

Appendix F. Selenium concentrations ($\mu\text{g/g}$ dry weight) in sediment collected from various stations at Walter Walker State Wildlife Area.

Station	Date	Day of study	Sediment type	Sediment section	Selenium ($\mu\text{g/g}$)	Solids			Carbon			Texture		
						Total (%)	Volatile (%)	Fixed (%)	Total (mg/g)	Inorganic (mg/g)	Organic (mg/g)	Clay (%)	Silt (%)	Sand (%)
WW1	04/25/96	358	Mixed ¹		0.4	70.8	1.5	98.5	10.2	6.1	4.1	6.7	22.2	70.2
WW4	05/04/95	1	Mixed		20.8	NS ²	NS	NS	NS	NS	NS	NS	NS	NS
	10/18/95	168	Mixed		13.1	47.5	3.8	96.2	25.0	9.1	15.9	16.3	22.8	60.6
	04/25/96	358	Mixed		14.8	35.2	8.8	91.2	36.4	11.4	25.0	23.0	38.8	38.8
	08/23/96	478	Core	Top	18.0	33.9	8.8	91.2	45.6	23.6	22.0	NS	NS	NS
				Middle	11.3	57.5	5.9	94.1	31.6	15.7	15.8	NS	NS	NS
				Bottom	7.7	64.3	3.8	96.2	26.9	15.1	11.8	NS	NS	NS
	11/19/96	566	Core	Top	19.6	NS	NS	NS	NS	NS	NS	NS	NS	NS
				Middle	16.3	NS	NS	NS	NS	NS	NS	NS	NS	NS
				Bottom	1.6	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/13/96 to 03/12/97	560 to 679	Trap	Top	3.4	NS	NS	NS	NS	NS	NS	NS	NS	NS
				Middle	3.8	NS	NS	NS	NS	NS	NS	NS	NS	NS
				Bottom	17.2	NS	NS	NS	NS	NS	NS	NS	NS	NS
	04/06/98	1,062	Core	Top	0.4	NS	NS	NS	NS	NS	NS	NS	NS	NS
				Middle	0.5	NS	NS	NS	NS	NS	NS	NS	NS	NS
				Bottom	0.3	NS	NS	NS	NS	NS	NS	NS	NS	NS
09/09/98	1,218	Core	Top	0.6	NS	NS	NS	NS	NS	NS	NS	NS	NS	
			Middle	0.3	NS	NS	NS	NS	NS	NS	NS	NS	NS	
			Bottom	0.5	NS	NS	NS	NS	NS	NS	NS	NS	NS	
WW5	05/04/95	1	Mixed		4.0	NS	NS	NS	NS	NS	NS	NS	NS	
	10/18/95	168	Mixed		6.0	41.2	6.5	93.5	33.9	17.8	16.1	48.6	40.1	11.0
	04/25/96	358	Mixed		8.0	39.4	4.8	95.2	29.0	15.1	13.9	29.3	40.2	30.0
	08/23/96	478		Top	8.1	40.0	6.8	93.2	32.5	17.6	15.0	NS	NS	NS
Middle				7.3	61.9	4.1	95.9	25.1	13.3	11.8	NS	NS	NS	
Bottom				7.4	65.4	4.1	95.9	24.5	11.2	13.2	NS	NS	NS	
WW6	05/04/95	1	Mixed		4.8	NS	NS	NS	NS	NS	NS	NS	NS	
	10/18/95	168	Mixed		5.5	45.3	6.5	93.5	35.7	19.2	16.5	55.0	43.4	1.6
	04/25/96	358	Mixed		7.2	43.2	6.3	93.7	35.9	18.5	17.4	49.8	43.6	6.6
	08/23/96	478	Core	Top	6.1	33.4	6.7	93.3	38.4	21.9	16.5	NS	NS	NS
				Middle	8.1	46.8	6.6	93.4	37.0	19.8	17.2	NS	NS	NS
Bottom				2.7	48.9	6.2	93.8	33.7	18.7	15.0	NS	NS	NS	
11/19/96	566	Core	Top	5.4	NS	NS	NS	NS	NS	NS	NS	NS		

Appendix F. Continued.

Station	Date	Day of study	Sediment type	Sediment section	Selenium (µg/g)	Solids			Carbon			Texture			
						Total (%)	Volatile (%)	Fixed (%)	Total (mg/g)	Inorganic (mg/g)	Organic (mg/g)	Clay (%)	Silt (%)	Sand (%)	
WW6	11/19/96	566	Core	Middle	7.7	NS	NS	NS	NS	NS	NS	NS	NS	NS	
				Bottom	5.0	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/12/96 to 03/12/97	559 to 679	Trap	Top	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
				Middle	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	04/06/98	1,062	Core	Bottom	4.4	NS	NS	NS	NS	NS	NS	NS	NS	NS	
				Top	1.9	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	09/09/98	1,218	Core	Middle	3.9	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				Bottom	18.0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				Top	0.5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				Middle	0.6	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
WW7	05/04/95	1	Mixed	Bottom	0.4	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	10/18/95	168		17.8	NS	NS	NS	NS	NS	NS	NS	NS	NS		
	04/25/96	358	Mixed		14.5	53.7	5.1	94.9	36.3	18.6	17.7	24.2	64.1	10.9	
	08/23/96	478	Core	Top	15.7	31.9	6.8	93.2	39.0	19.2	19.8	34.4	60.0	5.2	
				Middle	8.5	48.7	6.1	93.9	30.6	16.6	14.0	NS	NS	NS	
WW8	05/04/95 to 08/23/96	1 to 478	Core	Bottom	9.2	62.8	4.5	95.5	28.3	14.1	14.2	NS	NS	NS	
				Top	13.7	54.1	5.1	94.9	33.6	16.7	16.8	NS	NS	NS	
				Middle	5.6	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	10/18/95	168	Mixed		4.4	53.9	5.4	94.6	32.3	15.0	17.3	28.7	70.5	0.5	
					4.4	28.2	6.0	94.0	34.6	13.1	21.4	27.1	71.0	1.7	
	08/23/96	478	Core	Top	5.2	45.7	7.1	92.9	31.8	15.3	16.5	NS	NS	NS	
				Middle	1.7	61.5	7.0	93.0	27.7	13.8	13.9	NS	NS	NS	
				Bottom	1.1	62.7	4.7	95.3	28.0	10.4	17.6	NS	NS	NS	
	11/19/96	566	Core	Top	6.6	NS	NS	NS	NS	NS	NS	NS	NS	NS	
				Middle	9.4	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Bottom				0.9	NS	NS	NS	NS	NS	NS	NS	NS	NS		
11/12/96 to 03/12/97	559 to 679	Trap	Top	5.9	NS	NS	NS	NS	NS	NS	NS	NS	NS		
			Middle	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
04/06/98	1,062	Core	Bottom	5.5	NS	NS	NS	NS	NS	NS	NS	NS	NS		
			Top	1.8	NS	NS	NS	NS	NS	NS	NS	NS	NS		
			Middle	0.6	NS	NS	NS	NS	NS	NS	NS	NS	NS		
09/09/98	1,218	Core	Bottom	3.4	NS	NS	NS	NS	NS	NS	NS	NS			
			Top	1.1	NS	NS	NS	NS	NS	NS	NS	NS			

Appendix F. Continued.

Station	Date	Day of study	Sediment type	Sediment section	Selenium (µg/g)	Solids			Carbon			Texture			
						Total (%)	Volatile (%)	Fixed (%)	Total (mg/g)	Inorganic (mg/g)	Organic (mg/g)	Clay (%)	Silt (%)	Sand (%)	
WW8	09/09/98	1,218	Core	Middle	0.9	NS	NS	NS	NS	NS	NS	NS	NS	NS	
				Bottom	0.5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
WW8b	11/19/96	566	Core	Top	6.8	NS	NS	NS	NS	NS	NS	NS	NS	NS	
				Middle	14.6	NS	NS	NS	NS	NS	NS	NS	NS	NS	
				Bottom	0.6	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/12/96 to 03/12/97	559 To 679	Trap	Top	5.3	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				Middle	5.8	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	04/06/98	1,062	Core	Top	1.4	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				Middle	0.5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				Bottom	4.4	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	09/09/98	1,218	Core	Top	1.1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				Middle	2.2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Bottom				6.9	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
WW9	05/04/95	1	Mixed		2.7	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	10/18/95	168	Mixed		2.4	56.2	4.8	95.2	27.2	11.8	15.4	24.5	61.3	14.1	
	04/25/96	358	Mixed		2.6	34.4	4.5	95.5	25.0	11.2	13.8	26.5	60.5	12.8	
	08/23/96	478	Core	Top	1.7	58.2	4.6	95.4	24.3	9.2	15.1	NS	NS	NS	
				Middle	2.1	64.4	4.9	95.1	26.4	10.7	15.6	NS	NS	NS	
			Bottom	0.8	69.3	2.9	97.1	15.0	9.3	5.7	NS	NS	NS		

¹Mixed: The sediment was thoroughly mixed before subsampling for chemical analysis.

²NS: Not sampled.