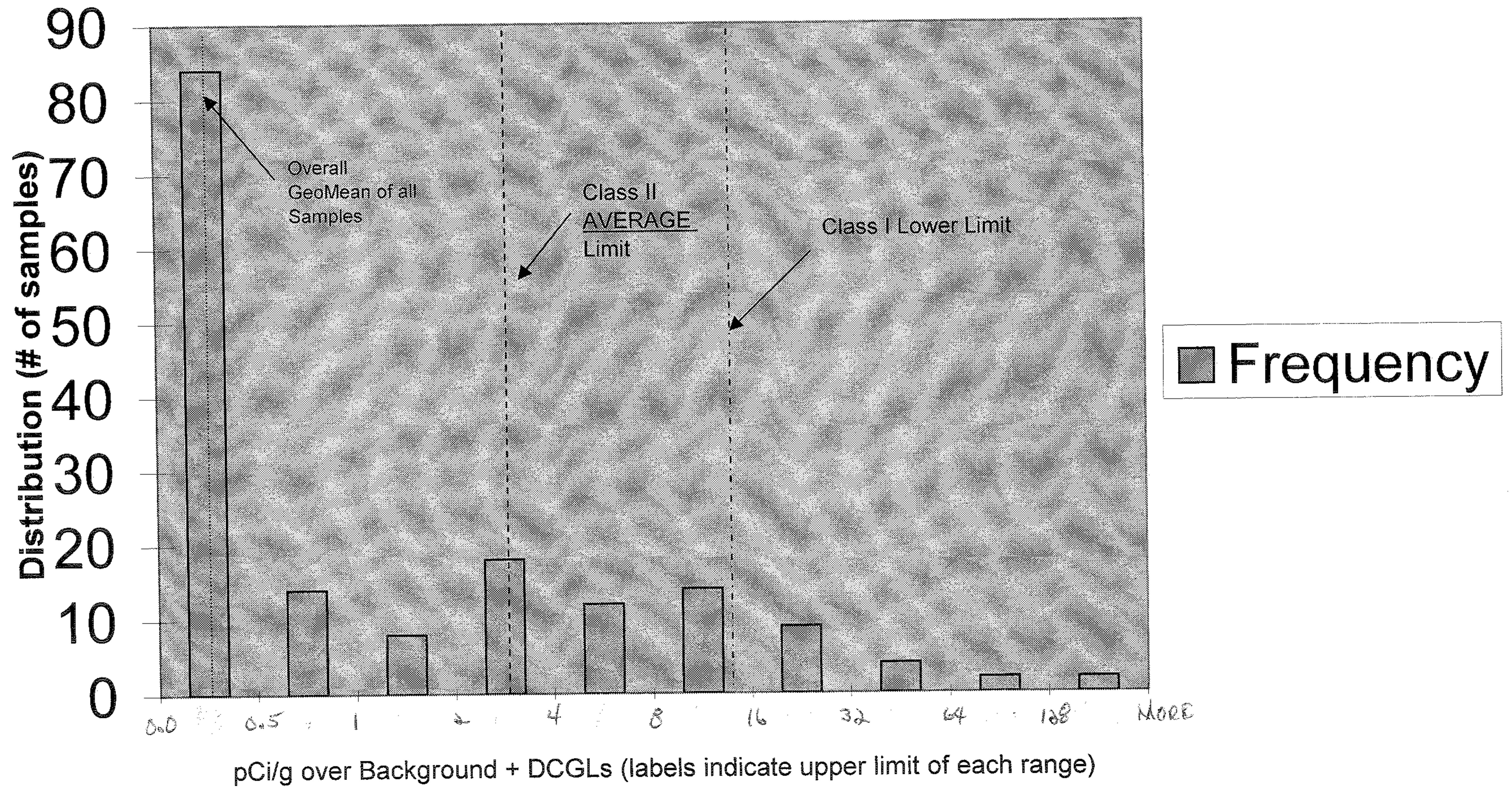


# CLASS I & II SOIL DEFINITIONS



DATA ANALYSIS OF Ra-226 CONCENTRATIONS IN CLASS I & II SOILS  
 (Data from RI/FIS Table 4.3)

CLASS I	Sample ID	Ra-226	Background		DCGL	Bkgd + DCGL	pci/g Over Bckg + DCGL*	Frequency Distribution Cells
			(RI/FIS Tbl 4.9)	(pci/g)				
	CSM146	0.93	2.7	1.44	4.14	0.01	0	
	CSM129	0.97	2.7	1.44	4.14	0.01	0.5	
	CSM93	1.1	2.7	1.44	4.14	0.01	1	
	CSM145	1.3	2.7	1.44	4.14	0.01	2	
	CSM75	1.3	2.7	1.44	4.14	0.01	4	
	CSM78	1.3	2.7	1.44	4.14	0.01	8	
	CSM78	1.3	2.7	1.44	4.14	0.01	16	
	CSM78	1.3	2.7	1.44	4.14	0.01	32	
	CSM78	1.3	2.7	1.44	4.14	0.01	64	
	CSM78	1.3	2.7	1.44	4.14	0.01	128	
	CSM151	1.4	2.7	1.44	4.14	0.01		
	CSM73	1.4	2.7	1.44	4.14	0.01		
	CSM74	1.4	2.7	1.44	4.14	0.01		
	CSM85	1.4	2.7	1.44	4.14	0.01		
	CSM88	1.4	2.7	1.44	4.14	0.01		
	CSM120	1.5	2.7	1.44	4.14	0.01		
	CSM63	1.5	2.7	1.44	4.14	0.01		
	CSM141	1.6	2.7	1.44	4.14	0.01		
	CSM37	1.7	2.7	1.44	4.14	0.01		
	CSM64	1.7	2.7	1.44	4.14	0.01		
	CSM76	1.7	2.7	1.44	4.14	0.01		
	CSM94	1.7	2.7	1.44	4.14	0.01		
	CSM12	1.8	2.7	1.44	4.14	0.01		
	CSM122	1.8	2.7	1.44	4.14	0.01		
	CSM130	1.8	2.7	1.44	4.14	0.01		
	CSM24	1.8	2.7	1.44	4.14	0.01		
	CSM60	1.8	2.7	1.44	4.14	0.01		
	CSM81	1.8	2.7	1.44	4.14	0.01		
	CSM21	1.9	2.7	1.44	4.14	0.01		
	CSM50	1.9	2.7	1.44	4.14	0.01		
	CSM62	1.9	2.7	1.44	4.14	0.01		
	CSM87	1.9	2.7	1.44	4.14	0.01		
	CSM150	2	2.7	1.44	4.14	0.01		
	CSM153	2	2.7	1.44	4.14	0.01		
	CSM162	2	2.7	1.44	4.14	0.01		
	CSM45	2	2.7	1.44	4.14	0.01		
	CSM59	2	2.7	1.44	4.14	0.01		
	CSM86	2	2.7	1.44	4.14	0.01		

\* Note: pci/g Over DCGLs that were zero were expressed as 0.01 to allow calc. of mean values.

CSM133	2.1	2.7	1.44	4.14	0.01
CSM22	2.1	2.7	1.44	4.14	0.01
CSM72	2.1	2.7	1.44	4.14	0.01
CSM79	2.1	2.7	1.44	4.14	0.01
CSM90	2.1	2.7	1.44	4.14	0.01
CSM110	2.2	2.7	1.44	4.14	0.01
CSM124	2.2	2.7	1.44	4.14	0.01
CSM112	2.3	2.7	1.44	4.14	0.01
CSM131	2.3	2.7	1.44	4.14	0.01
CSM14	2.3	2.7	1.44	4.14	0.01
CSM15	2.3	2.7	1.44	4.14	0.01
CSM1	2.4	2.7	1.44	4.14	0.01
CSM132	2.4	2.7	1.44	4.14	0.01
CSM38	2.4	2.7	1.44	4.14	0.01
CSM80	2.4	2.7	1.44	4.14	0.01
CSM111	2.5	2.7	1.44	4.14	0.01
CSM139	2.5	2.7	1.44	4.14	0.01
CSM106	2.6	2.7	1.44	4.14	0.01
CSM123	2.7	2.7	1.44	4.14	0.01
CSM23	2.7	2.7	1.44	4.14	0.01
CSM18	2.8	2.7	1.44	4.14	0.01
CSM119	2.9	2.7	1.44	4.14	0.01
CSM36	2.9	2.7	1.44	4.14	0.01
CSM34	3	2.7	1.44	4.14	0.01
CSM13	3.1	2.7	1.44	4.14	0.01
CSM69	3.1	2.7	1.44	4.14	0.01
CSM148	3.2	2.7	1.44	4.14	0.01
CSM20	3.3	2.7	1.44	4.14	0.01
CSM140	3.4	2.7	1.44	4.14	0.01
CSM144	3.4	2.7	1.44	4.14	0.01
CSM70	3.4	2.7	1.44	4.14	0.01
CSM103	3.5	2.7	1.44	4.14	0.01
CSM91	3.5	2.7	1.44	4.14	0.01
CSM163	3.6	2.7	1.44	4.14	0.01
CSM99	3.7	2.7	1.44	4.14	0.01
CSM137	3.8	2.7	1.44	4.14	0.01
CSM154	3.8	2.7	1.44	4.14	0.01
CSM52	3.8	2.7	1.44	4.14	0.01
CSM56	3.8	2.7	1.44	4.14	0.01
CSM57	3.8	2.7	1.44	4.14	0.01
CSM115	3.9	2.7	1.44	4.14	0.01
CSM16	3.9	2.7	1.44	4.14	0.01
CSM44	4	2.7	1.44	4.14	0.01

CSM116	4.2	2.7	1.44	4.14	0.06
CSM142	4.2	2.7	1.44	4.14	0.06
CSM143	4.2	2.7	1.44	4.14	0.06
CSM11	4.6	2.7	1.44	4.14	0.46
CSM113	4.6	2.7	1.44	4.14	0.46
CSM157	4.7	2.7	1.44	4.14	0.56
CSM48	4.7	2.7	1.44	4.14	0.56
CSM105	4.8	2.7	1.44	4.14	0.66
CSM5	4.8	2.7	1.44	4.14	0.66
CSM58	4.8	2.7	1.44	4.14	0.66
CSM155	4.9	2.7	1.44	4.14	0.76
CSM2	4.9	2.7	1.44	4.14	0.76
CSM108	5	2.7	1.44	4.14	0.86
CSM121	5	2.7	1.44	4.14	0.86
CSM160	5	2.7	1.44	4.14	0.86
CSM46	5	2.7	1.44	4.14	0.86
CSM126	5.1	2.7	1.44	4.14	0.96
CSM29	5.1	2.7	1.44	4.14	0.96
CSM95	5.1	2.7	1.44	4.14	0.96
CSM61	5.2	2.7	1.44	4.14	1.06
CSM8	5.2	2.7	1.44	4.14	1.06
CSM39	5.3	2.7	1.44	4.14	1.16
CSM104	5.5	2.7	1.44	4.14	1.36
CSM71	5.5	2.7	1.44	4.14	1.36
CSM165(WEST)	5.9	2.7	1.44	4.14	1.76
CSM49	5.9	2.7	1.44	4.14	1.76
CSM102	6.1	2.7	1.44	4.14	1.96
CSM128	6.2	2.7	1.44	4.14	2.06
CSM83	6.2	2.7	1.44	4.14	2.06
CSM32	6.3	2.7	1.44	4.14	2.16
CSM107	6.6	2.7	1.44	4.14	2.46
CSM33	6.6	2.7	1.44	4.14	2.46
CSM7	6.9	2.7	1.44	4.14	2.76
CSM118	7	2.7	1.44	4.14	2.86
CSM68	7	2.7	1.44	4.14	2.86
CSM109	7.1	2.7	1.44	4.14	2.96
CSM117	7.3	2.7	1.44	4.14	3.16
CSM149	7.3	2.7	1.44	4.14	3.16
CSM17	7.4	2.7	1.44	4.14	3.26
CSM92	7.4	2.7	1.44	4.14	3.26
CSM10	7.5	2.7	1.44	4.14	3.36
CSM125	7.5	2.7	1.44	4.14	3.36
CSM43	7.7	2.7	1.44	4.14	3.56

CSM84	7.9	2.7	1.44	4.14	3.76
CSM6	8	2.7	1.44	4.14	3.86
CSM77	8.3	2.7	1.44	4.14	4.16
CSM101	8.6	2.7	1.44	4.14	4.46
CSM161	8.6	2.7	1.44	4.14	4.46
CSM4	8.6	2.7	1.44	4.14	4.46
CSM67	9.1	2.7	1.44	4.14	4.96
CSM158	9.3	2.7	1.44	4.14	5.16
CSM9	9.8	2.7	1.44	4.14	5.66
CSM147	9.9	2.7	1.44	4.14	5.76
CSM127	11	2.7	1.44	4.14	6.86
CSM114	12	2.7	1.44	4.14	7.86
CSM19	12	2.7	1.44	4.14	7.86
CSM66	12	2.7	1.44	4.14	7.86
CSM134	13	2.7	1.44	4.14	8.86
CSM53	13	2.7	1.44	4.14	8.86
CSM65	13	2.7	1.44	4.14	8.86
CSM138	14	2.7	1.44	4.14	9.86
CSM51	14	2.7	1.44	4.14	9.86
CSM96	14	2.7	1.44	4.14	9.86
CSM89	15	2.7	1.44	4.14	10.86
CSM41	16	2.7	1.44	4.14	11.86
CSM164(EAST)	17	2.7	1.44	4.14	12.86
CSM28	18	2.7	1.44	4.14	13.86
CSM3	18	2.7	1.44	4.14	13.86
CSM35	18	2.7	1.44	4.14	13.86
CSM100	19	2.7	1.44	4.14	14.86
CLASS II	20	2.7	1.44	4.14	15.86
CSM156	22	2.7	1.44	4.14	17.86
CSM30	23	2.7	1.44	4.14	18.86
CSM47	23	2.7	1.44	4.14	18.86
CSM55	23	2.7	1.44	4.14	18.86
CSM40	24	2.7	1.44	4.14	19.86
CSM135	27	2.7	1.44	4.14	22.86
CSM159	28	2.7	1.44	4.14	23.86
CSM27	28	2.7	1.44	4.14	23.86
CSM42	28	2.7	1.44	4.14	23.86
CSM136	30	2.7	1.44	4.14	25.86
CSM25	38	2.7	1.44	4.14	33.86
CSM82	46	2.7	1.44	4.14	41.86
CSM31	52	2.7	1.44	4.14	47.86
CSM26	58	2.7	1.44	4.14	53.86
CSM54	100	2.7	1.44	4.14	95.86
CSM98	130	2.7	1.44	4.14	125.86

CLASS I  
0.13 Geometric Mean  
1.98 Arithmetic Mean

CLASS II  
37.03 Geo Mean  
51.25 Arith Mean

CSM152	150	2.7	1.44	4.14	145.86
CSM97	170	2.7	1.44	4.14	165.86

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0.24 Geometric Mean Overall  
7.29 Arithmetic Mean Overall

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