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ENVIRONMENTAL RADIOLOGICAL STUDIES DOWNSTREAM
FROM THE RANCHO SECO NUCLEAR POWER GENERATING STATION - 1985.
APPENDICES

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100-100-100

APPENDIX I

Concentrations of radionuclides in flesh of fish caught on 2-7-85, 4.6 km
(Station R-5) from the plant outfall.

Sample ID	Common Name	Number of fish in pooled sample	Dry/wet wt	Mean fresh wt whole fish (g)	pCi/g wet wt ^a ¹³⁴ Cs	¹³⁷ Cs
J439	Catfish	1	.199	220	4.45(1)	11.4(1)

^a Number in parenthesis is the 1σ counting error expressed as % of the value listed.

Concentrations of radionuclides in GIT contents of fish caught on 2-7-85, 4.6 km (Station R-5) from the plant outfall.

Sample ID ^a	Common Name	Dry/wet wt	¹³⁴ Cs	pCi/g wet wt ^b ¹³⁷ Cs	⁶⁰ Co	⁵⁴ Mn
J440(439)	Catfish	.179	2.6(13)	6.9(4)	5.9(4)	0.6(35)

^a See previous table for concentrations in flesh and related information. Number in parenthesis is the sample ID for the respective flesh sample.

^b Number in parenthesis is the 1 σ counting error expressed as % of value listed.

Concentrations of radionuclides in flesh of fish caught on 3-19-85, 0.5 km (Station RS-17) from the plant outfall.

Sample ID	Common name	Number of fish in pooled sample	Dry/wet wt	Mean Fresh wt whole fish (g)	pCi/g wet wt ^a	
					¹³⁴ Cs	¹³⁷ Cs
J560	Bluegill	1	.191	140	3.9(2)	10.2(2)
J562	Bluegill	1	.191	147	3.3(2)	8.6(2)
J564	Bluegill	1	.199	103	2.4(5)	6.4(3)
J566	Bluegill	1	.196	99	3.4(2)	9.3(2)
J568	Bluegill	1	.199	66	5.0(2)	13.4(2)
J570	Largemouth Bass	1	.209	266	1.9(2)	4.8(2)
J572	Largemouth Bass	1	.205	232	3.5(2)	9.3(1)
J574	Largemouth Bass	1	.203	256	3.6(1)	1.7(1)
J576	Largemouth Bass	1	.203	204	3.6(1)	9.7(1)
J578	Largemouth Bass	1	.205	185	3.4(2)	8.9(1)
J580	Largemouth Bass	1	.191	105	1.7(7)	4.6(3)
J582	Catfish	1	.184	181	2.4(6)	6.4(2)
J584	Catfish	1	.224	147	2.9(5)	8.4(2)
J586	Catfish	1	.175	142	2.2(5)	5.9(3)
J588	Catfish	1	.173	107	2.1(7)	5.3(3)
J590	Catfish	1	.190	101	1.8(6)	5.0(3)

^a Number in parenthesis is the 1 σ counting error expressed as % of the value listed.

Concentrations of radionuclides in the GIT contents of fish caught on 3-19-85, 0.5 km (Station RS-17) from the plant outfall.

Sample ID ^a	Common Name	Dry/wet wt	pCi/g wet wt ^b	
			¹³⁴ Cs	¹³⁷ Cs
J563 (562)	Bluegill	.164	1.7 (22)	4.1 (10)
J565 (564)	Bluegill	.171	2.1 (24)	4.7 (15)
J567 (566)	Bluegill	.106	1.9(27)	5.6(10)
J569 (568)	Bluegill	.204	3.2(40)	8.2(12)
J571 (570)	Largemouth Bass	.194	2.1(60)	6.2(13)
J573 (572)	Largemouth Bass	.186	2.5(60)	6.8(24)
J575 (574)	Largemouth Bass	.190	2.6 (13)	6.9 (6)
J577 (576)	Largemouth Bass	.180	1.9 (27)	6.3 (11)
J579 (578)	Largemouth Bass	.182	2.0(60)	5.9(16)
J581 (580)	Largemouth Bass	.120	1.5 (31)	3.8 (12)
J583 (582)	Catfish	.238	2.2(10)	6.9(5)
J585 (584)	Catfish	.200	3.3 (28)	8.5(18)
J587 (586)	Catfish	.272	3.0(20)	7.0(9)
J589 (588)	Catfish	.242	3.4(24)	7.1(13)

^a See previous table for concentrations in flesh and related information. Number in parenthesis is the sample ID for the respective flesh sample.

^b Number in parenthesis is the 1 σ counting error expressed as % of value listed.

Concentrations of radionuclides in flesh of fish caught on 3-21-85, 0.6 km (Station RS-30) from the plant outfall.

Sample ID	Common Name	Number of fish in pooled sample	Dry/wet wt	Mean fresh wt whole fish (g)	pCi/g wet wt ¹³⁴ Cs	pCi/g wet wt ¹³⁷ Cs
J554	Bluegill	4	.194	154	2.00(2)	5.41(1)
J556	Largemouth Bass	3	.212	544	4.82(1)	13.0(1)

^a Number in parenthesis is the 1σ counting error expressed as % of the value listed.

RS-30 is a sump pond connected to Clay Creek Station RS-17 by an underground pipe.

Concentrations of radionuclides in GIT contents of fish caught on 3-21-85, 0.6 km (Station RS-30) from the plant outfall.

Sample ID ^a	Common Name	Dry/wet wt	pCi/g wet wt ^D		⁶⁰ Co	⁵⁴ Mn
			¹³⁴ Cs	¹³⁷ Cs		
J555 (554)	Bluegill	.113	1.5(1)	4.5(4)	0.5(18)	0.4(34)
J557 (556)	Largemouth Bass	.147	3.7(3)	10.0(2)	0.47(10)	bd

^a See previous table for concentrations in flesh and related information. Number in parenthesis is the sample ID for the respective flesh sample.

^b Number in parenthesis is the 1σ counting error expressed as % of value listed.

bd below detection.

Concentrations of radionuclides in flesh of fish caught on 3-21-85,
3.0 km (Station T-1) from the plant outfall.

Sample ID	Common Name	Number of fish in pooled sample	Dry/wet wt	Mean fresh wt whole fish (g)	pCi/g wet wt ¹³⁴ Cs	wt ¹³⁷ Cs
J646	Bluegill	1	.199	83	0.63(18)	1.6(7)
J648	Bluegill	1	.197	80	0.74(12)	2.1(5)
J650	Bluegill	1	.201	58	1.5(11)	4.0(5)
J652	Bluegill	1	.193	55	5.1(8)	13.6(2)
J654	Catfish	1	.173	391	1.6(3)	4.4(2)
J656	Catfish	1	.181	141	2.0(7)	4.8(3)
J662	Catfish	1	.163	132	1.7(5)	4.6(2)
J664	Catfish	1	.178	95	1.7(6)	4.8(3)
J670	Catfish	1	.174	100	1.5(6)	3.9(3)
J672	Catfish	1	.170	85	1.8(9)	4.5(4)

^a Number in parenthesis is the 1σ counting error expressed as % of the value listed.

Concentrations of radionuclides in GIT contents of fish caught on 3-21-85.
3.0 km (Station T-1) from the plant outfall.

Sample ID ^a	Common Name	Dry/wet wt	pCi/g wet wt ^b	
			¹³⁴ Cs	¹³⁷ Cs
J647 (646)	Bluegill	.182	bd	2.6(26)
J649 (648)	Bluegill	.134	bd	4.3(18)
J651 (650)	Bluegill	.199	bd	5.2(25)
J653 (652)	Bluegill	.204	bd	6.8(21)
J655 (654)	Catfish	.462	2.8(14)	8.0(5)
J657 (656)	Catfish	.351	3.3(10)	9.7(5)
J663 (662)	Catfish	.368	3.5(16)	10.4(6)
J673 (672)	Catfish ^c	.514	3.0(10)	8.6(4)

^a See previous table for concentrations in flesh and related information.
Number in parenthesis is the sample ID for the respective flesh sample.

^b Number in parenthesis is the 1 σ counting error expressed as % of value listed.

^c ⁶⁰Co - 0.35(42) pCi/g wet

bd below detection.

Concentrations of radionuclides in flesh of fish caught on 3-20-85,
4.6 km (Station R-5) from the plant outfall.

Sample ID	Common name	Number of fish in pooled sample	Dry/wet wt	Mean fresh wt whole fish (g)	pCi/g wet wt ¹³⁴ Cs	wt wt ^a ¹³⁷ Cs
J442	Bluegill	1	.184	93	1.0(10)	2.6(5)
J444	Largemouth Bass	1	.204	422	3.1(2)	8.4(2)
J446	Largemouth Bass	1	.198	269	3.0(2)	8.1(1)
J448	Largemouth Bass	1	.197	191	2.0(2)	5.1(2)
J528	Catfish	1	.175	213	1.3(6)	3.2(3)
J530	Catfish	1	.181	230	2.1(3)	5.4(2)
J532	Catfish	1	.167	175	1.3(5)	3.6(3)
J534	Catfish	1	.172	124	1.7(7)	4.5(3)
J536	Catfish	1	.167	134	2.1(5)	5.4(3)
J538	Catfish	1	.179	122	3.4(4)	8.9(2)

^a Number in parenthesis is the 1 σ counting error expressed as % of the value listed.

Concentrations of radionuclides in the GIT contents of fish caught on 3-20-85, 4.6 km (Station R-5) from the plant outfall.

Sample ID ^a	Common Name	Dry/wet wt	pCi/g wet wt ^b	
			¹³⁴ Cs	¹³⁷ Cs
J443 (442)	Bluegill	.171	0.9 (40)	2.9 (18)
J445 (444)	Largemouth Bass	.127	1.5 (25)	4.0 (15)
J447 (446)	Largemouth Bass	.149	1.4 (35)	4.4 (21)
J449 (448)	Largemouth Bass	.167	2.7 (14)	7.7 (5)
J529 (528)	Catfish	.161	1.3 (12)	4.3 (4)
J531 (530)	Catfish	.127	1.5 (10)	3.8 (4)
J533 (532)	Catfish	.145	1.3 (9)	3.4 (6)
J535 (534)	Catfish	.250	3.6 (21)	9.4 (8)
J537 (536) ^c	Catfish	.239	2.6 (12)	6.7 (6)
J539 (538)	Catfish	.168	1.5 (14)	4.1 (4)

^a See previous table for concentrations in flesh and related information. Number in parenthesis is the sample ID for the respective flesh sample.

^b Number in parenthesis is the 1σ counting error expressed as % of value listed.

^c ⁶⁰Co - 1.2 (18) pCi/g wet

Concentrations of radionuclides in flesh of fish caught on 3-21-85,
6.0 km (Station R-52) from the plant outfall.

Sample ID	Common Name	Number of fish in pooled sample	Dry/wet wt	Mean fresh wt whole fish (g)	pCi/g wet wt ¹³⁴ Cs	wt ^a ¹³⁷ Cs
J634	Catfish	1	.167	107	bd	0.5(26)
J636	Catfish	1	.179	84	bd	0.7(23)
J638	Catfish	1	.170	69	bd	0.8(19)
J640	Catfish	1	.169	77	2.2(10)	5.7(4)
J642	Catfish	1	.167	58	bd	0.6(24)
J644	Catfish	1	.171	30	.5(91)	1.7(19)

^a Number in parenthesis is the 1σ counting error expressed as % of the value listed.

bd below detection.

Station R-52 is an irrigation pond (or pollution control pond) connected to Hadselville Creek, 6.0 km from the plant.

Concentrations of radionuclides in GIT contents of fish caught on 3-21-85,
6.0 km (Station R-52) from the plant outfall.

Sample ID ^a	Common Name	Dry/wet wt	pCi/g wet wt ^b	
			¹³⁴ Cs	¹³⁷ Cs
J635 (634)	Catfish	.237	bd	1.3(36)
J637 (636)	Catfish	.322	bd	3.1(21)
J639 (638)	Catfish	.294	0.6(45)	1.8(19)
J641 (640)	Catfish	.318	3.9(14)	10.5(5)
J643 (642)	Catfish	.334	bd	1.0(26)

^a See previous table for concentrations in flesh and related information.
Number in parenthesis is the sample ID for the respective flesh sample.

^b Number in parenthesis is the 1σ counting error expressed as % of value
listed.

bd below detection.

Concentrations of radionuclides in flesh of fish caught on 3-21-85,
7.5 km (Station T-2) from the plant outfall.

Sample ID	Common Name	Number of fish in pooled sample	Dry/wet wt	Mean fresh		
				wt whole fish (g)	pCi/g wet wt ¹³⁴ Cs	wt ^a ¹³⁷ Cs
J618	Bluegill	1	.190	97	bd	bd
J620	Bluegill	1	.191	50	0.36(30)	0.97(13)
J622	Catfish	1	.192	306	0.75(5)	1.96(3)
J624	Crappie	1	.199	242	1.27(4)	3.43(2)
J626	Crappie	1	.197	218	1.36(3)	3.60(2)
J628	Largemouth Bass	1	.199	918	0.70(2)	1.86(2)
J632	Largemouth Bass	1	.203	1215	0.06(14)	0.14(7)

^a Number in parenthesis is the 1 σ counting error expressed as % of the
value listed.

bd below detection.

Concentrations of radionuclides in the GIT contents of fish caught on 3-21-85, 7.5 km (Station T-2) from the plant outfall.

Sample ID ^a	Common Name	Dry/wet wt	pCi/g wet wt ^b	
			¹³⁴ Cs	¹³⁷ Cs
J619 (618)	Bluegill	.190	bd	bd
J621 (620)	Bluegill	.148	bd	bd
J623 (622)	Catfish	.203	1.0(36)	2.9(12)
J625 (624)	Crappie	.125	bd	2.1(42)
J629 (628)	Largemouth Bass	.195	bd	bd
J633 (632)	Largemouth Bass	.115	1.3(12)	3.3(5)

^a See previous table for concentrations in flesh and related information. Number in parenthesis is the sample ID for the respective flesh sample.

^b Number in parenthesis is the 1 σ counting error expressed as % of value listed.

bd below detection.

Concentrations of radionuclides in flesh of fish caught on 3-21-85,
10.2 km (Station T-3) from the plant outfall.

Sample ID	Common Name	Number of fish in pooled sample	Dry/wet wt	Mean fresh wt whole fish (g)	pCi/g wet wt ^a	
					¹³⁴ Cs	¹³⁷ Cs
J612	Largemouth Bass	1	.205	190	0.51(9)	1.31(4)
J614	Bluegill	4	.199	58	0.16(20)	0.36(12)

^a Number in parenthesis is the 1 σ counting error expressed as % of the value listed.

Concentrations of radionuclides in GIT contents of fish caught on 3-21-85,
10.2 km (Station T-3) from the plant outfall.

Sample ID ^a	Common Name	Dry/wet wt	pCi/g wet wt ^b	
			¹³⁴ Cs	¹³⁷ Cs
J613 (612)	Largemouth Bass	.205	bd	0.7(29)
J615 (614)	Bluegill	.133	bd	bd

^a See previous table for concentrations in flesh and related information.
Number in parenthesis is the sample ID for the respective flesh sample.

^b Number in parenthesis is the 1 σ counting error expressed as % of value
listed.

bd below detection.

Concentrations of radionuclides in flesh of fish caught on 3-21-85, 12.6 km (Station R-8) from the plant outfall.

Sample ID	Common Name	Number of fish in pooled sample	Dry/wet wt	Mean fresh wt whole fish (g)	pCi/g wet wt ^a	
					¹³⁴ Cs	¹³⁷ Cs
J606	Largemouth Bass	3	.198	198	1.84(3)	5.13(1)
J608	Bluegill	8	.196	87	0.08(16)	0.18(7)
J610	Bluegill	8	.191	48	0.07(20)	0.19(7)

^a Number in parenthesis is the 1 σ counting error expressed as % of the value listed.

Concentrations of radionuclides in GIT contents of fish caught on 3-21-85,
12.6 km (Station R-9) from the plant outfall.

Sample ID ^a	Common Name	Dry/wet wt	pCi/g wet wt ^b	
			¹³⁴ Cs	¹³⁷ Cs
J607 (606)	Largemouth Bass	.216	1.4(16)	3.4(6)
J609 (608)	Bluegill	.193	0.35(29)	0.62(13)
J611 (610)	Bluegill	.184	bd	0.5(33)

^a See previous table for concentrations in flesh and related information.
Number in parenthesis is the sample ID for the respective flesh sample.

^b Number in parenthesis is the 1 σ counting error expressed as % of value listed.

bd below detection.

Concentrations of radionuclides in flesh of fish caught on 3-21-85,
17.2 km (Station T-4) from the plant outfall.

Sample ID	Common Name	Number of fish in pooled sample	Dry/wet wt	Mean fresh wt whole fish (g)	pCi/g wet wt ^a	
					¹³⁴ Cs	¹³⁷ Cs
J598	Bluegill	4	.196	55	bd	0.14(23)
J600	Largemouth Bass	3	.207	334	0.10(7)	0.26(3)

^a Number in parenthesis is the 1σ counting error expressed as % of the value listed.

bd below detection.

Concentrations of radionuclides in GIT contents of fish caught on 3-21-85,
17.2 km (Station T-4) from the plant outfall.

Sample ID ^a	Common Name	Dry/wet wt	pCi/g wet wt	
			¹³⁴ Cs	¹³⁷ Cs
J599 (598)	Bluegill	.169	bd	bd
J601 (600)	Largemouth Bass	.191	bd	bd

^a See previous table for concentrations in flesh and related information.
Number in parenthesis is the sample ID for the respective flesh sample.

bd below detection.

Concentrations of radionuclides in flesh of Fish caught on 3-21-85, 19.5 km (Station R-11) from the plant outfall.

Sample ID	Common Name	Number of fish in		Mean fresh wt whole fish (g)	pCi/g wet wt ^a	
		pooled sample	Dry/wet wt		¹³⁴ Cs	¹³⁷ Cs
J592	Largemouth Bass	1	.213	1193	0.09(12)	0.19(5)
J594	Largemouth Bass	4	.219	417	0.06(15)	0.13(7)
J596	Bluegill	3	.192	71	bd	0.08(35)

^a Number in parenthesis is the 1 σ counting error expressed as % of the value listed.

bd below detection.

Concentrations of radionuclides in GIT contents of fish caught on 3/21/85,
19.5 km (Station R-11) from the plant outfall.

Sample ID ^a	Common Name	Dry/wet wt	pCi/g wet wt ^b	
			¹³⁴ Cs	¹³⁷ Cs
J593 (592)	Largemouth Bass	.177	bd	0.59(21)
J595 (594)	Largemouth Bass	.099	bd	0.09(40)
J597 (596)	Bluegill	.207	bd	bd

^a See previous table for concentrations in flesh and related information.
Number in parenthesis is the sample ID for the respective flesh sample.

^b Number in parenthesis is the 1σ counting error expressed as % of value
listed.

bd below detection.

Concentrations of radionuclides in flesh of fish caught on 4-26-85, 0.5 km (Station RS-17) from the plant outfall.

Sample ID	Common name	Number of fish in pooled sample	Dry/wet wt	Mean fresh wt whole fish (g)	pCi/g wet wt ^a	
					¹³⁴ Cs	¹³⁷ Cs
J984	Bluegill	6	.206	100	1.52(2)	4.13(1)
J991	Largemouth Bass	1	.213	514	3.99(1)	11.2(1)
J998	Largemouth Bass	1	.222	82	1.83(5)	5.35(2)
K001	Catfish	5	.183	95	2.40(2)	6.68(1)

^a Number in parenthesis is the 1 σ counting error expressed as % of the value listed.

Concentrations of radionuclides in GIT contents of fish collected on 4-26-85, 0.5 km (Station RS-17) from the plant outfall.

Sample ID ^a	Common name	Dry wet wt.	¹³⁴ Cs	pCi/g wet wt ^b ¹³⁷ Cs	⁶⁰ Co	⁵⁸ Co
J985 (984)	Bluegill	.180	1.6(18)	4.2(6)	0.5(26)	20(10)
J992 (991)	Largemouth Bass	.163	2.4(7)	6.2(3)	0.7(12)	6(21)
J999 (998)	Largemouth Bass	.160	bd	2.5(26)	bd	bd
K002 (001)	Catfish	.167	1.7(10)	5.6(4)	0.5(19)	8(18)

^a See previous table for concentrations in flesh and related information. Number in parenthesis is the sample ID for the respective flesh sample.

^b Number in parenthesis is the 1 σ counting error expressed as % on value listed.

bd- below detection.

Concentrations of radionuclides in other tissues of fish caught on 4-26-85, 0.5 km (Station RS-17) from the plant outfall.

Sample ID	Common name	Tissue/organ	pCi/g wet wt ^b	
			¹³⁴ Cs	¹³⁷ Cs
J986	Bluegill ^a	Liver	0.7(83)	2.2(18)
J987	Bluegill	Gonad	0.6(22)	2.0(7)
J989	Bluegill	Viscera	0.8(26)	1.9(9)
J980	Bluegill	Skin	0.7(12)	2.19(4)
K328	Bluegill	Bone	bd	1.0(30)
J993	Largemouth Bass ^a	Liver	1.4(17)	3.9(6)
J994	Largemouth Bass	Gonad	1.7(7)	4.34(3)
J995	Largemouth Bass	Bone	0.3(31)	0.90(7)
J996	Largemouth Bass	Viscera	1.0(14)	2.25(4)
J997	Largemouth Bass	Skin	2.1(8)	5.37(3)
K003	Catfish ^a	Bone	0.3(31)	0.6(13)
K004	Catfish	Viscera	1.0(25)	2.8(8)
K005	Catfish	Skin	1.2(16)	3.1(6)
K006	Catfish	Liver	1.0(34)	2.8(12)
K007	Catfish	Gonads	1.6(32)	2.9(15)

^a See previous 2 tables for concentrations in flesh, GIT contents and related information.

^b Number in parenthesis is the 1σ counting error expressed as % of value listed.

bd - below detection.

Concentrations of radionuclides in flesh of Fish caught on 4-25-85, 3.0 km (Station T-1) from the plant outfall.

Sample ID	Common name	Number of fish in pooled sample	Dry/wet wt	Mean fresh wt whole fish (g)	pCi/g wet wt ¹³⁴ Cs	wt ^a ¹³⁷ Cs
J978	Bluegill	2	.206	108	1.82(4)	5.24(2)
J979	Catfish	5	.185	88	1.94(3)	5.09(2)

^a Number in parenthesis is the 1σ counting error expressed as % of the value listed.

Concentrations of radionuclides in flesh of fish caught on 4-25-85, 4.6 km (Station R-5) from the plant outfall.

Sample ID	Common name	Number of fish in pooled sample	Dry/wet wt	Mean fresh wt whole fish (g)	pCi/g wet wt ^a	
					¹³⁴ Cs	¹³⁷ Cs
J980	Bluegill	7	.203	118	1.77(3)	4.69(1)
J981	Largemouth Bass	1	.204	307	2.81(2)	7.70(1)
J982	Catfish	6	.178	159	1.60(2)	4.47(1)

^a Number in parenthesis is the 1 σ counting error expressed as % of the value listed.

Concentrations of radionuclides in flesh of fish caught on 4-24-85, 7.5 km (Station T-2) from the plant outfall.

Sample ID	Common name	Number of fish in pooled sample	Dry/wet wt	Mean fresh wt whole fish (g)	pCi/g wet wt ¹³⁴ Cs	wt ^a ¹³⁷ Cs
J973	Bluegill	4	.208	138	0.33(7)	0.84(3)
J974	Catfish	8	.193	239	0.71(3)	1.98(1)

^a Number in parenthesis is the 1 σ counting error expressed as % of the value listed.

Concentrations of radionuclides in flesh of fish caught on 4-24-85, 10.2 km (Station T-3) from the plant outfall.

Sample ID	Common name	Number of fish in pooled sample	Dry/wet wt	Mean fresh wt whole fish (g)	pCi/g wet ¹³⁴ Cs	wt ¹³⁷ Cs ^a
J977	Bluegill	7	.208	69	0.13(14)	0.33(6)

^a Number in parenthesis is the 1 σ counting error expressed as % of the value listed.

Concentrations of radionuclides in flesh of fish caught on 4-23-85, 12.6 km (Station R-8) from the plant outfall.

Sample ID	Common name	Number of fish in pooled sample	Dry/wet wt	Mean fresh wt whole fish (g)	pCi/g wet ¹³⁴ Cs	wt ¹³⁷ Cs ^a
J970	Bluegill	9	.201	69	0.07(15)	0.18(6)
J971	Largemouth Bass	5	.209	183	0.37(3)	1.01(2)

^a Number in parenthesis is the 1σ counting error expressed as % of the value listed.

Concentrations of radionuclides in flesh of fish caught on 4-23-85, 17.2 km (Station T-4) from the plant outfall).

Sample ID	Common name	Number of fish in pooled sample	Dry/wet wt	Mean fresh wt whole fish (g)	pCi/g wet wt ^a	
					¹³⁴ Cs	¹³⁷ Cs
J968	Bluegill	9	.206	58	0.04(38)	0.10(9)
J969	Largemouth Bass	4	.207	269	0.12(6)	0.29(2)

^a Number in parenthesis is the 1σ counting error expressed as % of the value listed.

Concentrations of radionuclides in flesh of fish caught on 4-23-85, 19.5 km (Station R-11) from the plant outfall.

Sample ID	Common name	Number of fish in pooled sample	Dry/wet wt	Mean fresh wt whole fish (g)	pCi/g wet wt ^a	
					¹³⁴ Cs	¹³⁷ Cs
J966	Bluegill	6	.205	56	bd	0.05(28)
J967	Largemouth Bass	1	.195	79	bd	bd

^a Number in parenthesis is the 1σ counting error expressed as % of the value listed.

bd below detection.

Concentrations of radionuclides in flesh of fish caught on 5-23-85, 0.5 km (Station RS-17) from the plant outfall.

Sample ID	Common name	Number of fish in pooled sample	Dry/wet wt	Mean fresh wt whole fish (g)	pCi/g wet wt ^a	
					¹³⁴ Cs	¹³⁷ Cs
J760	Catfish	3	.169	69	1.09(6)	3.16(3)
J762	Catfish	4	.180	43	0.82(11)	2.11(4)
J764	Catfish	3	.167	29	0.75(15)	2.07(7)
J766	Bluegill	2	.179	169	2.82(2)	8.00(2)
J768	Bluegill	2	.185	120	1.47(8)	4.30(2)
J770	Bluegill	2	.182	60	1.57(7)	4.60(3)
J772	Largemouth Bass	2	.197	67	0.82(11)	2.08(4)
J774	Largemouth Bass	4	.162	36	0.59(10)	1.57(4)

^a Number in parenthesis is the 1 σ counting error expressed as % of the value listed.

Concentrations of radionuclides in GIT contents of fish caught on 5-23-85, 0.5 km (Station RS-17) from the plant outfall.

Sample ID ^a	Common Name	Dry/wet wt	¹³⁴ Cs	pCi/g wet wt ^b ¹³⁷ Cs	⁶⁰ Co	⁵⁸ Co
J761 (760)	Catfish	.112	0.8(16)	2.9(7)	bd	bd
J763 (762)	Catfish	.134	bd	2.5(12)	bd	bd
J767 (766)	Bluegill	.147	1.1(10)	3.0(4)	0.3(28)	1.0(22)
J773 (772)	Largemouth Bass	.199	2.8(10)	6.9(4)	0.9(15)	1.2(16)

^a See previous table for concentrations in flesh and related information. Number in parenthesis is the sample ID for the respective flesh sample.

^b Number in parenthesis is the 1 σ counting error expressed as % of value listed.

bd below detection.

Concentrations of radionuclides in flesh of fish caught on 5-22-85, 3.0 km (Station T-1) from the plant outfall.

Sample ID	Common name	Number of fish in pooled sample	Dry/wet wt	Mean fresh wt whole fish (g)	pCi/g wet wt ^a	
					¹³⁴ Cs	¹³⁷ Cs
K027	Bluegill	2	.206	111	1.02(5)	2.72(2)
K028	Catfish	6	.184	111	1.36(2)	3.81(1)

^a Number in parenthesis is the 1 σ counting error expressed as % of the value listed.

Concentrations of radionuclides in flesh of fish caught on 5-22-85, 4.6 km (Station R-5) from the plant outfall.

Sample ID	Common name	Number of fish in pooled sample	Dry/wet wt	Mean fresh wt whole fish (g)	pCi/g wet wt ^a	
					¹³⁴ Cs	¹³⁷ Cs
J748	Bluegill	1	.190	128	1.18(7)	3.14(3)
J750	Bluegill	2	.181	56	0.77(10)	2.1(5)
J752	Bluegill	2	.189	20	0.5(33)	1.9(11)
J754	Catfish	1	.224	167	1.66(5)	5.0(2)
J756	Catfish	10	.180	45	0.63(4)	1.67(2)

^a Number in parenthesis is the 1 σ counting error expressed as % of the value listed.

Concentrations of radionuclides in GIT contents of fish caught on 5-22-85, 4.6 km (Station R-5) from the plant outfall.

Sample ID ^a	Common Name	Dry/wet wt	pCi/g wet wt ^b		
			¹³⁴ Cs	¹³⁷ Cs	⁶⁰ Co
J749 (748)	Bluegill	.143	bd	2.0(30)	bd
J755 (754)	Catfish	.157	bd	2.5(13)	bd
J757 (756)	Catfish	.247	2.7(10)	8.1(4)	0.8(37)

^a See previous table for concentrations in flesh and related information. Number in parenthesis is the sample ID for the respective flesh sample.

^b Number in parenthesis is the 1σ counting error expressed as % of value listed.

bd below detection.

Concentrations of radionuclides in flesh of fish caught on 5-22-85.
7.5 km (Station T-2) from the plant outfall.

Sample ID	Common name	Number of fish in pooled sample	Dry/wet wt wt	Mean fresh wt whole fish (g)	pCi/g wet wt ^a	
					¹³⁴ Cs	¹³⁷ Cs
K030	Bluegill	10	.201	83	0.20(11)	0.58(4)
K031	Largemouth Bass	2	.212	248	1.53(2)	4.47(1)
K032	Catfish	5	.184	146	0.72(5)	2.01(2)

^a Number in parenthesis is the 1 σ counting error expressed as % of the value listed.

Concentrations of radionuclides in flesh of fish caught on 5-21-85,
10.2 km (Station T-3) from the plant outfall.

Sample ID	Common name	Number of fish in pooled sample	Dry/wet wt	Mean fresh wt whole fish (g)	pCi/g wet wt ^a	
					¹³⁴ Cs	¹³⁷ Cs
K019	Bluegill	9	.204	69	0.07(18)	0.18(7)
K020	Largemouth Bass	1	.209	1061	0.51(3)	1.40(2)
K021	Largemouth Bass	2	.213	282	0.21(8)	0.57(4)
K022	Catfish	7	.188	153	0.14(11)	0.38(4)

^a Number in parenthesis is the 1 σ counting error expressed as % of listed value.

Concentrations of radionuclides in flesh of fish caught on 5-21-85,
12.6 km (Station R-8) from the plant outfall.

Sample ID	Common name	Number of fish in pooled sample	Dry/wet wt	Mean fresh wt whole fish (g)	pCi/g wet wt ^a	
					¹³⁴ Cs	¹³⁷ Cs
K013	Largemouth Bass	3	.200	248	0.30(6)	0.83(3)
K014	Catfish	4	.191	162	0.14(12)	0.32(6)
K015	Bluegill	10	.203	78	0.06(18)	0.18(1)

^a Number in parenthesis is the 1σ counting error expressed as % of listed value.

Concentrations of radionuclides in flesh of fish caught on 5-20-85,
17.2 km (Station T-4) from the plant outfall.

Sample ID	Common name	Number of fish in pooled sample	Dry/wet wt	Mean fresh wt whole fish (g)	pCi/g wet wt ^a	
					¹³⁴ Cs	¹³⁷ Cs
K011	Bluegill	7	.193	65	bd	0.08(18)
K012	Largemouth Bass	5	.211	199	0.065(8)	0.16(4)

^a Number in parenthesis is the 1 σ counting error expressed as % of listed value.

bd below detection

Concentrations of radionuclides in flesh of fish caught on 5-20-85,
19.5 km (Station R-11) from the plant outfall.

Sample ID	Common name	Number of fish in pooled sample	Dry/wet wt	Mean fresh wt whole fish (g)	pCi/g wet wt ^a	
					¹³⁴ Cs	¹³⁷ Cs
K008	Bluegill	6	.207	67	bd	0.057(22)
K009	Largemouth Bass	5	.209	178	0.032(25)	0.097(7)
K010	Catfish	2	.191	205	bd	0.043(23)

^a Number in parenthesis is the 1σ counting error expressed as % of listed value.

bd below detection

Concentrations of radionuclides in flesh of fish collected on 7-10-85,
0.5 km (Station RS-17) from the plant outfall.

Sample ID	Common name	Number of fish in pooled sample	Dry/wet wt	Mean fresh wt whole fish (g)	pCi/g wet wt ^a	
					¹³⁴ Cs	¹³⁷ Cs
J926	Catfish	11	.200	67	0.83(29)	2.4(3)
J933	Bluegill	6	.197	123	1.76(2)	5.2(1)
J940	Largemouth Bass	7	.218	61	0.83(4)	2.41(2)

^a Number in parenthesis is the 1σ counting error expressed as % of listed value.

Concentrations of radionuclides in flesh of fish caught on 7-10-85, 3.0 km (Station T-1) from the plant outfall.

Sample ID	Common name	Number of fish in pooled sample	Dry/wet wt	Mean fresh wt whole fish (g)	pCi/g wet wt ^a	
					¹³⁴ Cs	¹³⁷ Cs
J895	Catfish	11	.191	36	0.41(9)	1.24(4)
J897	Largemouth Bass	2	.219	60	0.36(18)	1.10(7)
J899	Bluegill	2	.200	83	0.81(8)	2.57(3)
J901	Bluegill	7	.191	20	0.30(19)	0.86(7)
J903	Bluegill	1	.201	149	1.47(4)	3.64(2)

^a Number in parenthesis is the 1 σ counting error expressed as % of the value listed.

Concentrations of radionuclides in flesh of fish caught on 7-10-85, 4.6 km (Station R-5) from the plant outfall.

Sample ID	Common name	Number of fish in pooled sample	Dry/wet wt	Mean fresh wt whole fish (g)	pCi/g wet wt ^a	
					¹³⁴ Cs	¹³⁷ Cs
J873	Largemouth Bass	1	.209	127	0.36(13)	1.24(5)
J875	Catfish	2	.173	252	0.87(3)	2.51(2)
J877	Catfish	5	.186	90	0.66(5)	1.90(2)
J879	Bluegill	3	.201	167	1.40(3)	3.00(2)
J881	Bluegill	8	.203	77	0.46(6)	1.38(3)

^a Number in parenthesis is the 1σ counting error expressed as % of the value listed.

Concentrations of radionuclides in flesh of fish caught on 7-11-85,
7.5 km (Station T-2) from the plant outfall.

Sample ID	Common name	Number of fish in pooled sample	Dry/wet wt	Mean fresh wt whole fish (g)	a	
					pCi/g wet wt 134 Cs	wt 137 Cs
J817	Bluegill	4	.187	111	0.16(14)	0.42(5)
J819	Bluegill	5	.190	38	bd	0.07(20)
J821	Catfish	5	.179	89	0.34(6)	0.97(3)
J823	Largemouth Bass	1	.209	553	0.25(4)	0.70(2)
J825	Largemouth Bass	2	.200	53	0.10(27)	0.20(12)

a Number in parenthesis is the 1 σ counting error expressed as % of the value listed.

bd below detection.

Concentrations of radionuclides in flesh of Fish caught on 7-11-85, 10.2 km (Station T-3) from the plant outfall.

Sample ID	Common name	Number of fish in pooled sample	Dry/wet wt	Mean fresh wt whole fish (g)	pCi/g wet wt ^a	
					¹³⁴ Cs	¹³⁷ Cs
J910	Bluegill	7	.189	79	0.08(23)	0.25(8)
J912	Bluegill	11	.187	53	0.07(28)	0.19(10)
J914	Largemouth Bass	1	.206	39	bd	bd

^a Number in parenthesis is the 1σ counting error expressed as % of the value listed.

bd below detection.

Concentrations of radionuclides in flesh of fish caught on 7-10-85, 12.6 km (Station R-8) from the plant outfall.

Sample ID	Common name	Number of fish in pooled sample	Dry/wet wt	Mean fresh wt whole fish (g)	pCi/g wet wt ^a	
					¹³⁴ Cs	¹³⁷ Cs
J858	Bluegill	7	.183	81	0.05(29)	0.10(15)
J860	Bluegill	9	.189	38	bd	0.11(9)
J862	Largemouth Bass	1	.202	54	bd	0.17(32)
J864	Catfish	1	.195	421	0.09(31)	0.32(10)
J866	Catfish	1	.181	384	0.19(10)	0.47(3)
J868	Catfish	2	.179	94	bd	0.17(30)

^a Number in parenthesis is the 1σ counting error expressed as % of the value listed.

bd below detection.

Concentrations of radionuclides in flesh of fish caught on 7-11-85, 17.2 km (Station T-4) from the plant outfall.

Sample ID	Common name	Number of fish in pooled sample	Dry/wet wt	Mean fresh wt whole fish (g)	pCi/g wet wt ^a	
					¹³⁴ Cs	¹³⁷ Cs
J922	Largemouth Bass	1	.217	213	0.07(36)	0.20(12)
J923	Largemouth Bass	3	.215	74	bd	0.10(21)
J924	Bluegill	10	.203	56	0.03(28)	0.07(13)

^a Number in parenthesis is the 1σ counting error expressed as % of the value listed.

bd below detection.

Concentrations of radionuclides in flesh of fish caught on 7-11-85, 19.5 km (Station R-11) from the plant outfall.

Sample ID	Common name	Number of fish in pooled sample	Dry/wet wt	Mean fresh		
				wt whole fish (g)	pCi/g ^{134}Cs	wt ^{137}Cs ^a
J850	Bluegill	7	.182	51	bd	bd
J852	Largemouth Bass	2	.208	223	bd	bd
J854	Catfish	1	.188	375	0.11(26)	0.27(8)
J856	Catfish	4	.192	112	bd	0.10(36)

^a Number in parenthesis is the 1σ counting error expressed as % of the value listed.

bd below detection.

Concentrations of radionuclides in flesh of fish caught on 8-30-85, 0.5 km (Station RS-17) from the plant outfall.

Sample ID	Common name	Number of fish in pooled sample	Dry/wet wt	Mean Fresh wt whole fish (g)	pCi/g wet wt ^a	
					¹³⁴ Cs	¹³⁷ Cs
K280	Bluegill	6	.191	94	0.86(2)	2.68(1)
K282	Largemouth Bass	3	.212	40	0.30(19)	0.90(7)
K284	Catfish	6	.180	100	0.69(4)	2.10(2)

^a Number in parenthesis is the 1σ counting error expressed as % of the value listed.

Concentrations of radionuclides in GIT contents of fish collected on 8-30-85, 0.5 km (Station RS-17) from the plant outfall.

Sample ID ^a	Common name	Dry/wet wt	pCi/g wet wt ^b	
			¹³⁴ Cs	¹³⁷ Cs
K281 (280)	Bluegill	.280	1.1(24)	3.4(8)
K283 (282)	Largemouth Bass	.161	bd	bd
K285 (284) ^c	Catfish	.196	1.87(3)	5.64(1)

^a See previous table for concentrations in flesh and related information. Number in parenthesis is the sample ID for the respective flesh sample.

^b Number in parenthesis is the 1 σ counting error exposed as % of value listed.

^c Sample also contained ^{110m}Ag-0.13(25) pCi/g; ⁶⁰Co-1.4(5) pCi/g; ⁵⁸Co-0.4(50) pCi/g; ⁵⁴Mn-0.08(38) pCi/g.

bd - below detection.

Concentrations of radionuclides in flesh of fish caught on 8-29-85, 3.0 km (Station T-1) from the plant outfall.

Sample ID	Common name	Number of fish in pooled sample	Dry/wet wt	Mean fresh wt whole fish (g)	pCi/g wet wt ^a	
					¹³⁴ Cs	¹³⁷ Cs
K271	Bluegill	4	.192	99	0.75(4)	2.41(2)
K272	Largemouth Bass	2	.213	143	0.39(7)	1.18(2)
K273	Catfish	7	.183	99	0.49(5)	1.49(2)

^a Number in parenthesis is the 1 σ counting error expressed as % of the value listed.

Concentrations of radionuclides in flesh of Fish caught on 8-29-85, 4.6 km
(Station R-5) from the plant outfall.

Sample ID	Common name	Number of fish in pooled sample	Dry/wet wt	Mean fresh wt whole Fish (g)	pCi/g wet wt ^a	
					¹³⁴ Cs	¹³⁷ Cs
K266	Bluegill	12	.195	31	0.21(12)	0.66(4)
K267	Bluegill	1	.186	119	0.71(9)	2.25(9)
K268	Largemouth Bass	2	.204	143	0.33(8)	0.97(3)
K269	Largemouth Bass	12	.211	8	0.15(60)	0.46(14)

^a Number in parenthesis is the 1σ counting error expressed as % of the
value listed.

Concentrations of radionuclides in flesh of fish caught on 8-28-85, 7.5 km (Station T-2) from the plant outfall.

Sample ID	Common name	Number of Fish in pooled sample	Dry/wet wt	Mean fresh wt whole fish (g)	pCi/g wet wt ^a	
					¹³⁴ Cs	¹³⁷ Cs
K259	Catfish	6	.184	125	0.14(17)	0.44(6)
K260	Bluegill	8	.194	77	0.08(18)	0.27(6)

^a Number in parenthesis is the 1σ counting error expressed as % of the value listed.

Concentrations of radionuclides in flesh of fish caught on 8-28-85, 10.2 km (Station T-3) from the plant outfall.

Sample ID	Common name	Number of fish in pooled sample	Dry/wet wt	Mean fresh wt whole fish (g)	pCi/g wet wt ^a	
					¹³⁴ Cs	¹³⁷ Cs
K255	Bluegill	6	.176	99	0.10(15)	0.28(6)
K256	Bluegill	8	.195	57	bd	0.15(10)
K257	Bluegill	9	.202	41	0.05(27)	0.12(10)
K258	Largemouth Bass	2	.212	59	bd	0.24(27)

^a Number in parenthesis is the 1 σ counting error expressed as % of the value listed.

bd below detection.

Concentrations of radionuclides in flesh of fish caught on 8-28-85, 12.6 km (Station R-8) from the plant outfall.

Sample ID	Common name	Number of fish in pooled sample	Dry/wet wt	Mean fresh wt whole fish (g)	pCi/g wet wt ^a	
					¹³⁴ Cs	¹³⁷ Cs
K251	Catfish	11	.173	233	0.068(11)	0.20(4)
K252	Bluegill	18	.197	58	0.03(33)	0.10(10)
K253	Largemouth Bass	3	.208	252	0.06(19)	0.17(6)

^a Number in parenthesis is the 1σ counting error expressed as % of the value listed.

Concentrations of radionuclides in flesh of fish caught on 8-29-85, 17.2 km (Station T-4) from the plant outfall.

Sample ID	Common name	Number of fish in pooled sample	Dry/wet wt	Mean fresh wt whole fish (g)	pci/g wet wt ^a	
					¹³⁴ Cs	¹³⁷ Cs
K263	Bluegill	8	.193	60	bd	0.048(22)
K264	Largemouth Bass	6	.196	85	bd	0.073(11)
K265	Largemouth Bass	2	.213	504	0.052(12)	0.13(5)

^a Number in parenthesis is the 1 σ counting error expressed as % of the value listed.

bd below detection.

Concentrations of radionuclides in flesh of fish caught on 8-28-85, 19.5 km (Station R-11) from the plant outfall.

Sample ID	Common name	Number of fish in pooled sample	Dry/wet wt	Mean fresh wt whole fish (g)	pCi/g wet wt ^a	
					¹³⁴ Cs	¹³⁷ Cs
K045	Bluegill	3	.198	31	bd	bd
K046	Largemouth Bass	2	.207	805	0.037(13)	0.099(5)
K047	Largemouth Bass	5	.192	51	bd	bd
K048	Catfish	1	.174	90	bd	bd

^a Number in parenthesis is the 1σ counting error expressed as % of the value listed.

bd below detection.

Concentrations of radionuclides in flesh of Fish caught on 10-16-85, 0.5 km (Station RS-17) from the plant outfall.

Sample ID	Common name	Number of fish in pooled sample	Dry/wet wt	Mean fresh wt whole fish (g)	pCi/g wet wt ^a	
					¹³⁴ Cs	¹³⁷ Cs
K320	Largemouth Bass	4	.220	104	0.85(5)	1.37(2)
K322	Bluegill	5	.226	87	0.76(5)	2.23(2)

^a Number in parenthesis is the 1 σ counting error expressed as % of the value listed.

Concentrations of radionuclides in GIT contents of fish collected on 10-16-85, 0.5 km (Stations RS-17) from the plant outfall.

Sample ID ^a	Common name	Dry/wet wt	pCi/g wet wt ^b	
			¹³⁴ Cs	¹³⁷ Cs
K321 (320)	Largemouth Bass	.213	bd	0.91(13)
K323 (322)	Bluegill	.231	bd	1.7(34)

^a See previous table for concentrations in flesh and related information. Number in parenthesis is the sample ID for the respective flesh sample.

^b Number in parenthesis is the 1 σ counting error exposed as % of value listed.

bd - below detection.

Concentrations of radionuclides in flesh of fish caught on 10-15-85, 3.0 km (Station T-1) from the plant outfall.

Sample ID	Common name	Number of fish in pooled sample	Dry/wet wt	Mean fresh		
				wt whole fish (g)	pCi/g wet wt ¹³⁴ Cs	wt ¹³⁷ Cs
K294	Catfish	3	.186	77	0.34(23)	0.86(11)
K300	Bluegill	3	.194	87	0.44(10)	1.35(4)

^a Number in parenthesis is the 1 σ counting error expressed as % of the value listed.

Concentrations of radionuclides in flesh of fish caught on 10-15-85, 4.6 km (Station R-5) from the plant outfall.

Sample ID	Common name	Number of fish in pooled sample	Dry/wet wt	Mean fresh wt whole fish (g)	pCi/g wet wt ^a	
					¹³⁴ Cs	¹³⁷ Cs
K314	Bluegill	1	.196	189	0.93(6)	2.80(2)
K315	Bluegill	4	.196	47	0.18(21)	0.63(5)

^a Number in parenthesis is the 1σ counting error expressed as % of the value listed.

Concentrations of radionuclides in flesh of fish caught on 10-15-85, 7.5 km (Station T-2) from the plant outfall.

Sample ID	Common name	Number of fish in pooled sample	Dry/wet wt	Mean fresh wt whole fish (g)	pCi/g wet wt ^a	
					¹³⁴ Cs	¹³⁷ Cs
K301	Catfish	3	.183	257	0.33(5)	1.04(2)
K309	Bluegill	11	.196	60	0.05(31)	0.19(9)
K311	Bluegill	1	.174	178	0.23(18)	0.85(7)

^a Number in parenthesis is the 1σ counting error expressed as % of the value listed.

Concentrations of radionuclides in Flesh of fish caught on 10-15-85, 10.2 km (Station T-3) from the plant outfall.

Sample ID	Common name	Number of fish in pooled sample	Dry/wet wt	Mean fresh wt whole fish (g)	pCi/g wet wt ^a	
					¹³⁴ Cs	¹³⁷ Cs
K290	Largemouth Bass	2	.208	336	0.13(12)	0.37(4)
K297	Bluegill	1	.179	84	bd	0.15(32)

^a Number in parenthesis is the 1σ counting error expressed as % of the value listed.

bd below detection.

Concentrations of radionuclides in flesh of fish caught on 10-14-85, 12.6 km (Station R-8) from the plant outfall.

Sample ID	Common name	Number of fish in pooled sample	Dry/wet wt	Mean fresh wt whole fish (g)	pCi/g wet wt ^a	
					¹³⁴ Cs	¹³⁷ Cs
K286	Largemouth Bass	1	.211	758	0.09(18)	0.33(6)
K288	Largemouth Bass	3	.204	201	0.06(19)	0.20(6)
K296	Bluegill	11	.198	71	bd	0.10(17)
K299	Catfish	5	.187	144	bd	0.10(14)

^a Number in parenthesis is the 1 σ counting error expressed as % of the value listed.

bd below detection.

Concentrations of radionuclides in flesh of fish caught on 10-15-85, 17.2 km (Station T-4) from the plant outfall.

Sample ID	Common name	Number of fish in pooled sample	Dry/wet wt	Mean fresh wt whole fish (g)	pCi/g wet wt	
					¹³⁴ Cs	¹³⁷ Cs ^a
K292	Largemouth Bass	5	.202	71	bd	0.04(35)
K298	Bluegill	15	.201	65	bd	0.05(21)

^a Number in parenthesis is the 1 σ counting error expressed as % of the value listed.

bd below detection.

Concentrations of radionuclides in flesh of fish caught on 10-14-85, 19.5 km (Station R-11) from the plant outfall.

Sample ID	Common name	Number of fish in pooled sample	Dry/wet wt	Mean fresh wt whole fish (g)	pCi/g wet wt ¹³⁴ Cs	wt ^a ¹³⁷ Cs
K312	Bluegill	8	.196	55	bd	bd
K313	Largemouth Bass	1	.203	171	bd	bd

^a Number in parenthesis is the 1σ counting error expressed as % of the value listed.

bd below detection.

Concentrations of radionuclides in flesh of Fish caught on 10-14-85, 19.5 km (Station R-11) from the plant outfall.

Sample ID	Common name	Number of fish in pooled sample	Dry/wet wt	Mean fresh wt whole fish (g)	pCi/g wet wt ^a	
					¹³⁴ Cs	¹³⁷ Cs
K312	Bluegill	8	.196	55	bd	bd
K313	Largemouth Bass	1	.203	171	bd	bd

^a Number in parenthesis is the 1 σ counting error expressed as % of the value listed.

bd below detection.

Concentrations of radionuclides in flesh of background store samples purchased
13 Nov 85.

Sample ID	Common name	Number of fish in pooled sample	Dry/wet wt	^{40}K	pCi/g wet wt ^a		
					^{134}Cs	^{137}Cs	
K302	Catfish	5	.211	2.38(3)	bd	bd	
K304	Rainbow Trout	7	.236	2.77(3)	bd	0.007(31)	
K306	Frog Legs	11	.180	1.09(9)	bd	bd	

^a Number in parenthesis is the 1 σ counting error expressed as % of the value listed.

bd below detection.

APPENDIX II

Concentrations of radionuclides in flesh of frog legs collected during 1985.

Sample ID	Collection Date	Location	Distance from plant (km)	Mean fresh wt whole frog (g)	# of legs pooled	Dry/wet wt	pCi/g wet wt ^a	
							¹³⁴ Cs	¹³⁷ Cs
J433	2-15-85	R-51	1.0	167	10	.184	0.04(11)	0.10(7)
J434	2-15-85	R-5	4.6	505	2	.178	0.43(14)	1.00(7)
J435	2-15-85	R-5	4.6	400	2	.189	1.11(3)	2.78(2)
J436	2-15-85	R-5	4.6	136	2	.215	1.09(3)	2.78(2)
J437	2-15-85	RS-17	0.5	415	2	.188	0.63(3)	1.60(3)
J438	2-15-85	RS-17	0.5	307	2	.186	1.06(4)	2.8(2)
J602	3-21-85	R-5	4.6	630	2	.201	1.17(3)	3.14(2)
J603	3-21-85	R-5	4.6	151	2	.176	0.57(21)	1.67(6)
J604	3-21-85	R-5	4.6	122	2	.184	0.49(20)	1.48(7)
J605	3-21-85	R-5	4.6	91	2	.182	bd	0.45(20)
J616	3-21-85	RS-30	0.5	496	2	.198	1.86(3)	5.21(1)
J617	3-21-85	RS-30	0.5	372	2	.192	1.78(3)	4.74(2)
J630	3-21-85	T-2	7.5	26	8	.189	0.29(30)	0.64(10)
J972	4-24-85	R-8	12.6	103	6	.172	bd	0.09(3)
J975	4-24-85	T-2	7.5	263	6	.184	0.25(11)	0.73(5)
J976	4-24-85	T-2	7.5	44	8	.189	bd	bd
J983	4-25-85	R-5	4.6	184	8	.174	1.34(4)	3.52(2)
K029	5-22-85	R-5	4.6	545	2	.124	1.05(3)	3.13(2)
K033	5-22-85	T-2	7.5	132	6	.180	bd	0.08(23)
J907	7-10-85	R-8	12.6	84	4	.182	bd	0.09(3)
J908	7-10-85	R-5	4.6	409	2	.201	1.09(3)	3.07(2)
J909	7-11-85	RS-17	0.5	23	16	.174	0.26(26)	0.71(11)
K254	8-28-85	R-8	12.6	77	6	.197	bd	bd
K261	8-28-85	T-2	7.5	321	2	.179	bd	0.16(16)
K274	8-29-85	RS-17	0.5	353	6	.182	0.92 (2)	2.97(1)
K275	8-29-85	RS-17	0.5	85	32	.182	0.23 (10)	0.67(3)
K276	8-29-85	RS-17	0.5	19	16	.181	0.25 (50)	0.73(10)
K279	8-29-85	R-5	4.6	71	10	.172	0.40 (11)	1.08(5)
K316	10-15-85	R-5	4.6	32	6	.183	bd	0.25(33)
K318	10-15-85	T-2	7.5	83	4	.178	bd	bd

Concentrations of radionuclides in Flesh of frog legs collected during 1985
(continued).

Sample ID	Collection Date	Location	Distance from plant (km)	Mean fresh wt whole frog (g)	# of legs pooled	Dry/wet wt	pCi/g wet wt ^a	
							¹³⁴ Cs	¹³⁷ Cs
K324	10-16-85	RB	0.0	80	20	.106	1.09(2)	3.07(1)
K325	10-16-85	RB	0.0	43	6	.149	0.92(7)	2.83(3)
K326	10-15-85	RS-17	0.5	95	4	.174	0.17(30)	0.47(11)

^a Number in parenthesis is the 1 σ counting error expressed as % of the value listed.

bd below detection

R-51 is a pond approximately 1 km from the plant on land not connected to Clay Creek.

R-30 is a sump pond connected to Clay Creek Station RS-17 by an underground pipe.

RB - Retention Basin (on-site).

APPENDIX III

Concentrations of radionuclides in the flesh of crayfish collected during 1985.

Sample ID	Collection date	Location	Distance		Dry/wet wt	pCi/g wet wt ^a	
			From plant (km)			¹³⁴ Cs	¹³⁷ Cs
J631	3-20-85	T-2	7.5		.177	bd	bd
K16	5-21-85	R-8	12.6		.191	bd	bd
K17	5-21-85	R-5	4.6		.203	0.7(15)	1.78(5)
K18	5-21-85	RS-17	0.5		.189	0.9(25)	1.5(9)
K44	8-29-85	R-5	4.6		.187	bd	0.8(19)
K262	8-28-85	T-2	7.5		.172	bd	bd
K277	8-29-85	RS-17	0.5		.213	1.2(23)	3.1(11)
K310	10-15-85	R-5	4.6		.172	bd	0.5(13)
K319	10-15-85	T-2	7.5		.159	0.10(40)	0.21(32)

^a Number in parenthesis is the 1 σ counting error expressed as % of the value listed.

bd below detection.

APPENDIX IV

Concentrations of radionuclides in creek sediments during 1985^a.

Sample ID	Station sampled	Distance from plant outfall (km)	Date sampled	Wt ^b (g)	¹³⁴ Cs	¹³⁷ Cs	pCi/g dry ^c ⁶⁰ Co	²⁴¹ Am	²³⁸ Co
J678	R-11	19.5	3-18-85	248	bd	bd	bd	bd	
J679	T-4	17.2	3-21-85	128	0.06(29)	0.15(12)	bd	bd	bd
J680	R-8	12.8	3-20-85	360	0.74(7)	1.80(2)	bd	bd	bd
J681	T-3	10.2	3-21-85	354	0.45(8)	1.28(2)	0.03(28)	bd	bd
J682	T-2	7.5	3-21-85	327	1.40(3)	3.50(2)	bd	bd	bd
J683	R-5	4.6	3-20-85	329	2.09(2)	5.58(1)	0.03(36)	0.03(57)	bd
J684	T-1	3.0	3-19-85	212	12.6(1)	34.3(1)	1.6(4)	0.12(21)	0.09(54)
J685	RS-17	0.6	3-20-85	174	3.40(2)	9.6(1)	0.75(4)	bd	bd
J686	RS-24	0.0	3-21-85	79	17.5(2)	50.0(1)	18.7(1)	1.7(9)	0.6(50)
J687	RS-1	2.3	3-20-85	165	3.37(2)	9.1(1)	1.01(7)	0.13(25)	bd
J688	RS-3	2.1	3-20-85	159	7.7(2)	22.5(1)	3.4(2)	0.22(21)	0.2(47)
J689	RS-5	1.9	3-19-85	113	9.4(2)	26.1(2)	3.6(2)	0.28(34)	0.31(35)
J690	RS-7	1.7	3-20-85	117	6.9(3)	19.4(1)	2.8(2)	0.18(39)	bd
J691	RS-9	1.5	3-21-85	251	0.26(13)	0.67(4)	bd	bd	bd
J692	RS-11	1.3	3-19-85	153	1.8(4)	5.3(2)	0.72(4)	0.07(60)	bd
J693	RS-13	1.1	3-19-85	253	5.3(2)	14.7(1)	1.21(3)	0.11(30)	0.17(40)
J694	RS-15	0.8	3-19-85	135	16.6(1)	44.7(1)	6.0(2)	0.32(21)	0.74(25)
J738	R-11	19.5	5-20-85	322	bd	bd	bd	bd	bd
J740	R-5	4.6	5-20-85	324	4.5(3)	12.6(1)	0.03(3)	0.06(42)	0.14(28)
J827	R-11	19.5	7-9-85	278	0.03(90)	0.06(24)	bd	bd	bd
J828	R-8	12.8	7-9-85	370	bd	0.12(16)	bd	bd	bd
J829	T-2	7.5	7-9-85	246	0.55(5)	1.43(2)	0.04(75)	bd	bd
J830	R-5	4.6	7-9-85	204	2.44(3)	7.13(1)	0.15(10)	bd	0.03(40)
J831	R-4	4.1	7-9-85	319	0.96(5)	2.92(1)	0.11(13)		
J832	T-1	3.0	7-9-85	207	3.76(2)	10.9(1)	0.20(8)	0.04(52)	0.12(18)
J833	RS-17	0.6	7-9-85	129	0.93(10)	2.81(2)	0.64(8)	bd	0.09(34)
J948	R-11	1.3	8-28-85	274	bd	bd	bd	bd	bd
J949	T-3	10.2	8-28-85	320	0.45(9)	1.41(2)	bd	bd	bd
J950	R-8	12.8	8-28-85	161	0.14(20)	0.49(7)	bd	bd	bd
J951	R-8	12.8	8-28-85	274	0.08(25)	0.26(8)	bd	bd	bd
J952	R-8	12.8	8-28-85	320	0.11(15)	0.30(6)	bd	bd	bd

Concentrations of radionuclides in creek sediments during 1985^a. (Continued).

Sample ID	Station sampled	Distance from plant outfall (km)	Date sampled	Wt ^b (g)	¹³⁴ Cs	¹³⁷ Cs	pCi/g dry ^c ⁶⁰ Co	⁵⁴ Mn	⁵⁸ Co
J953	R-8	12.8	8-28-85	273	0.14(11)	0.47(5)	bd	bd	bd
J954	R-8	12.8	8-28-85	245	0.40(8)	1.10(5)	bd	bd	bd
J955	R-8	12.8	8-28-85	343					
J956	R-5	1.9	8-28-85	168	1.47(8)	4.67(2)	0.31(9)	bd	bd
J957	RS-13	1.1	8-28-85	264	1.46(3)	4.50(1)	0.74(3)	bd	0.28(20)
J947	(d)		8-28-85	352	bd	0.08(20)	bd	bd	bd
K070	R-11	19.5	10-15-85	349	0.03 (58)	0.10 (13)	bd	bd	bd
K071	R-8	12.8	10-15-85	357	0.23 (9)	0.68 (4)	bd	bd	bd
K072	R-5	4.6	10-16-85	160	2.66 (3)	8.63 (1)	0.52 (5)	bd	bd
K073	RS-17	0.6	10-17-85	158	0.93 (9)	3.45 (4)	0.83 (4)	bd	bd

a Sediment sampled with a hand held corer, 28.3 cm² in area to a depth of 12 cm

b All samples sieved through 2mm screen to remove large rocks. Only fine fraction analyzed.

c Value in parenthesis is the 1 σ counting error expressed as the % of listed value.

d Background sample from Mokelumne River.

bd below detection.

Concentrations of radionuclides in retention basin sediments collected July 1985.

Sample					pCi/g dry			
Id	⁵⁴ Mn	⁵⁷ Co	⁵⁸ Co	⁶⁰ Co	¹¹⁰ Ag	¹²⁵ Sb	¹³⁴ Cs	¹³⁷ Cs
<hr/>								
JB15	147(5)	5(44)	51(14)	1700(1)	96(11)	55(27)	386(2)	1310(1)
JB16	148(1)	9(10)	30(5)	2100(1)	71.6(1)	70(2)	390(1)	1320(1)

APPENDIX V

Concentrations of radionuclides in samples of selected soils - 1985.

Sample ID	Station	Date	wt(g)	pCi/g dry wt ^d		⁶⁰ Co	⁵⁴ Mn
				¹³⁴ Cs	¹³⁷ Cs		
J695 ^a	RS-30	3-19-85	220	0.05(48)	0.26(4)	bd	bd
J696 ^b	T-2	3-19-85	340	0.92(4)	2.59(1)	0.07(11)	bd
J697 ^a	R4-R5	3-19-85	218	0.69(10)	2.21(4)	0.15(14)	bd
J698 ^a	R-43	3-19-85	178	3.3(2)	10.0(1)	2.4(2)	0.23(18)
J699 ^b	T-1	3-19-85	299	0.43(11)	1.30(3)	0.07(18)	bd
J700 ^a	RS-17	3-19-85	210	0.04(78)	0.10(18)	bd	bd
J710 ^c		3/85	354	bd	0.020(18)	bd	bd
J711 ^c		3/85	365	bd	0.034(10)	bd	bd
J712 ^c		3/85	352	bd	0.041(20)	bd	bd
J713 ^c		3/85	360	bd	0.049(17)	bd	bd
J714 ^c		3/85	352	bd	0.051(15)	bd	bd

^a Soil samples obtained at irrigation pumps. Four, 0-3 cm deep surface plugs were combined for analysis from each location.

^b 5-Soil samples obtained at known fishing areas on cree bank. 0-3cm section combined for analysis.

^c Soil samples 15 cm in depth, 28.3 cm² in area from r field owned by G. Silva approximately 6 km from plant outfall.

^d Value in parenthesis is the 1 σ counting error expressed as the % of listed value.

bd below detection.

APPENDIX VI

Concentrations of ^3H and ^{137}Cs in well water samples obtained from the vicinity of Rancho Seco.

Fifteen (15) gallon, unfiltered ground water samples collected from the wells described below contained levels of ^{137}Cs and ^3H below our limits of detection (^{137}Cs 0.007 pCi/l; ^3H -250 pCi/l). The location of the wells are shown in Figure 2. Water from wells 1-10 were sampled on 5-7-85. Well 11 was sampled on 8-30-85.

Well Number	Description
1	Irrigation well near station R-51 (lake north of Clay Creek on land of G. Silva), 2000 ft from Clay Creek. The water table is at 165 ft. and the depth of the well is 450 ft.
2	Irrigation well located on Mr. Silva's pasture land 800 ft. east of Clay Creek. The water table is at 145 ft. and the well is drilled to a depth of 700 ft.
4	Domestic well of mother of Mr. G. Silva at residence.
5	Domestic well of Mr. John Evans. Water pumped from the well located 2000 ft from Hadselville Creek, was sampled from a garden hose.
6	Domestic well of employee of Mr. G. Silva located 300 ft. from Hadselville Creek. The water table is at a depth of 98 ft. and the well is drilled to a depth of 300 ft.
7	Domestic well of Gary Silva, Jr. located 300 ft. from Hadselville Creek. The water table is at 100 ft. and the depth of the well is 325 ft.
8	Domestic well of Gary Silva located 800 ft. from Hadselville Creek on crest of hill near residence. Water table is 145 ft. and the well is 450 ft. deep.
9	Domestic and irrigation well of Mr. Silva located in the area of the horse corral, 200 ft. from Hadselville Creek. The water table is at 115 ft. and the well is 450 ft. deep.
10	Domestic well of Mr. Howard Jacobs. The well is located 600 ft. from Hadselville Creek. The water table is located at 96 ft. below ground level. The depth of the well is 200 ft. Water was sampled from a garden hose.
11	Domestic well located at 11669 Kirkwood Road.

Concentrations of ^{134}Cs and ^{137}Cs in water samples collected downstream and in the vicinity of the Rancho Seco Nuclear Power Generating Station during 1984 and 1985.^a

Station ID	Distance ^c (km)	Date Sampled	Concentration (pCi/l)			
			^{134}Cs PF	Water	^{137}Cs PF	Water
RS-17	0.6	4/26/84	0.46(2)	1.65(3)	0.89(2)	3.70(2)
RS-17	0.6	4/26/84	0.46(3)	2.48(2)	1.04(1)	6.04(1)
RS-17	0.6	7/19/84	0.56(47)	0.08(23)	0.17(15)	0.26(8)
R-5	4.8	7/18/84	0.83(4)	0.55(5)	1.81(3)	1.61(2)
R-8	12.8	7/18/84	0.09(22)	0.15(13)	0.19(14)	0.45(6)
R-11	19.5	7/18/84	0.08(28)	0.06(21)	0.16(19)	0.11(15)
RS-17	0.6	8/15/84	0.35(6)	0.56(8)	0.74(6)	1.87(3)
R-5	4.8	8/15/84	1.80(2)	3.34(5)	3.82(2)	11.3(3)
R-8	12.8	8/14/84	0.10(20)	bd	0.20(13)	0.6(80)
R-11	19.5	8/15/84	bd	bd	bd	bd
RS-17	0.6	10/18/84	0.46(41)	0.74(4)	0.94(4)	2.13(2)
R-5	4.8	10/17/84	0.28(7)	0.52(5)	0.67(5)	1.68(2)
R-8	12.8	10/16/84	0.05(20)	0.06(11)	0.19(18)	0.23(3)
R-11	19.5	10/15/84	bd	0.015(38)	bd	0.073(10)
RS-17	0.6	2/7/85	0.26(3)	0.45(8)	0.63(2)	1.25(3)
R-5	4.8	2/7/85	0.17(19)	0.21(4)	0.39(3)	0.67(2)
R-8	12.8	2/7/85	0.02(27)	0.04(16)	0.04(12)	0.13(5)
R-11	19.5	2/7/85	0.04(32)	0.014(21)	0.07(23)	0.045(8)
RS-17	0.6	2/8/85*	0.49(3)	0.072(9)	1.37(2)	0.23(3)
R-5	4.8	2/8/85*	6.0(3)	0.23(5)	15.9(2)	0.77(2)
R-8	12.8	2/8/85*	0.63(3)	0.15(6)	1.69(2)	0.47(3)
RS-24	0.0	3/22/85	0.05(41)	0.02(38)	0.07(23)	0.05(28)
RS-17	0.6	3/19/85	bd	0.04(20)	0.11(24)	0.16(6)
T-1	3.0	3/20/85	0.27(11)	0.30(7)	0.67(6)	0.66(5)
R-5	4.8	3/19/85	0.26(13)	0.15(8)	0.71(5)	0.44(3)
R-5	4.8	3/22/85	0.28(12)	0.16(11)	0.74(4)	0.57(4)
T-2	7.5	3/20/85	0.21(12)	0.14(7)	0.50(5)	0.46(3)
T-3	10.2	3/21/85	0.24(12)	0.084(11)	0.61(5)	0.24(5)
R-8	12.8	3/19/85	0.08(33)	0.07(16)	0.13(19)	0.18(6)
T-4	17.2	3/27/85	bd	0.05(18)	0.1(19)	0.12(8)
R-11	19.5	3/18/85	0.06(23)	0.05(19)	0.12(11)	0.10(9)
RS-30 ^h	0.6	3/20/85	0.58(8)	0.27(4)	1.73(3)	0.87(2)
RS-17	0.6	4/26/85	0.24(11)	0.42(3)	0.73(4)	1.05(2)
R-5	4.8	4/25/85	0.40(8)	0.59(5)	1.04(4)	1.69(8)
R-8	12.8	4/23/85	bd	0.08(16)	0.07(26)	0.22(4)
R-11	19.5	4/23/85	bd	0.013(48)	bd	0.03(14)
RS-17	0.6	5/23/85	0.08(26)	0.14(6)	0.18(11)	0.45(2)
R-5	4.8	5/22/85	0.40(9)	0.41(3)	1.23(4)	1.39(2)
R-8	12.8	5/21/85	bd	0.041(9)	0.12(23)	0.13(3)
R-11	19.5	5/20/85	bd	0.011(72)	0.46(31)	0.03(23)

Concentrations of ^{134}Cs and ^{137}Cs in water samples collected downstream and in the vicinity of the Rancho Seco Nuclear Power Generating Station during 1984 and 1985 (continued).

Station ID	Distance ^c (km)	Date Sampled	Concentration (pCi/l) ^b			
			^{134}Cs PF	Water	^{137}Cs PF	Water
RS-17	0.6	7/11/85	0.037(8)	0.084(3)	0.10(3)	0.27(2)
R-5	4.8	7/10/85	0.69(3)	0.21(5)	2.34(2)	0.66(2)
R-8	12.8	7/10/85	0.034(14)	0.03(20)	0.12(20)	0.08(8)
R-11	19.5	7/11/85	0.026(39)	0.005(52)	0.075(13)	0.019(12)
Cosumnes ^e River		8/13/84	bd	bd	bd	bd
Mokelumne River		8/27/85	bd	bd	bd	0.008(47)
RS-24	0.0	8/30/85	0.14(25)	0.036(16)	0.33(9)	0.12(7)
RS-17	0.6	8/30/85	bd	0.037(16)	0.065(35)	0.15(7)
R-5 ⁱ	4.8	8/29/85	bd	bd	bd	0.018(41)
R-5	4.8	8/29/85	0.015(36)	0.058(11)	0.085(8)	0.27(4)
T-3	10.2	8/28/85	0.015(32)	0.023(25)	0.06(10)	0.082(8)
R-8	12.8	8/28/85	bd	bd	bd	0.033(18)
R-8	12.8	8/29/85	bd	0.009(70)	bd	0.044(18)
R-11	19.5	8/28/85	bd	bd	bd	0.027(28)
RS-17	0.6	10/15/85	bd	0.055(9)	0.17(17)	0.25(3)
R-5	4.8	10/15/85	0.62(6)	0.022(29)	1.99(3)	0.19(6)
R-8	12.8	10/14/85	bd	0.009(70)	bd	0.27(22)
R-11	19.5	10/14/85	bd	bd	bd	0.011(60)
R-51 ^f	0.9	10/29/84	bd	0.014(24)	bd	0.048(9)
R-52 ^g	6.0	10/17/84	0.24(10)	0.15(5)	0.56(6)	0.51(3)
R-53 ^d		10/13/84	bd	bd	bd	0.012(17)

* Samples collected immediately after a heavy rain.

a Water samples (55 l in volume) were filtered through 1 micron prefilter (PF) cartridges. Each prefilter and filtered water sample was analyzed separately.

b Values in parenthesis are the one sigma standard deviation of the counting error expressed as percent of the activity. bd - below detection. Detectable amount of Mn-54, Co-58, and Co-60 were occasionally measured in prefilter samples from Station RS-17 and R-5.

c Distance from sampling site to point of liquid effluent discharge at Rancho Seco.

d Sample from Rancho Seco Lake collected for background activity analysis.

e Samples from a distance greater than 25 km from the plant for background levels in water.

f Sample from an irrigation pond of User "I" not connected to Clay Creek.

g Sample from an irrigation pond of User "I" located approximately 6 km from the Rancho Seco. This pond obtains water from Hadselville Creek.

h RS-30 is the irrigation sump pond adjacent to Clay Creek connected to Station RS-17.

i Runoff water from pasture north of R-5.

Concentrations of radionuclides in retention basin water samples collected on 10-17-85.

ID #	Fraction ^b	⁵⁴ Mn	pCi/l ^a ⁶⁰ Co	¹³⁴ Cs	¹³⁷ Cs
K42-RB-1	particulate	0.08(11)	1.20(2)	0.25(3)	0.75(2)
K51-RB-1	water	0.06(15)	0.52(3)	11.3(3)	51.2(2)
K43-RB-2	particulate	0.02(11)	0.31(3)	0.17(3)	0.50(2)
X52-RB-2	water	0.08(7)	0.52(3)	7.2(3)	26.3(2)

^a Value in parenthesis is the 1 σ counting error expressed as the % of listed value.

^b Water samples filtered through a 1 micron filter cartridge to remove particulates.

Concentrations of radionuclides in unfilter water samples from the regenerate hold-up tanks at Rancho Seco collected on 10/14-15/85.

Sample ID	Date Collected	pCi/l ^a			
		⁵⁴ Mn	⁶⁰ Co	¹³⁴ Cs	¹³⁷ Cs
K49 (NRB85-73)	10-14-85	0.4(25)	0.9(15)	8.5(6)	23.9(3)
K50 (RHVT-8)	10-15-85	0.5(22)	1.3(8)	8.6(4)	21.7(2)

^a Value in parenthesis is the 1 σ counting error expressed as the % of listed value.

APPENDIX VII

Concentrations of radionuclides in parts of water hyacinth from stations downstream from Rancho Seco.

ID	Part	Station	Dry/wet wt	⁴⁰ K	⁵⁴ Mn	pCi/g wt ⁵⁸ Co	wt ⁶⁰ Co	¹¹⁰ Ag	¹³⁴ Cs	¹³⁷ Cs	¹²⁵ Sb
Collection date 7-12-85											
J793	stem-leaf	RS-17	.162	2.3(2)	0.28(2)	0.02(15)	0.53(1)	0.02(15)	2.1(1)	6.6(1)	bd
J794	root	RS-17	.307	1.63(6)	1.40(2)	1.29(3)	14.3(1)	2.05(1)	13.3(1)	38.4(1)	0.44(10)
J795	stem-leaf	RS-1	.112	2.9(2)	0.027(9)	0.084(4)	0.071(3)	.008(30)	0.84(1)	2.52(1)	bd
J796	root	RS-1	.123	1.2(5)	0.073(6)	0.65(2)	0.34(1)	.078(6)	1.35(1)	5.78(1)	0.04(23)
Collection date 8-29-85											
J958	stem-leaf	T-2	-	2.5(5)	bd	bd	0.007(30)	bd	0.65(3)	0.15(3)	bd
J959	root	T-2	-	1.63(1)	0.014(39)	bd	0.061(4)	bd	0.29(3)	0.91(3)	bd
J960	stem-leaf	R-5	-	3.3(2)	0.05(8)	bd	0.068(8)	bd	4.1(1)	12.2(1)	bd
J961	root	R-5	-	2.51(8)	0.05(24)	0.05(47)	0.34(4)	bd	2.02(2)	6.3(1)	bd
J962	stem-leaf	T-1	-	2.55(3)	0.04(11)	0.04(22)	0.10(4)	bd	0.37(2)	1.14(1)	bd
J963	root	T-1	-	4.52(3)	0.10(11)	0.29(7)	1.30(1)	0.03(11)	6.3(1)	17.7(1)	bd
J964	stem-leaf	R-8	-	2.48(11)	0.01(70)	bd	0.012(26)	bd	0.28(10)	0.76(2)	bd
J965	root	R-8	-	2.85(7)	bd	bd	0.66(11)	bd	0.43(8)	1.42(1)	bd
Collection date 10-15-85											
K034	stem-leaf	T-3	-	3.34(3)	0.03(16)	bd	0.017(18)	bd	0.68(2)	2.20(1)	bd
K035	root	T-3	-	1.91(5)	0.01(45)	bd	0.12(3)	bd	0.89(2)	2.70(1)	bd
K036	stem-leaf	R-8	-	4.40(5)	0.02(67)	bd	bd	bd	0.30(7)	0.66(2)	bd
K037	root	R-8	-	5.17(12)	bd	bd	0.10(34)	bd	1.22(5)	3.57(2)	bd
K038	stem-leaf	R-5	-	2.89(3)	0.012(29)	bd	0.023(14)	bd	0.08(6)	0.25(2)	bd
K039	root	R-5	-	1.80(7)	0.012(13)	0.015(21)	0.29(2)	bd	0.87(2)	2.81(2)	bd
K040	stem-leaf	RS-17	-	2.55(2)	0.023(11)	0.014(37)	0.082(6)	bd	0.07(4)	0.20(3)	bd
K041	root	RS-17	-	1.20(6)	0.042(11)	0.12(7)	0.49(3)	0.04(11)	0.50(2)	1.43(1)	bd

^a Number in parenthesis is the 1 σ counting error expressed as % of listed value.

bd below detection.

APPENDIX VIII

Concentrations of radionuclides in samples of beef and related samples - 1985.

Description	pCi/kg wet wt ^a	
	¹³⁴ Cs	¹³⁷ Cs
1) Flesh samples from two cows obtained from the feed lots of Mr. G. Silva, 20 March 1985.		
Hereford	bd	5.0(40)
Charolais	bd	2.3(39)
2) Selection of steaks from 3 major local markets		
Store Purchased Beef	bd	5.0(20)
3) Flesh from hind-quarter from two cows obtained from grazing land (no time in feed lot) of Mr. G. Silva, 21 June 1985		
Angus/Hereford (1)	14(20)	69(4)
Angus/Hereford (2)	17(18)	56(6)
4) Pasture grass from grazing land 21 June 1985	6	18(14)

^a Value in parenthesis is the 1σ counting error expressed as the % of the listed value.

bd below detection.