.830.Sacramento River RM 440.090.Cache Slough Ryerb0.110.San Joaquin River Potato Slough0.240.Franks Tract0.270.Big Break0.200.Middle River Bullfrog0.610.Old River near Paradise Cut°0.680.Knights Landingd0.230.	45 1.25 47 1.32 48 1.33 46 1.28 50 1.40 55 1.53 49 1.36 55 1.55 Secco 44 1.24 45 1.27	1.51 1.59 1.61 1.55 1.69 1.85 1.64 1.87 0nd Quarte 1.50	4481 2786 2525 3630 1621 745 2111 665 er 4914	1.5 1.4 1.6 1.6 NA NA NA 1.7	1.01 1.17 0.98 1.00 NA NA NA	0.09 0.14 0.15 0.11 0.46 0.78 0.23	0.44 0.46 0.45 0.52 0.55 0.49	1.24 1.30 1.30 1.26 1.46 1.54	1.50 1.57 1.57 1.53 1.76 1.86	4784 3260 3181 4082 1130	1.7 1.3 1.1 1.0 1.9	0.87 1.20 1.37 1.50 0.9	0.09 0.09 0.09 0.09	0.73 0.73 0.73 0.73	2.03 2.03 2.03 2.03	2.46 2.46 2.46	7929 7883 7802	2.5 2.5 3.0	0.97 0.99					
San Joaquin RiverOutputSan Joaquin RiverPotato Slough0.170.Franks Tract0.190.Big Break0.130.Middle River Bullfrog0.310.Old River near Paradise Cut°0.730.Knights Landing ^d 0.230.Vernalis ^e 0.830.Sacramento River RM 440.090.Cache Slough Ryer ^b 0.110.San Joaquin River Potato Slough0.240.Franks Tract0.270.Big Break0.200.Middle River Bullfrog0.610.Old River near Paradise Cut°0.680.Knights Landing ^d 0.230.	47 1.32 48 1.33 46 1.28 50 1.40 55 1.53 49 1.36 55 1.55 Seco 44 1.24 45 1.27	1.59 1.61 1.55 1.69 1.85 1.64 1.87 0nd Quarte 1.50	2786 2525 3630 1621 745 2111 665 er 4914	1.4 1.6 1.6 NA NA NA 1.7	1.17 0.98 1.00 NA NA NA	0.14 0.15 0.11 0.46 0.78 0.23	0.46 0.45 0.52 0.55 0.49	1.30 1.30 1.26 1.46 1.54	1.57 1.57 1.53 1.76 1.86	3260 3181 4082 1130	1.3 1.1 1.0 1.9	1.20 1.37 1.50 0.9	0.09 0.09 0.09	0.73 0.73 0.73	2.03 2.03 2.03	2.46 2.46	7883 7802	2.5 3.0	0.99					
Franks Tract0.190.Big Break0.130.Middle River Bullfrog0.310.Old River near Paradise Cut°0.730.Knights Landingd0.230.Vernalise0.830.Sacramento River RM 440.090.Cache Slough Ryerb0.110.San Joaquin River Potato Slough0.240.Franks Tract0.270.Big Break0.200.Middle River Bullfrog0.610.Old River near Paradise Cut°0.680.Knights Landingd0.230.	48 1.33 46 1.28 50 1.40 55 1.53 49 1.36 55 1.55 Second 44 44 1.24 45 1.27	1.61 1.55 1.69 1.85 1.64 1.87 0nd Quarte 1.50	2525 3630 1621 745 2111 665 er 4914	1.6 1.6 NA NA NA 1.7	0.98 1.00 NA NA NA	0.15 0.11 0.46 0.78 0.23	0.46 0.45 0.52 0.55 0.49	1.30 1.26 1.46 1.54	1.57 1.53 1.76 1.86	3181 4082 1130	1.1 1.0 1.9	1.37 1.50 0.9	0.09	0.73 0.73	2.03 2.03	2.46	7802	3.0						
Big Break 0.13 0. Middle River Bullfrog 0.31 0. Old River near Paradise Cut° 0.73 0. Knights Landing ^d 0.23 0. Vernalis ^e 0.83 0. Sacramento River RM 44 0.09 0. Cache Slough Ryer ^b 0.11 0. San Joaquin River Potato Slough 0.24 0. Franks Tract 0.20 0. Middle River Bullfrog 0.61 0. Old River near Paradise Cut° 0.68 0. Knights Landing ^d 0.23 0.	46 1.28 50 1.40 55 1.53 49 1.36 55 1.55 Secc 44 1.24 45 1.27	1.55 1.69 1.85 1.64 1.87 0nd Quarte 1.50	3630 1621 745 2111 665 er 4914	1.6 NA NA NA 1.7	1.00 NA NA NA	0.11 0.46 0.78 0.23	0.45 0.52 0.55 0.49	1.26 1.46 1.54	1.53 1.76 1.86	4082 1130	1.0 1.9	1.50 0.9	0.09	0.73	2.03				0.82					
Middle River Bullfrog0.310.Old River near Paradise Cut°0.730.Knights Landingd0.230.Vernalis*0.830.Sacramento River RM 440.090.Cache Slough Ryerb0.110.San Joaquin River Potato Slough0.240.Franks Tract0.270.Big Break0.200.Middle River Bullfrog0.610.Old River near Paradise Cut°0.680.Knights Landingd0.230.	50 1.40 55 1.53 49 1.36 55 1.55 Seco 44 1.24 45 1.27	1.69 1.85 1.64 1.87 ond Quarte 1.50	1621 745 2111 665 er 4914	NA NA NA 1.7	NA NA NA	0.46 0.78 0.23	0.52 0.55 0.49	1.46 1.54	1.76 1.86	1130	1.9	0.9				2.46	7926	2.0						
Old River near Paradise Cut° 0.73 0. Knights Landing ^d 0.23 0. Vernalis ^e 0.83 0. Sacramento River RM 44 0.09 0. Cache Slough Ryer ^b 0.11 0. San Joaquin River Potato Slough 0.24 0. Franks Tract 0.27 0. Big Break 0.20 0. Middle River Bullfrog 0.61 0. Old River near Paradise Cut° 0.68 0.	55 1.53 49 1.36 55 1.55 Secc 44 1.24 45 1.27	1.85 1.64 1.87 ond Quarte 1.50	745 2111 665 er 4914	NA NA 1.7	NA NA	0.78 0.23	0.55 0.49	1.54	1.86				0.20	0.71	2.00			2.8	0.87					
Knights Landing ^d 0.23 0. Vernalis ^e 0.83 0. Sacramento River RM 44 0.09 0. Cache Slough Ryer ^b 0.11 0. San Joaquin River Potato Slough 0.24 0. Franks Tract 0.27 0. Big Break 0.20 0. Middle River Bullfrog 0.61 0. Old River near Paradise Cut ^o 0.68 0. Knights Landing ^d 0.23 0.	49 1.36 55 1.55 Seco 44 1.24 45 1.27	1.64 1.87 ond Quarte 1.50	2111 665 er 4914	NA 1.7	NA	0.23	0.49			700		0.0				2.42	3616	2.1	1.14					
Vernalise 0.83 0. Sacramento River RM 44 0.09 0. Cache Slough Ryer ^b 0.11 0. San Joaquin River Potato Slough 0.24 0. Franks Tract 0.27 0. Big Break 0.20 0. Middle River Bullfrog 0.61 0. Old River near Paradise Cut ^o 0.68 0. Knights Landing ^d 0.23 0.	55 1.55 Secc 44 1.24 45 1.27	1.87 ond Quarte 1.50	665 er 4914	1.7				1.36			2.4	0.8	0.56	0.70	1.96	2.37	1247	NA	NA					
Sacramento River RM 44 0.09 0. Cache Slough Ryer ^b 0.11 0. San Joaquin River Potato Slough 0.24 0. Franks Tract 0.27 0. Big Break 0.20 0. Middle River Bullfrog 0.61 0. Old River near Paradise Cut ^o 0.68 0. Knights Landing ^d 0.23 0.	Seco 44 1.24 45 1.27	ond Quarte 1.50	er 4914		1.10	0.85	0.55		1.64	2111	2.2	0.7	0.23	0.71	1.99	2.41	3098	NA	NA					
Cache Slough Ryer ^b 0.11 0. San Joaquin River Potato Slough 0.24 0. Franks Tract 0.27 0. Big Break 0.20 0. Middle River Bullfrog 0.61 0. Old River near Paradise Cut ^o 0.68 0. Knights Landing ^d 0.23 0.	44 1.24 45 1.27	1.50	4914	2.6				1.55	1.87	651	1.9	0.99	0.58	0.70	1.96	2.37	1206	2.4	0.99					
Cache Slough Ryer ^b 0.11 0. San Joaquin River Potato Slough 0.24 0. Franks Tract 0.27 0. Big Break 0.20 0. Middle River Bullfrog 0.61 0. Old River near Paradise Cut ^o 0.68 0. Knights Landing ^d 0.23 0.	45 1.27			2.6	Second Quarter						Second Quarter							Second Quarter						
San Joaquin River Potato Slough 0.24 0. Franks Tract 0.27 0. Big Break 0.20 0. Middle River Bullfrog 0.61 0. Old River near Paradise Cut ^o 0.68 0. Knights Landing ^d 0.23 0.		1.53			0.57	0.09	0.44	1.24	1.50	4910	1.5	1.03	0.09	0.73	2.03	2.46	8061	1.8	1.33					
Franks Tract 0.27 0. Big Break 0.20 0. Middle River Bullfrog 0.61 0. Old River near Paradise Cut ^c 0.68 0. Knights Landing ^d 0.23 0.			4007	1.5	1.03	0.10	0.45	1.25	1.51	4596	1.7	0.87	0.10	0.72	2.03	2.45	7061	2.5	0.96					
Big Break0.200.Middle River Bullfrog0.610.Old River near Paradise Cut°0.680.Knights Landing ^d 0.230.	49 1.36	1.65	2041	1.4	1.22	0.36	0.51	1.42	1.72	1399	1.3	1.32	0.13	0.72	2.02	2.44	5343	2.5	0.98					
Middle River Bullfrog 0.61 0. Old River near Paradise Cut ^c 0.68 0. Knights Landing ^d 0.23 0.	49 1.38	1.67	1826	1.6	1.02	0.49	0.52	1.46	1.77	1077	1.1	1.55	0.14	0.72	2.02	2.44	5204	3.0	0.82					
Old River near Paradise Cut ^o 0.68 0. Knights Landing ^d 0.23 0.	48 1.34	1.62	2441	1.6	1.04	0.30	0.50	1.39	1.69	1683	1.0	1.65	0.12	0.72	2.02	2.45	6220	2.8	0.86					
Knights Landing ^d 0.23 0.	54 1.50	1.81	876	NA	NA	0.75	0.55	1.53	1.85	732	1.9	1.0	0.29	0.71	1.99	2.40	2424	2.1	1.1					
	54 1.51	1.83	801	NA	NA	0.84	0.55	1.55	1.87	658	2.4	0.8	0.43	0.70	1.97	2.38	1617	NA	NA					
Vernalis ^e 0.83 0.	49 1.36	1.64	2111	NA	NA	0.23	0.49	1.36	1.64	2111	2.2	0.7	0.23	0.71	1.99	2.41	3098	NA	NA					
V CHILLIO	55 1.55	1.87	665	1.7	1.10	0.85	0.55	1.55	1.87	651	1.9	0.99	0.58	0.70	1.96	2.37	1206	2.4	0.99					
	Third Quarter							Thir		Third Quarter														
Sacramento River RM 44 0.09 0.	44 1.24	1.50	4910	2.6	0.57	0.09	0.44	1.24	1.50	4910	1.5	1.03	0.09	0.73	2.03	2.46	8064	1.8	1.33					
Cache Slough Ryer ^b 0.11 0.	45 1.26	1.53	4135	1.5	1.02	0.09	0.44	1.24	1.50	4885	1.7	0.87	0.10	0.72	2.03	2.45	6980	2.5	0.96					
San Joaquin River Potato Slough 0.10 0.	44 1.25	1.51	4637	1.4	1.11	0.10	0.45	1.25	1.51	4584	1.3	1.15	0.10	0.72	2.03	2.46	7510	2.5	0.99					
Franks Tract 0.10 0.	45 1.25	1.51	4499	1.6	0.92	0.11	0.45	1.26	1.52	4274	1.1	1.33	0.10	0.72	2.03	2.45	7276	3.0	0.82					
Big Break 0.10 0.	45 1.25	1.52	4356	1.6	0.98	0.10	0.45	1.26	1.52	4304	1.0	1.49	0.10	0.72	2.03	2.45	7131	2.8	0.87					
Middle River Bullfrog 0.20 0.	48 1.34	1.63	2350	NA	NA	0.30	0.50	1.39	1.69	1677	1.9	0.9	0.12	0.72	2.02	2.45	6235	2.1	1.15					
Old River near Paradise Cut ^c 0.75 0.	55 1.53	1.85	725	NA	NA	0.80	0.55	1.54	1.86	687	2.4	0.8	0.53	0.70	1.96	2.37	1317	NA	NA					
Knights Landing ^d 0.23 0.	40 4.20	1.64	2111	NA	NA	0.23	0.49	1.36	1.64	2111	2.2	0.7	0.23	0.71	1.99	2.41	3098	NA	NA					
Vernalis ^e 0.83 0.	49 1.36		665	1.7	1.10	0.85	0.55	1.55	1.87	651	1.9	0.99	0.58	0.70	1.96	2.37	1206	2.4	0.99					

1 Table M-7 (continued). Selenium Bioaccumulation from Water (μg/L) to Particulates and Fish (μg/g, dw) Using Model 2 with Estimated Kd from Normal/Wet Years Regression for Model 4 and Dry Years Regression for Model 5

	Year 2000								Year 2005								Year 2007						
	Concentration					Fish-to-Bass Ratio	Concentration					Whole-	Fish-to-Bass Ratio	Concentration					Whole-	Fish-to-Bass Ratio			
DSM2 Delta Water Location	DSM2 Water	Particulate from Water	Invert. from Particulate	Model 4 Fish	Whole- body K _d Bass ^a	Model 4	DSM2 Water	Particulate from Water	Invert. from Particulate	Model 4 Fish	Kd	body Bass ^a	I I	DSM2 Water	Particulate from Water	Invert. from Particulate	Model 5 Fish	Kd	body Bass ^a	Model 5			
	Fourth Quarter							Fourth Quarter								Fourth Quarter							
Sacramento River RM 44	0.09	0.44	1.24	1.50	4911	2.6	0.57	0.09	0.44	1.24	1.50	4909	1.5	1.03	0.09	0.73	2.03	2.46	8064	1.8	1.33		
Cache Slough Ryer ^b	0.10	0.45	1.25	1.52	4383	1.5	1.02	0.09	0.44	1.24	1.50	4820	1.7	0.87	0.10	0.72	2.03	2.45	7209	2.5	0.96		
San Joaquin River Potato Slough	0.09	0.44	1.24	1.50	4723	1.4	1.11	0.09	0.44	1.24	1.50	4862	1.3	1.15	0.09	0.73	2.03	2.46	7682	2.5	0.99		
Franks Tract	0.10	0.44	1.24	1.51	4660	1.6	0.91	0.09	0.44	1.24	1.50	4843	1.1	1.31	0.10	0.73	2.03	2.46	7564	3.0	0.82		
Big Break	0.10	0.45	1.25	1.51	4593	1.6	0.97	0.09	0.44	1.24	1.50	4804	1.0	1.47	0.10	0.72	2.03	2.46	7386	2.8	0.87		
Middle River Bullfrog	0.30	0.50	1.40	1.69	1669	NA	NA	0.24	0.49	1.37	1.65	2020	1.9	0.9	0.17	0.72	2.01	2.43	4260	2.1	1.14		
Old River near Paradise Cut ^c	0.81	0.55	1.54	1.87	678	NA	NA	0.72	0.54	1.52	1.84	759	2.4	0.8	0.57	0.70	1.96	2.37	1229	NA	NA		
Knights Landing ^d	0.23	0.49	1.36	1.64	2111	NA	NA	0.23	0.49	1.36	1.64	2111	2.2	0.7	0.23	0.71	1.99	2.41	3098	NA	NA		
Vernalis ^e	0.83	0.55	1.55	1.87	665	1.7	1.10	0.85	0.55	1.55	1.87	651	1.9	0.99	0.58	0.70	1.96	2.37	1206	2.4	0.99		

Notes:

Equations from Presser and Luoma (2010a, 2010b) were used to calculate selenium concentrations for fish. Models 4 and 5 used the average selenium trophic transfer factors to aquatic insects (2.8) and fish (1.1 for all trophic levels).

Model 4 = Model 2 (TL-4 Fish Eating TL-3 Fish) with K_4 estimated using normal/wet years regression (log K_4 = 2.75-0.90(logDSM2))

Model 5 = Model 2 (TL-4 Fish Eating TL-3 Fish) with K₄ estimated using dry years (2007) regression (log K₄ = 2.84-1.02(log DSM2))

Invert. = invertebrate

K₄ = particulate concentration/water concentration ratio

μg/g, dw = micrograms per gram, dry weight

NA = not available; bass not collected here

RM = river mile

TL = trophic level

* Geometric mean calculated from whole-body largemouth bass data presented in Foe (2010a).

^b Fish data collected at Rio Vista (Foe 2010a) were used to calculate geometric mean whole-body largemouth bass and ratios.

* Fish data collected at Old River near Tracy (Foe 2010a) were used to calculate geometric mean whole-body largemouth bass and ratios.

⁴ Geometric mean of total selenium concentrations in water collected from years 2004, 2007, and 2008 (DWR Website 2009) was used to calculate geometric mean whole-body largemouth bass and ratios.

* Geometric mean of selenium concentrations (total or dissolved was not specified) in water collected from years 1999-2000 (SWAMP Website 2009) was used to estimate Year 2000 selenium concentrations in particulates and biota (DSM2 data were not available); years 2004-2005 were used for Year 2005 estimates; and years 2006-2007 were used for Year 2007 estimates.