

08JUL91

ENVIRONMENTAL RADIOLOGICAL MONITORING PROGRAM SUMMARY
 Docket Nos. 50-206, 50-361, 50-362
 Reporting period: January 1, 1988 to December 31, 1988

Medium or Pathway Sampled (Unit of Measurement)	Type and Total Number of Analyses Performed	Lower Limit of Detection (LLD)	All Indicator Locations Mean(f) Range	Location with Highest Annual Mean Name, Distance and Direction	Mean(f) Range	Control Locations Mean(f) Range	Number of Nonroutine Reported Measurements
Table 1A Direct Radiation Quarterly Composite (millirem)							
Gamma Exposure	276	5.0000	19.943(250/268) (14.000-176.00)	SE Site Boundary 0.40 mi. SE	103.65(4/ 4) (48.400-176.00)	17.825(8/ 8) (15.700-20.300)	0
Table 1B Direct Radiation Annual Composite (millirem)							
Gamma Exposure	69	5.0000	97.265(62/ 67) (63.600-560.80)	SE Site Boundary 0.40 mi. SE	560.80(1/ 1) (560.80-560.80)	83.900(2/ 2) (76.500-91.300)	0
Table 2 Airborne Weekly Composite (pCi/cu.m)							
Gross Beta	530	0.0011	0.0199(438/477) (0.010- 0.062)	Bluff 0.7 mi. WNW	0.0223(53/ 53) (0.012- 0.048)	0.0182(53/ 53) (0.010- 0.037)	0
Table 3 Airborne Weekly Composite (pCi/cu.m)							
I-131	530	0.0430	0.0671(7/477) (0.050- 0.090)	Units 2/3 Switchyard 0.13 mi. NNE	0.0700(6/ 53) (0.050- 0.090)	0.0600(1/ 53) (0.060- 0.060)	0

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08JUL91

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Table 4A Airborne Quarterly Composite (pCi/cu.m)								
	Be-7	38	0.0540	0.1066(33/ 34) (0.066- 0.160)	Units 2/3 Switchyard 0.13 mi. NNE	0.1275(4/ 4) (0.070- 0.160)	0.1087(4/ 4) (0.082- 0.145)	0
	Co-58	38	0.0010	<LLD (0/ 34)	ALL <LLD	-----	<LLD (0/ 4)	0
	Co-60	38	0.0010	<LLD (0/ 34)	ALL <LLD	-----	<LLD (0/ 4)	0
	Cs-134	38	0.0010	<LLD (0/ 34)	ALL <LLD	-----	<LLD (0/ 4)	0
	Cs-137	38	0.0010	0.0020(1/ 34) (0.002- 0.002)	Mesa E.O.F. 0.7 mi. NNW	0.0020(1/ 4) (0.002- 0.002)	<LLD (0/ 4)	0
Table 4A Airborne Quarterly Composite (pCi/cu.m)								
	Zr(Nb)-95	38	0.0010	<LLD (0/ 34)	ALL <LLD	-----	<LLD (0/ 4)	0
Table 4C Airborne Quarterly Composite (pCi/cu.m)								
	Gross Alpha	44	0.0003	<LLD (0/ 40)	ALL <LLD	-----	<LLD (0/ 4)	0
	Sr-90	44	0.0030	<LLD (0/ 40)	ALL <LLD	-----	<LLD (0/ 4)	0
Table 5 Ocean Water Monthly Composite (pCi/l)								
	Co-58	48	4.9000	<LLD (0/ 36)	ALL <LLD	-----	<LLD (0/ 12)	0
	Co-60	48	5.3000	<LLD (0/ 36)	ALL <LLD	-----	<LLD (0/ 12)	0
	Cs-134	48	4.6000	<LLD (0/ 36)	ALL <LLD	-----	<LLD (0/ 12)	0
	Cs-137	48	3.7000	<LLD (0/ 36)	ALL <LLD	-----	<LLD (0/ 12)	0
	Fe-59	48	8.8000	<LLD (0/ 36)	ALL <LLD	-----	<LLD (0/ 12)	0

08JUL91

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Table 5 Ocean Water Monthly Composite (pCi/l)								
	I-131	48	25.500	<LLD (0/ 36)	ALL <LLD	-----	<LLD (0/ 12)	0
	K-40	48	42.200	319.72(36/ 36) (200.00-370.00)	Outfall - Unit 2 0.7 mi. SW	328.33(12/ 12) (290.00-370.00)	307.50(12/ 12) (290.00-350.00)	0
	Mn-54	48	3.7000	<LLD (0/ 36)	ALL <LLD	-----	<LLD (0/ 12)	0
	Zn-65	48	7.6000	<LLD (0/ 36)	ALL <LLD	-----	<LLD (0/ 12)	0
Table 5 Ocean Water Monthly Composite (pCi/l)								
	Zr(Nb)-95	48	7.3000	<LLD (0/ 36)	ALL <LLD	-----	<LLD (0/ 12)	0
Table 6 Ocean Water Bi-Monthly Composite (pCi/l)								
	Tritium	24	105.00	822.22(18/ 18) (700.00-1000.0)	Station Discharge Outfall - Unit 1 0.5 mi. SSW	850.00(6/ 6) (700.00-1000.0)	816.67(6/ 6) (700.00-1000.0)	0
Table 7 Ocean Water Quarterly Composite (pCi/l)								
	Tritium	16	102.00	<LLD (0/ 12)	ALL <LLD	-----	<LLD (0/ 4)	0
Table 9A Drinking Water Monthly Composite (pCi/l)								
	Ba(La)-140	36	37.600	<LLD (0/ 24)	ALL <LLD	-----	<LLD (0/ 12)	0
	Co-58	36	5.1000	<LLD (0/ 24)	ALL <LLD	-----	<LLD (0/ 12)	0
	Co-60	36	5.4000	<LLD (0/ 24)	ALL <LLD	-----	<LLD (0/ 12)	0
	Cs-134	36	4.6000	<LLD (0/ 24)	ALL <LLD	-----	<LLD (0/ 12)	0
	Cs-137	36	3.7000	<LLD (0/ 24)	ALL <LLD	-----	<LLD (0/ 12)	0

08JUL91

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Table 9A Drinking Water Monthly Composite (pCi/l)							
	Fe-59	36 9.5000	<LLD (0/ 24)	ALL <LLD	-----	<LLD (0/ 12)	0
	H-3	36 102.00	<LLD (0/ 24)	ALL <LLD	-----	<LLD (0/ 12)	0
	I-131	36 0.5100	<LLD (0/ 24)	ALL <LLD	-----	<LLD (0/ 12)	0
	Mn-54	36 3.7000	<LLD (0/ 24)	ALL <LLD	-----	<LLD (0/ 12)	0
	Zn-65	36 7.7000	<LLD (0/ 24)	ALL <LLD	-----	<LLD (0/ 12)	0
	Zr(Nb)-95	36 7.7000	<LLD (0/ 24)	ALL <LLD	-----	<LLD (0/ 12)	0
Table 9B Drinking Water Monthly Composite (pCi/l)							
	Gross Alpha	36 0.2110	0.9250(4/ 24) (0.300- 1.900)	San Clemente Golf Course Well 3.5 mi. NNW	1.1333(3/ 12) (0.400- 1.900)	<LLD (0/ 12)	0
	Gross Beta	36 0.7380	0.7824(17/ 24) (0.200- 4.600)	San Clemente Golf Course Well 3.5 mi. NNW	1.1333(6/ 12) (0.200- 4.600)	0.2333(6/ 12) (0.200- 0.300)	0
Table 9C Drinking Water Monthly Composite (pCi/l)							
	Gross Alpha	36 0.4430	<LLD (0/ 24)	Huntington Beach 37 mi. NW	6.0000(1/ 12) (6.000- 6.000)	6.0000(1/ 12) (6.000- 6.000)	0
	Gross Beta	36 1.4750	9.0833(24/ 24) (3.000-16.000)	Tri-Cities Munic. Water Dist. Res. 8.7 mi. NW	9.6667(12/ 12) (6.000-14.000)	6.9167(12/ 12) (4.000-13.000)	0

08JUL91

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Table 9D Drinking Water Quarterly Composite (pCi/l)							
Gross Alpha	12	0.2110	0.4000(2/ 8) (0.200- 0.600)	San Clemente Golf Course Well 3.5 mi. NNW	0.6000(1/ 4) (0.600- 0.600)	<LLD (0/ 4)	0
Gross Beta	12	0.7380	0.8333(6/ 8) (0.300- 2.000)	San Clemente Golf Course Well 3.5 mi. NNW	1.1500(2/ 4) (0.300- 2.000)	0.8000(2/ 4) (0.200- 1.400)	0

08JUL91

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Table 9E Drinking Water Quarterly Composite (pCi/l)								
	Ba(La)-140	12	37.400	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 4)	0
	Co-58	12	5.1000	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 4)	0
	Co-60	12	5.4000	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 4)	0
	Cs-134	12	4.6000	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 4)	0
	Cs-137	12	3.7000	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 4)	0
Table 9E Drinking Water Quarterly Composite (pCi/l)								
	Fe-59	12	9.5000	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 4)	0
	Gross Alpha	12	0.6320	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 4)	0
	Gross Beta	12	0.6990	11.125(8/ 8)	San Clemente Golf Course Well 3.5 mi. NNW	11.500(4/ 4) (8.000-17.000)	7.7500(4/ 4) (6.000-12.000)	0
	H-3	12	102.00	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 4)	0
	I-131	12	0.5100	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 4)	0
	Mn-54	12	3.7000	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 4)	0
	Zn-65	12	7.7000	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 4)	0
Table 9E Drinking Water Quarterly Composite (pCi/l)								
	Zr(Nb)-95	12	7.7000	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 4)	0
Table 10 Shoreline Sediment Semi-Annual Composite (pCi/g)								
	Co-58	8	0.0090	<LLD (0/ 6)	ALL <LLD	-----	<LLD (0/ 2)	0
	Co-60	8	0.0090	<LLD (0/ 6)	ALL <LLD	-----	<LLD (0/ 2)	0
	Cs-134	8	0.0080	<LLD (0/ 6)	ALL <LLD	-----	<LLD (0/ 2)	0
	Cs-137	8	0.0070	<LLD (0/ 6)	ALL <LLD	-----	<LLD (0/ 2)	0
	Fe-59	8	0.0170	<LLD (0/ 6)	ALL <LLD	-----	<LLD (0/ 2)	0

08JUL91

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Table 10 Shoreline Sediment Semi-Annual Composite (pCi/g)								
	I-131	8	0.0690	<LLD (0/ 6)	ALL <LLD	-----	<LLD (0/ 2)	0
	K-40	8	0.0740	11.967(6/ 6) (7.900-14.400)	Newport Beach (North End) 30 mi. NW	14.850(2/ 2) (13.600-16.100)	14.850(2/ 2) (13.600-16.100)	0
	Mn-54	8	0.0070	<LLD (0/ 6)	ALL <LLD	-----	<LLD (0/ 2)	0
	Ra-226	8	0.0130	0.2850(6/ 6) (0.160- 0.470)	Newport Beach (North End) 30 mi. NW	0.9300(2/ 2) (0.390- 1.470)	0.9300(2/ 2) (0.390- 1.470)	0
	Th-228	8	0.0090	0.3283(6/ 6) (0.200- 0.480)	Newport Beach (North End) 30 mi. NW	2.6600(2/ 2) (0.720- 4.600)	2.6600(2/ 2) (0.720- 4.600)	0
	Zn-65	8	0.0140	<LLD (0/ 6)	ALL <LLD	-----	<LLD (0/ 2)	0
Table 10 Shoreline Sediment Semi-Annual Composite (pCi/g)								
	Zr(Nb)-95	8	0.0140	<LLD (0/ 6)	ALL <LLD	-----	<LLD (0/ 2)	0
Table 11 Ocean Bottom Sediments Semi-Annual Composite (pCi/g)								
	Co-58	10	0.0080	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 2)	0
	Co-60	10	0.0080	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 2)	0
	Cs-134	10	0.0070	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 2)	0
	Cs-137	10	0.0060	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 2)	0
	Fe-59	10	0.0150	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 2)	0

08JUL91

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Table 11							
Ocean Bottom Sediments							
Semi-Annual Composite							
(pCi/g)							
I-131	10	0.0170	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 2)	0
K-40	10	0.0660	9.4125(8/ 8) (4.800-11.400)	Unit 1 Outfall 0.6 mi. W	10.650(2/ 2) (9.900-11.400)	10.050(2/ 2) (9.000-11.100)	0
Mn-54	10	0.0060	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 2)	0
Ra-226	10	0.0120	0.4525(8/ 8) (0.220- 0.590)	Newport Beach 18.2 mi. NW	0.9700(2/ 2) (0.620- 1.320)	0.9700(2/ 2) (0.620- 1.320)	0
Th-228	10	0.0080	0.5737(8/ 8) (0.250- 0.800)	Newport Beach 18.2 mi. NW	1.3300(2/ 2) (1.210- 1.450)	1.3300(2/ 2) (1.210- 1.450)	0
Zn-65	10	0.0120	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 2)	0

08JUL91

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Table 11 Ocean Bottom Sediments Semi-Annual Composite (pCi/g)								
	Zr(Nb)-95	10	0.0120	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 2)	0
Table 12A Non-Migratory Marine Quarterly Composite (pCi/g) (flesh type)								
bay mussel	Co-58	4	0.0070	<LLD (0/ 4)	ALL <LLD	-----	<LLD (0/ 0)	0
bay mussel	Co-60	4	0.0050	<LLD (0/ 4)	ALL <LLD	-----	<LLD (0/ 0)	0
bay mussel	Cs-134	4	0.0040	<LLD (0/ 4)	ALL <LLD	-----	<LLD (0/ 0)	0
bay mussel	Cs-137	4	0.0010	<LLD (0/ 4)	ALL <LLD	-----	<LLD (0/ 0)	0
bay mussel	Fe-59	4	0.0090	<LLD (0/ 4)	ALL <LLD	-----	<LLD (0/ 0)	0
Table 12A Non-Migratory Marine Quarterly Composite (pCi/g) (flesh type)								
bay mussel	I-131	4	0.0150	<LLD (0/ 4) (0.740- 1.500)	ALL <LLD Units 2/3 Outfall 1.5 mi. SSW (0.740- 1.500)	-----	<LLD (0/ 0)	0
bay mussel	Mn-54	4	0.0030	<LLD (0/ 4)	ALL <LLD	-----	<LLD (0/ 0)	0
Table 12A Non-Migratory Marine Quarterly Composite (pCi/g) (flesh type)								
bay mussel	Sr-90	4	0.0200	<LLD (0/ 4)	ALL <LLD	-----	<LLD (0/ 0)	0
bay mussel	Zn-65	4	0.0070	<LLD (0/ 4)	ALL <LLD	-----	<LLD (0/ 0)	0
bay mussel	Zr(Nb)-95	4	0.0070	<LLD (0/ 4)	ALL <LLD	-----	<LLD (0/ 0)	0
black perch	Co-58	12	0.0070	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 4)	0

08JUL91

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Table 12A							
Non-Migratory Marine Quarterly Composite (pCi/g) (flesh type)							
black perch	Co-60	12 0.0050	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 4)	0
black perch	Cs-134	12 0.0040	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 4)	0
black perch	Cs-137	12 0.0010	0.0090(6/ 8) (0.004- 0.019)	Units 2/3 Outfall 1.5 mi. SSW	0.0118(2/ 4) (0.005- 0.019)	0.0054(3/ 4) (0.005- 0.006)	0
black perch	Fe-59	12 0.0090	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 4)	0
black perch	I-131	12 0.0150	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 4)	0
black perch	K-40	12 0.0400	2.5750(8/ 8) (2.200- 2.800)	Units 2/3 Outfall 1.5 mi. SSW	2.6750(4/ 4) (2.600- 2.800)	2.4000(4/ 4) (2.100- 2.600)	0
black perch	Mn-54	12 0.0030	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 4)	0

08JUL91

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Table 12A								
Non-Migratory Marine Quarterly Composite (pCi/g) (flesh type)								
black perch	Sr-90	12	0.0200	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 4)	0
black perch	Zn-65	12	0.0070	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 4)	0
black perch	Zr(Nb)-95	12	0.0070	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 4)	0
Table 12A								
Non-Migratory Marine Quarterly Composite (pCi/g) (flesh type)								
keyhole limpet	Co-58	4	0.0070	<LLD (0/ 0)	ALL <LLD	-----	<LLD (0/ 4)	0
keyhole limpet	Co-60	4	0.0050	<LLD (0/ 0)	ALL <LLD	0.0060(1/ 4) (0.006- 0.006)	0.0060(1/ 4) (0.006- 0.006)	0
keyhole limpet	Cs-134	4	0.0040	<LLD (0/ 0)	ALL <LLD	-----	<LLD (0/ 4)	0
keyhole limpet	Cs-137	4	0.0010	<LLD (0/ 0)	ALL <LLD	0.0040(1/ 4) (0.004- 0.004)	0.0040(1/ 4) (0.004- 0.004)	0
keyhole limpet	Fe-59	4	0.0090	<LLD (0/ 0)	ALL <LLD	-----	<LLD (0/ 4)	0
Table 12A								
Non-Migratory Marine Quarterly Composite (pCi/g) (flesh type)								
keyhole limpet	I-131	4	0.0150	<LLD (0/ 0)	ALL <LLD	-----	<LLD (0/ 4)	0
keyhole limpet	Mn-54	4	0.0030	<LLD (0/ 0)	ALL <LLD	-----	<LLD (0/ 4)	0
keyhole limpet	Sr-90	4	0.0200	<LLD (0/ 0)	ALL <LLD	-----	<LLD (0/ 4)	0

08JUL91

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Table 12A							
Non-Migratory Marine							
Quarterly Composite (pCi/g) (flesh type)							
keyhole limpet	Zn-65	4	0.0070	<LLD (0/ 0)	ALL <LLD	----- <LLD (0/ 4)	0
keyhole limpet	Zr(Nb)-95	4	0.0070	<LLD (0/ 0)	ALL <LLD	----- <LLD (0/ 4)	0
sea hare	Co-58	4	0.0070	0.0175(2/ 4) (0.013- 0.022)	Unit 1 Outfall 0.9 mi. WSW 0.0175(2/ 4) (0.013- 0.022)	<LLD (0/ 0)	0
sea hare	Co-60	4	0.0050	0.0205(4/ 4) (0.013- 0.030)	Unit 1 Outfall 0.9 mi. WSW 0.0205(4/ 4) (0.013- 0.030)	<LLD (0/ 0)	0

08JUL91

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Table 12A								
Non-Migratory Marine Quarterly Composite (pCi/g) (flesh type)								
sea hare	Cs-134	4	0.0040	<LLD (0/ 4)	ALL <LLD	-----	<LLD (0/ 0)	0
sea hare	Cs-137	4	0.0010	<LLD (0/ 4)	ALL <LLD	-----	<LLD (0/ 0)	0
sea hare	Fe-59	4	0.0090	<LLD (0/ 4)	ALL <LLD	-----	<LLD (0/ 0)	0
sea hare	I-131	4	0.0150	<LLD (0/ 4)	ALL <LLD	-----	<LLD (0/ 0)	0
				(1.070- 1.710)	Unit 1 Outfall 0.9 mi. WSW	(1.070- 1.710)		
sea hare	Mn-54	4	0.0030	<LLD (0/ 4)	ALL <LLD	-----	<LLD (0/ 0)	0
Table 12A								
Non-Migratory Marine Quarterly Composite (pCi/g) (flesh type)								
				(0.002- 0.070)	Unit 1 Outfall 0.9 mi. WSW	(0.002- 0.070)		
sea hare	Sr-90	4	0.0200	<LLD (0/ 4)	ALL <LLD	-----	<LLD (0/ 0)	0
				(0.011- 1.400)	Unit 1 Outfall 0.9 mi. WSW	(0.011- 1.400)		
sea hare	Zn-65	4	0.0070	<LLD (0/ 4)	ALL <LLD	-----	<LLD (0/ 0)	0
sea hare	Zr(Nb)-95	4	0.0070	<LLD (0/ 4)	ALL <LLD	-----	<LLD (0/ 0)	0
Table 12A								
Non-Migratory Marine Quarterly Composite (pCi/g) (flesh type)								
sheephead	Co-58	12	0.0070	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 4)	0
sheephead	Co-60	12	0.0050	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 4)	0
sheephead	Cs-134	12	0.0040	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 4)	0
sheephead	Cs-137	12	0.0010	0.0090(8/ 8)		0.0107(4/ 4)	0.0054(3/ 4)	0
				(0.006- 0.020)	Units 2/3 Outfall 1.5 mi. SSW	(0.006- 0.020)	(0.003- 0.008)	
sheephead	Fe-59	12	0.0090	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 4)	0

08JUL91

ENVIRONMENTAL RADIOLOGICAL MONITORING PROGRAM SUMMARY
 Docket Nos. 50-206, 50-361, 50-362
 Reporting period: January 1, 1988 to December 31, 1988

Medium or Pathway Sampled (Unit of Measurement)	Type and Total Number of Analyses Performed	Lower Limit of Detection (LLD)	All Indicator Locations Mean(f) Range	Location with Highest Annual Mean Name, Distance and Direction	Mean(f) Range	Control Locations Mean(f) Range	Number of Nonroutine Reported Measurements	
Table 12A								
Non-Migratory Marine Quarterly Composite (pCi/g) (flesh type)								
sheephead	I-131	12	0.0150	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 4)	0
sheephead	K-40	12	0.0400	3.0625(8/ 8) (2.100- 3.700)	Units 2/3 Outfall 1.5 mi. SSW	3.3750(4/ 4) (2.900- 3.700)	2.9500(4/ 4) (2.800- 3.200)	0
sheephead	Mn-54	12	0.0030	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 4)	0
sheephead	Sr-90	12	0.0200	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 4)	0
Table 12A								
Non-Migratory Marine Quarterly Composite (pCi/g) (flesh type)								
sheephead	Zn-65	12	0.0070	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 4)	0
sheephead	Zr(Nb)-95	12	0.0070	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 4)	0
spiny lobster	Co-58	12	0.0070	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 4)	0
spiny lobster	Co-60	12	0.0050	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 4)	0
spiny lobster	Cs-134	12	0.0040	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 4)	0
Table 12A								
Non-Migratory Marine Quarterly Composite (pCi/g) (flesh type)								
spiny lobster	Cs-137	12	0.0010	0.0060(1/ 8) (0.006- 0.006)	Unit 1 Outfall 0.9 mi. WSW	0.0060(1/ 4) (0.006- 0.006)	0.0030(1/ 4) (0.003- 0.003)	0
spiny lobster	Fe-59	12	0.0090	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 4)	0
spiny lobster	I-131	12	0.0150	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 4)	0
spiny lobster	K-40	12	0.0400	2.3875(8/ 8) (1.400- 3.000)	Unit 1 Outfall 0.9 mi. WSW	2.4250(4/ 4) (1.400- 3.000)	1.8825(4/ 4) (1.260- 2.600)	0
spiny lobster	Mn-54	12	0.0030	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 4)	0

08JUL91

ENVIRONMENTAL RADIOLOGICAL MONITORING PROGRAM SUMMARY
Docket Nos. 50-206, 50-361, 50-362
Reporting period: January 1, 1988 to December 31, 1988

Medium or Pathway Sampled (Unit of Measurement)	Type and Total Number of Analyses Performed	Lower Limit of Detection (LLD)	All Indicator Locations Mean(f) Range	Location with Highest Annual Mean Name, Distance and Direction	Mean(f) Range	Control Locations Mean(f) Range	Number of Nonroutine Reported Measurements	
Table 12A								
Non-Migratory Marine Quarterly Composite (pCi/g) (flesh type)								
spiny lobster	Sr-90	12	0.0200	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 4)	0
spiny lobster	Zn-65	12	0.0070	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 4)	0
spiny lobster	Zr(Nb)-95	12	0.0070	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 4)	0
Table 12B								
Non-Migratory Marine Quarterly Composite (pCi/g) (bone type)								
bay mussel	Co-58	4	0.0100	<LLD (0/ 4)	ALL <LLD	-----	<LLD (0/ 0)	0
bay mussel	Co-60	4	0.0110	<LLD (0/ 4)	ALL <LLD	-----	<LLD (0/ 0)	0
bay mussel	Cs-134	4	0.0100	<LLD (0/ 4)	ALL <LLD	-----	<LLD (0/ 0)	0
bay mussel	Cs-137	4	0.0080	<LLD (0/ 4)	ALL <LLD	-----	<LLD (0/ 0)	0
bay mussel	Fe-59	4	0.0200	<LLD (0/ 4)	ALL <LLD	-----	<LLD (0/ 0)	0
Table 12B								
Non-Migratory Marine Quarterly Composite (pCi/g) (bone type)								
bay mussel	I-131	4	0.0400	<LLD (0/ 4) (0.340- 1.500)	ALL <LLD Units 2/3 Outfall 1.5 mi. SSW (0.340- 1.500)	-----	<LLD (0/ 0)	0
bay mussel	Mn-54	4	0.0080	<LLD (0/ 4)	ALL <LLD	-----	<LLD (0/ 0)	0
bay mussel	Sr-90	4	0.0120	<LLD (0/ 4)	ALL <LLD	-----	<LLD (0/ 0)	0
Table 12B								
Non-Migratory Marine Quarterly Composite (pCi/g) (bone type)								
bay mussel	Zn-65	4	0.0160	<LLD (0/ 4)	ALL <LLD	-----	<LLD (0/ 0)	0
bay mussel	Zr(Nb)-95	4	0.0160	<LLD (0/ 4)	ALL <LLD	-----	<LLD (0/ 0)	0
black perch	Co-58	12	0.0100	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 4)	0
black perch	Co-60	12	0.0110	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 4)	0
black perch	Cs-134	12	0.0100	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 4)	0

08JUL91

ENVIRONMENTAL RADIOLOGICAL MONITORING PROGRAM SUMMARY
Docket Nos. 50-206, 50-361, 50-362
Reporting period: January 1, 1988 to December 31, 1988

Medium or Pathway Sampled (Unit of Measurement)	Type and Total Number of Analyses Performed	Lower Limit of Detection (LLD)	All Indicator Locations Mean(f) Range	Location with Highest Annual Mean Name, Distance and Direction	Mean(f) Range	Control Locations Mean(f) Range	Number of Nonroutine Reported Measurements	
Table 12B Non-Migratory Marine Quarterly Composite (pCi/g) (bone type)								
black perch	Cs-137	12	0.0080	0.0096(1/ 8) (0.010- 0.010)	Newport Beach 18.2 mi. NW	0.0170(2/ 4) (0.005- 0.029)	0.0170(2/ 4) (0.005- 0.029)	0
black perch	Fe-59	12	0.0200	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 4)	0
black perch	I-131	12	0.0400	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 4)	0
black perch	K-40	12	0.0870	1.4963(8/ 8) (0.400- 2.300)	Newport Beach 18.2 mi. NW	1.9250(4/ 4) (1.600- 2.200)	1.9250(4/ 4) (1.600- 2.200)	0
black perch	Mn-54	12	0.0080	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 4)	0
Table 12B Non-Migratory Marine Quarterly Composite (pCi/g) (bone type)								
black perch	Sr-90	12	0.0120	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 4)	0
black perch	Zn-65	12	0.0160	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 4)	0
black perch	Zr(Nb)-95	12	0.0160	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 4)	0
keyhole limpet	Co-58	4	0.0100	<LLD (0/ 0)	ALL <LLD	-----	<LLD (0/ 4)	0
Table 12B Non-Migratory Marine Quarterly Composite (pCi/g) (bone type)								
keyhole limpet	Co-60	4	0.0110	<LLD (0/ 0)	ALL <LLD	-----	<LLD (0/ 4)	0
keyhole limpet	Cs-134	4	0.0100	<LLD (0/ 0)	ALL <LLD	-----	<LLD (0/ 4)	0
keyhole limpet	Cs-137	4	0.0080	<LLD (0/ 0)	ALL <LLD	-----	<LLD (0/ 4)	0
keyhole limpet	Fe-59	4	0.0200	<LLD (0/ 0)	ALL <LLD	-----	<LLD (0/ 4)	0
keyhole limpet	I-131	4	0.0400	<LLD (0/ 0)	ALL <LLD	-----	<LLD (0/ 4)	0
keyhole limpet	Mn-54	4	0.0080	<LLD (0/ 0)	ALL <LLD	-----	<LLD (0/ 4)	0

08JUL91

ENVIRONMENTAL RADIOLOGICAL MONITORING PROGRAM SUMMARY
 Docket Nos. 50-206, 50-361, 50-362
 Reporting period: January 1, 1988 to December 31, 1988

Medium or Pathway Sampled (Unit of Measurement)	Type and Total Number of Analyses Performed	Lower Limit of Detection (LLD)	All Indicator Locations Mean(f) Range	Location with Highest Annual Mean Name, Distance and Direction	Mean(f) Range	Control Locations Mean(f) Range	Number of Nonroutine Reported Measurements	
Table 12B								
Non-Migratory Marine								
Quarterly Composite (pCi/g) (bone type)								
keyhole limpet	Sr-90	4	0.0120	<LLD (0/ 0)	ALL <LLD	-----	<LLD (0/ 4)	0
keyhole limpet	Zn-65	4	0.0160	<LLD (0/ 0)	ALL <LLD	-----	<LLD (0/ 4)	0
keyhole limpet	Zr(Nb)-95	4	0.0160	<LLD (0/ 0)	ALL <LLD	-----	<LLD (0/ 4)	0
Table 12B								
Non-Migratory Marine								
Quarterly Composite (pCi/g) (bone type)								
sheephead	Co-58	12	0.0100	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 4)	0
sheephead	Co-60	12	0.0110	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 4)	0
sheephead	Cs-134	12	0.0100	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 4)	0
sheephead	Cs-137	12	0.0080	0.0040(3/ 8) (0.003- 0.005)	Newport Beach 18.2 mi. NW	0.0069(1/ 4) (0.007- 0.007)	0.0069(1/ 4) (0.007- 0.007)	0
sheephead	Fe-59	12	0.0200	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 4)	0
sheephead	I-131	12	0.0400	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 4)	0
sheephead	K-40	12	0.0870	1.4462(8/ 8) (0.200- 2.300)	Newport Beach 18.2 mi. NW	1.8750(4/ 4) (0.600- 2.600)	1.8750(4/ 4) (0.600- 2.600)	0
sheephead	Mn-54	12	0.0080	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 4)	0
Table 12B								
Non-Migratory Marine								
Quarterly Composite (pCi/g) (bone type)								
sheephead	Sr-90	12	0.0120	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 4)	0
sheephead	Zn-65	12	0.0160	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 4)	0
sheephead	Zr(Nb)-95	12	0.0160	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 4)	0

08JUL91

ENVIRONMENTAL RADIOLOGICAL MONITORING PROGRAM SUMMARY
 Docket Nos. 50-206, 50-361, 50-362
 Reporting period: January 1, 1988 to December 31, 1988

Medium or Pathway Sampled (Unit of Measurement)	Type and Total Number of Analyses Performed	Lower Limit of Detection (LLD)	All Indicator Locations Mean(f) Range	Location with Highest Annual Mean Name, Distance and Direction	Mean(f) Range	Control Locations Mean(f) Range	Number of Nonroutine Reported Measurements
Table 12B							
Non-Migratory Marine							
Quarterly Composite							
(pCi/g) (bone type)							
spiny lobster	Co-58	12 0.0100	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 4)	0
spiny lobster	Co-60	12 0.0110	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 4)	0
spiny lobster	Cs-134	12 0.0100	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 4)	0
spiny lobster	Cs-137	12 0.0080	0.0240(1/ 8) (0.024- 0.024)	Unit 1 Outfall 0.9 mi. WSW	0.0240(1/ 4) (0.024- 0.024)	<LLD (0/ 4)	0
spiny lobster	Fe-59	12 0.0200	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 4)	0
spiny lobster	I-131	12 0.0400	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 4)	0

08JUL91

ENVIRONMENTAL RADIOLOGICAL MONITORING PROGRAM SUMMARY
 Docket Nos. 50-206, 50-361, 50-362
 Reporting period: January 1, 1988 to December 31, 1988

Medium or Pathway Sampled (Unit of Measurement)	Type and Total Number of Analyses Performed	Lower Limit of Detection (LLD)	All Indicator Locations Mean(f) Range	Location with Highest Annual Mean Name, Distance and Direction	Mean(f) Range	Control Locations Mean(f) Range	Number of Nonroutine Reported Measurements	
Table 12B								
Non-Migratory Marine Quarterly Composite (pCi/g) (bone type)								
spiny lobster	K-40	12	0.0870	1.6550(8/ 8) (0.660- 3.300)	Unit 1 Outfall 0.9 mi. WSW	2.1250(4/ 4) (1.030- 3.300)	1.4000(4/ 4) (0.990- 1.900)	0
spiny lobster	Mn-54	12	0.0080	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 4)	0
spiny lobster	Sr-90	12	0.0120	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 4)	0
spiny lobster	Zn-65	12	0.0160	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 4)	0
Table 12B								
Non-Migratory Marine Quarterly Composite (pCi/g) (bone type)								
spiny lobster	Zr(Nb)-95	12	0.0160	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 4)	0
Table 13A								
Local Crops Semi-Annual Composite (pCi/g)								
cauliflower	Co-58	1	0.0010	<LLD (0/ 1)	ALL <LLD	-----	<LLD (0/ 0)	0
cauliflower	Co-60	1	0.0020	<LLD (0/ 1)	ALL <LLD	-----	<LLD (0/ 0)	0
cauliflower	Cs-134	1	0.0010	<LLD (0/ 1)	ALL <LLD	-----	<LLD (0/ 0)	0
cauliflower	Cs-137	1	0.0010	<LLD (0/ 1)	ALL <LLD	-----	<LLD (0/ 0)	0
cauliflower	I-131	1	0.0090	<LLD (0/ 1)	ALL <LLD	-----	<LLD (0/ 0)	0
Table 13A								
Local Crops Semi-Annual Composite (pCi/g)								
				(2.600- 2.600)	San Mateo Canyon 2.6 mi. NW	(2.600- 2.600)		
cauliflower	Zr(Nb)-95	1	0.0020	<LLD (0/ 1)	ALL <LLD	-----	<LLD (0/ 0)	0
corn	Co-58	1	0.0010	<LLD (0/ 1)	ALL <LLD	-----	<LLD (0/ 0)	0
corn	Co-60	1	0.0020	<LLD (0/ 1)	ALL <LLD	-----	<LLD (0/ 0)	0

08JUL91

ENVIRONMENTAL RADIOLOGICAL MONITORING PROGRAM SUMMARY
 Docket Nos. 50-206, 50-361, 50-362
 Reporting period: January 1, 1988 to December 31, 1988

Medium or Pathway Sampled (Unit of Measurement)	Type and Total Number of Analyses Performed	Lower Limit of Detection (LLD)	All Indicator Locations Mean(f) Range	Location with Highest Annual Mean Name, Distance and Direction	Mean(f) Range	Control Locations Mean(f) Range	Number of Nonroutine Reported Measurements	
Table 13A								
Local Crops								
Semi-Annual Composite (pCi/g)								
corn	Cs-134	1	0.0010	<LLD (0/ 1)	ALL <LLD	-----	<LLD (0/ 0)	0
corn	Cs-137	1	0.0010	<LLD (0/ 1)	ALL <LLD	-----	<LLD (0/ 0)	0
corn	I-131	1	0.0090	<LLD (0/ 1)	ALL <LLD	-----	<LLD (0/ 0)	0
				(1.090- 1.090)	San Mateo Canyon (1.090- 1.090)			
					2.6 mi. NW			
corn	Zr(Nb)-95	1	0.0020	<LLD (0/ 1)	ALL <LLD	-----	<LLD (0/ 0)	0
Table 13A								
Local Crops								
Semi-Annual Composite (pCi/g)								
cucumber	Co-58	4	0.0010	<LLD (0/ 2)	ALL <LLD	-----	<LLD (0/ 2)	0
cucumber	Co-60	4	0.0020	<LLD (0/ 2)	ALL <LLD	-----	<LLD (0/ 2)	0
cucumber	Cs-134	4	0.0010	<LLD (0/ 2)	ALL <LLD	-----	<LLD (0/ 2)	0
cucumber	Cs-137	4	0.0010	<LLD (0/ 2)	ALL <LLD	-----	<LLD (0/ 2)	0
cucumber	I-131	4	0.0090	<LLD (0/ 2)	ALL <LLD	-----	<LLD (0/ 2)	0
cucumber	K-40	4	0.0120	1.3550(2/ 2)	SE of Oceanside (1.340- 1.370)	1.6950(2/ 2)	1.6950(2/ 2)	0
					22 mi. SE	(1.490- 1.900)	(1.490- 1.900)	
cucumber	Zr(Nb)-95	4	0.0020	<LLD (0/ 2)	ALL <LLD	-----	<LLD (0/ 2)	0
Table 13A								
Local Crops								
Semi-Annual Composite (pCi/g)								
tomato	Co-58	2	0.0010	<LLD (0/ 0)	ALL <LLD	-----	<LLD (0/ 2)	0
tomato	Co-60	2	0.0020	<LLD (0/ 0)	ALL <LLD	-----	<LLD (0/ 2)	0
tomato	Cs-134	2	0.0010	<LLD (0/ 0)	ALL <LLD	-----	<LLD (0/ 2)	0
tomato	Cs-137	2	0.0010	<LLD (0/ 0)	ALL <LLD	-----	<LLD (0/ 2)	0
tomato	I-131	2	0.0090	<LLD (0/ 0)	ALL <LLD	-----	<LLD (0/ 2)	0

08JUL91

ENVIRONMENTAL RADIOLOGICAL MONITORING PROGRAM SUMMARY
 Docket Nos. 50-206, 50-361, 50-362
 Reporting period: January 1, 1988 to December 31, 1988

Medium or Pathway Sampled (Unit of Measurement)	Type and Total Number of Analyses Performed	Lower Limit of Detection (LLD)	All Indicator Locations Mean(f) Range	Location with Highest Annual Mean Mean(f) Range	Control Locations Mean(f) Range	Number of Nonroutine Reported Measurements	
Table 13A Local Crops Semi-Annual Composite (pCi/g)							
tomato	Zr(Nb)-95	2	0.0020	<LLD (0/ 0)	SE of Oceanside 22 mi. SE (1.430- 1.900) (1.430- 1.900) ALL <LLD	0	
Table 13B Local Crops Semi-Annual Composite (pCi/g)							
cauliflower	Sr-90	1	0.0005	<LLD (0/ 1)	ALL <LLD	0	
corn	Sr-90	1	0.0005	<LLD (0/ 1)	ALL <LLD	0	
cucumber	Sr-90	4	0.0005	<LLD (0/ 2)	ALL <LLD	0	
Table 13B Local Crops Semi-Annual Composite (pCi/g)							
tomato	Sr-90	2	0.0005	<LLD (0/ 0)	ALL <LLD	0	
Table 14 Soil Samples Annual Composite (pCi/g)							
	Co-58	5	0.0100	<LLD (0/ 4)	ALL <LLD	0	
	Co-60	5	0.0110	<LLD (0/ 4)	ALL <LLD	0	
	Cs-134	5	0.0090	<LLD (0/ 4)	ALL <LLD	0	
	Cs-137	5	0.0070	0.0800(2/ 4) (0.070- 0.090)	Camp San Onofre Camp Pen. 2.5 mi. NE (0.090- 0.090)	0.0900(1/ 1) 0.0400(1/ 1)	0
	I-131	5	0.0210	<LLD (0/ 4)	ALL <LLD	<LLD (0/ 1)	0

08JUL91

ENVIRONMENTAL RADIOLOGICAL MONITORING PROGRAM SUMMARY
 Docket Nos. 50-206, 50-361, 50-362
 Reporting period: January 1, 1988 to December 31, 1988

Medium or Pathway Sampled (Unit of Measurement)	Type and Total Number of Analyses Performed	Lower Limit of Detection (LLD)	All Indicator Locations Mean(f) Range	Location with Highest Annual Mean Name, Distance and Direction	Mean(f) Range	Control Locations Mean(f) Range	Number of Nonroutine Reported Measurements
Table 14 Soil Samples Annual Composite (pCi/g)							
K-40	5	0.0840	13.400(4/ 4) (6.900-17.500)	Huntington Beach Generating Station 37 mi. NW	21.000(1/ 1) (21.000-21.000)	21.000(1/ 1) (21.000-21.000)	0
Sr-89	5	0.0070	<LLD (0/ 4)	ALL <LLD	-----	<LLD (0/ 1)	0
Sr-90	5	0.0070	0.0333(3/ 4) (0.020- 0.040)	E. Site Boundary 0.2 mi. NNW	0.0400(1/ 1) (0.040- 0.040)	0.0200(1/ 1) (0.020- 0.020)	0
Zr(Nb)-95	5	0.0150	<LLD (0/ 4)	ALL <LLD	-----	<LLD (0/ 1)	0

08JUL91

ENVIRONMENTAL RADIOLOGICAL MONITORING PROGRAM SUMMARY
 Docket Nos. 50-206, 50-361, 50-362
 Reporting period: January 1, 1988 to December 31, 1988

Medium or Pathway Sampled (Unit of Measurement)	Type and Total Number of Analyses Performed	Lower Limit of Detection (LLD)	All Indicator Locations Mean(f) Range	Location with Highest Annual Mean Name, Distance and Direction	Mean(f) Range	Control Locations Mean(f) Range	Number of Nonroutine Reported Measurements	
Table 15								
Kelp								
Semi-Annual Composite (pCi/g)								
macrocystis p.	Co-58	7	0.0090	<LLD (0/ 5)	ALL <LLD	-----	<LLD (0/ 2)	0
macrocystis p.	Co-60	7	0.0100	<LLD (0/ 5)	ALL <LLD	-----	<LLD (0/ 2)	0
macrocystis p.	Cs-134	7	0.0080	<LLD (0/ 5)	ALL <LLD	-----	<LLD (0/ 2)	0
macrocystis p.	Cs-137	7	0.0060	<LLD (0/ 5)	ALL <LLD	-----	<LLD (0/ 2)	0
macrocystis p.	Fe-59	7	0.0180	<LLD (0/ 5)	ALL <LLD	-----	<LLD (0/ 2)	0
Table 15								
Kelp								
Semi-Annual Composite (pCi/g)								
macrocystis p.	I-131	7	0.0200	0.0690(2/ 5) (0.056- 0.082)	Newport Beach 15.6 mi. NW	0.0870(1/ 2) (0.087- 0.087)	0.0870(1/ 2) (0.087- 0.087)	0
macrocystis p.	K-40	7	0.0770	5.9400(5/ 5) (3.500- 9.100)	Newport Beach 15.6 mi. NW	7.5500(2/ 2) (7.200- 7.900)	7.5500(2/ 2) (7.200- 7.900)	0
macrocystis p.	Mn-54	7	0.0070	<LLD (0/ 5)	ALL <LLD	-----	<LLD (0/ 2)	0
Table 15								
Kelp								
Semi-Annual Composite (pCi/g)								
macrocystis p.	Zn-65	7	0.0140	<LLD (0/ 5)	ALL <LLD	-----	<LLD (0/ 2)	0
macrocystis p.	Zr(Nb)-95	7	0.0140	<LLD (0/ 5)	ALL <LLD	-----	<LLD (0/ 2)	0