

Data Table 6-30a, Average Concentration in Composites used in the Dose Calculations (pCi/g)

Location	Species	H-3	Sr-89,90	Cs-137	I-129	Pu-238	Pu-239	U-234	U-235	U-238	Tc-99	Am-241	Cm-244	Np-237
Augusta	Bass	7.12E-02	2.37E-03					5.98E-05		1.03E-04				
Lock + Dam	Catfish	4.46E-02	2.25E-03					1.36E-04		1.36E-04				
	Panfish		4.28E-03		1.17E-02									
U3R	Bass			3.95E-02				4.71E-05		5.14E-05				
Mouth	Catfish			2.57E-02				2.44E-04		2.77E-04				
	Panfish		5.27E-03					9.67E-05		7.81E-05				
Beaver Dam	Bass							7.45E-05		4.52E-05				
Creek Mouth	Catfish	5.35E-02		5.54E-02				2.13E-04		1.52E-04				
	Panfish		3.19E-03	2.61E-02				2.54E-04		1.54E-04				
Fourmile	Bass	6.30E-01	3.53E-03	5.92E-02		5.08E-05		7.20E-05		5.72E-05	6.32E-02			
Branch Mouth	Catfish	5.37E-02				8.34E-05		1.20E-04		7.32E-05				
	Panfish	6.95E-02	6.26E-03			5.44E-05		1.51E-04	4.14E-05					
Steel Creek	Bass	1.24E-01	3.62E-03	1.65E-01		1.30E-05		5.25E-05		4.58E-05				
Mouth	Catfish	1.74E-01				2.27E-05		7.09E-05		7.20E-05				
	Panfish	1.15E-01			2.59E-02			1.38E-04		8.86E-05				
L3R	Bass	1.28E-01	2.20E-03	8.59E-02				4.44E-05		5.28E-05	4.39E-02			
Mouth	Catfish	4.42E-02		6.18E-02				9.32E-05		8.99E-05	6.95E-02			
	Panfish	8.97E-02				6.62E-05	2.49E-05	1.60E-04		8.21E-05				
Hwy-301	Bass	7.88E-02	4.36E-03	2.99E-02				6.70E-05		9.31E-05	5.72E-02			
Bridge Area	Catfish	1.42E-01		1.53E-02				8.84E-05		4.51E-05				
	Panfish	1.14E-01	1.24E-02					1.31E-04		1.16E-04				

Note: Averages are based on three composites of up to five fish of each species from each location.

At least one of the three composite samples had to have a significant result for an average concentration to be reported. Refer to Data Table 5-16 for the radioanalytical results.

Data Table 6-30b, Total Dose from Consumption of 24 kg/y from SRS Creek Mouths, River Mile 118.8, and New Savannah Bluff Lock and Dam (mrem)

Location	Species	H-3	Sr-90	Cs-137	I-129	Pu-238	Pu-239	U-234	U-235	U-238	Tc-99	Am-241	Cm-244	Np-237	Total
Augusta	Bass	1.3E-04	7.6E-03					3.1E-04		4.8E-04					8.5E-03
Lock + Dam	Catfish	8.3E-05	7.2E-03					7.0E-04		6.3E-04					8.6E-03
	Panfish		1.4E-02		1.3E-01										1.4E-01
U3R	Bass			4.7E-02				2.4E-04		2.4E-04					4.7E-02
Mouth	Catfish			3.0E-02				1.3E-03		1.3E-03					3.3E-02
	Panfish		1.7E-02					5.0E-04		3.6E-04					1.8E-02
Beaver Dam	Bass							3.8E-04		2.1E-04					5.9E-04
Creek Mouth	Catfish	1.0E-04		6.5E-02				1.1E-03		7.1E-04					6.7E-02
	Panfish		1.0E-02	3.1E-02				1.3E-03		7.2E-04					4.3E-02
Fourmile	Bass	1.2E-03	1.1E-02	7.0E-02		1.2E-03		3.7E-04		2.7E-04	5.1E-03				8.9E-02
Branch Mouth	Catfish	1.0E-04				1.9E-03		6.2E-04		3.4E-04					3.0E-03
	Panfish	1.3E-04	2.0E-02			1.3E-03		7.8E-04	2.0E-04						2.2E-02
Steel Creek	Bass	2.3E-04	1.2E-02	1.9E-01		3.0E-04		2.7E-04		2.1E-04					2.1E-01
Mouth	Catfish	3.2E-04				5.3E-04		3.7E-04		3.4E-04					1.6E-03
	Panfish	2.1E-04			2.8E-01			7.1E-04		4.1E-04					2.8E-01
L3R	Bass	2.4E-04	7.0E-03	1.0E-01				2.3E-04		2.5E-04	3.5E-03				1.1E-01
Mouth	Catfish	8.2E-05		7.3E-02				4.8E-04		4.2E-04	5.6E-03				8.0E-02
	Panfish	1.7E-04				1.5E-03	6.4E-04	8.3E-04		3.8E-04					3.6E-03
Hwy-301	Bass	1.5E-04	1.4E-02	3.5E-02				3.5E-04		4.3E-04	4.6E-03				5.5E-02
Bridge Area	Catfish	2.6E-04		1.8E-02				4.6E-04		2.1E-04					1.9E-02
	Panfish	2.1E-04	4.0E-02					6.8E-04		5.4E-04					4.1E-02

Data Table 6-30c, Total Risk from Consumption of 24 kg/y from SRS Creek Mouths, River Mile 118.8, and New Savannah Bluff Lock and Dam (risk/year)

Location	Species	H-3	Sr-90	Cs-137	I-129	Pu-238	Pu-239	U-234	U-235	U-238	Tc-99	Am-241	Cm-244	Np-237	Total
Augusta	Bass	1.1E-10	5.4E-09					1.4E-10		2.1E-10					5.9E-09
Lock + Dam	Catfish	7.0E-11	5.1E-09					3.1E-10		2.8E-10					5.8E-09
	Panfish		9.8E-09		5.4E-08										6.4E-08
U3R	Bass			3.5E-08				1.1E-10		1.1E-10					3.6E-08
Mouth	Catfish			2.3E-08				5.6E-10		5.8E-10					2.4E-08
	Panfish		1.2E-08					2.2E-10		1.6E-10					1.2E-08
Beaver Dam	Bass							1.7E-10		9.4E-11					2.6E-10
Creek Mouth	Catfish	8.4E-11		5.0E-08				4.9E-10		3.2E-10					5.1E-08
	Panfish		7.3E-09	2.3E-08				5.8E-10		3.2E-10					3.2E-08
Fourmile	Bass	9.8E-10	8.1E-09	5.3E-08		2.1E-10		1.7E-10		1.2E-10	6.1E-09				6.9E-08
Branch Mouth	Catfish	8.4E-11				3.4E-10		2.8E-10		1.5E-10					8.5E-10
	Panfish	1.1E-10	1.4E-08			2.2E-10		3.5E-10	9.4E-11						1.5E-08
Steel Creek	Bass	1.9E-10	8.3E-09	1.5E-07		5.3E-11		1.2E-10		9.5E-11					1.6E-07
Mouth	Catfish	2.7E-10				9.2E-11		1.6E-10		1.5E-10					6.8E-10
	Panfish	1.8E-10			1.2E-07			3.2E-10		1.8E-10					1.2E-07
L3R	Bass	2.0E-10	5.0E-09	7.7E-08				1.0E-10		1.1E-10	4.2E-09				8.7E-08
Mouth	Catfish	6.9E-11		5.5E-08				2.1E-10		1.9E-10	6.7E-09				6.3E-08
	Panfish	1.4E-10				2.7E-10	1.0E-10	3.7E-10		1.7E-10					1.0E-09
Hwy-301	Bass	1.2E-10	1.0E-08	2.7E-08				1.5E-10		1.9E-10	5.5E-09				4.3E-08
Bridge Area	Catfish	2.2E-10		1.4E-08				2.0E-10		9.4E-11					1.4E-08
	Panfish	1.8E-10	2.8E-08					3.0E-10		2.4E-10					2.9E-08