Table 6.6. 1995 total dose rate for aquatic organisms (rad/day)[a,b]

Measurement location	Fish		Crustacea		Muskrat	
	Average	Maximum	Average	Maximum	Average	Maximum
ORNL						
Melton Branch (X13)	1.1E−3	1.9E−3	2.8E−3	1.3E−2	2.8E−3	4.0E−3
White Oak Creek (X14)	7.6E−4	2.2E−3	4.2E−3	7.5E−3	1.2E−3	2.4E−3
White Oak Dam (X15)	2.0E−5	1.6E−3	4.1E−5	9.7E−3	1.2E−5	2.7E−3
7500 Road Bridge	4.6E−4	1.2E−3	2.5E−3	4.6E−3	7.3E−4	1.5E−3
First Creek	4.3E−4	1.4E−3	4.2E−3	1.2E−2	1.1E−3	3.0E−3
Fifth Creek	1.1E−4	1.9E−4	1.1E−3	1.9E−3	2.8E−4	4.9E−4
Melton Branch 2[c]	1.2E−4	3.3E−4	2.6E−4	7.3E−4	4.2E−5	1.2E−4
Northwest Tributary[d]	2.8E−4	4.3E−4	2.7E−3	4.2E−3	7.2E−4	1.1E−3
Raccoon Creek	1.2E−4	6.6E−4	1.2E−3	3.8E−3	3.1E−4	9.2E−4
Y-12 Plant						
East Fork Poplar Creek (Station 17)	1.2E−4	5.5E−4	7.4E−4	5.8E−3	1.5E−4	6.9E−2
Bear Creek[e] (Outfall 304)	1.9E−4	3.9E−4	9.7E−4	3.8E−3	4.4E−2	3.2E−2
	1.8E−4	2.7E−4	8.1E−4	1.7E−3	1.8E−4	1.9E−2
Rogers Quarry[f] (Outfall 302)	2.3E−5	4.9E−5	1.1E−4	3.2E−4	4.7E−5	3.7E−4
	8.0E−5	9.0E−5	3.1E−4	6.8E−4	2.8E−4	8.2E−3
K-25 Site						
Mitchell Branch (K-1700)	3.5E−5	4.1E−4	3.4E−3	3.8E−3	1.2E−4	2.5E−4
Poplar Creek (K-1007B)	3.9E−4	5.1E−4	3.9E−3	5.1E−3	2.1E−5	9.5E−5
Poplar Creek (Sewage Treatment Plant, K-1203)	3.2E−4	3.9E−4	3.1E−3	3.5E−3	7.2E−5	2.6E−4
Clinch River (K-901-A)	3.8E−4	4.3E−4	3.8E−3	4.4E−3	3.0E−5	9.9E−5

[a]Total dose rate includes the contribution of internally deposited radionuclides, sediment exposure (derived from water concentrations), and water immersion.

[b]To convert from rad/day to Gy/day divide by 100.

[c]No samples were taken during October and November due to sampling station construction.

[d]No samples were taken during June, July, and August due to sampling station construction.

[e]Two sampling periods are exhibited for Bear Creek outfall 304; one is from 1/1/95 to 6/30/95 and the other is from 7/1/95 to 12/31/95.

[f]Outfall 302 and S19 are at the same discharge point. Sampling data from Outfall 302 is from 1/1/95 to 6/30/95. Sampling data for S19 is from 7/1/95 to 12/31/95.