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NRC TLD Direct Radiation Monitoring Network

Progress Report
October - December 1997

U.S. Nuclear Regulatory Commission

NRC Region I

R. Struckmeyer

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Region I
U.S. Nuclear Regulatory Commission
King of Prussia, PA 19406

Preface

This is the final report of the U. S. Nuclear Regulatory Commission (NRC) Direct Radiation Monitoring Network, covering the fourth quarter of 1997. The Network was operated by the NRC in cooperation with participating states to provide continuous measurement of the ambient radiation levels around licensed NRC facilities, primarily power reactors. Ambient radiation levels result from naturally occurring radionuclides present in the soil, cosmic radiation constantly bombarding the earth from outer space, and the contribution, if any, from the monitored facilities and other man-made sources. The Network was intended to measure radiation levels during routine facility operations and to establish background radiation levels used to assess the radiological impact of an unusual condition, such as an accident. This report presents the radiation levels measured around all facilities in the Network for the fourth quarter of 1997. A complete listing of the site facilities monitored is included. In some instances, two power reactor facilities are monitored by the same set of dosimeters (e.g., Kewaunee and Point Beach).

All radiation measurements are made using small, passive detectors called thermoluminescent dosimeters (TLDs), which provide a quantitative measurement of the radiation levels in the area in which they are placed. Each site is monitored by arranging approximately 40 to 50 TLD stations in two concentric rings extending to about five miles from the facility. All TLD stations are outside the site boundary of the facility. A complete description of the program can be found in NUREG-0837, Volume 2, Number 4. A similar description can also be found in the fourth quarter report of each subsequent year through 1996. The National Institute of Standards and Technology (formerly the National Bureau of Standards) has performed an independent study of the following characteristics of the NRC dosimetry system; energy response, angular dependence, temperature and humidity sensitivity, fading, light dependence, self-irradiation, and reproducibility. NIST has also tested the response of the NRC's dosimetry system against the requirements of ANSI N545-1975 and NRC Regulatory Guide 4.13. Details of this testing can be found in NUREG/CR-3775.

The radiation levels are presented as gross and net exposures. The gross exposure includes naturally occurring background radiation, radiation levels resulting from a facility's operation, and the exposure received during transport and storage of the TLD. Net exposures are obtained by subtracting an estimate of the exposure received by the dosimeters during transit from the gross exposures. All exposures are normalized to a 90-day quarter (standard quarter) and reported in units of milliroentgens (mR). Station numbers for which no data are reported included stations which have been deleted, stations for which the TLD was lost during the quarter, or stations for which the TLD was damaged. When control dosimeter data are unavailable, no net exposures are calculated.

Three sets of data are presented for each site. The first set includes the TLD station number, its direction and distance from the site, the integrated gross exposure for the period, the net exposure normalized to a 90-day quarter (standard quarter), and the historical average and standard deviation for the station. All measurements for the current quarter are listed with their respective random and total uncertainties. The uncertainties are listed in the following format:

$X +- S_x; U_x$

where X = value of the result
S_x = random uncertainty expressed as one standard deviation
U_x = combined total uncertainty

The second set of data summarizes the average net exposure measured in each of the 16 standard windrose sectors around the facility, normalized to a standard quarter. The third set of data summarizes the average net exposure measured at three ranges of distances from the facility, normalized to a standard quarter. When average net exposures cannot be reported because of the unavailability of the site's transit control dosimeter, the average gross exposures, normalized to a standard quarter, are reported in these two sets of data. The "Std.Dev." refers to the standard deviation of the measurements made in each sector and range, respectively.

Sites Monitored During the Fourth Quarter 1997

1. Arkansas Nuclear One
2. Beaver Valley
3. Big Rock Point
4. Braidwood
5. Browns Ferry
6. Brunswick
7. Byron
8. Callaway
9. Calvert Cliffs
10. Catawba
11. Clinton
12. Comanche Peak
13. Cooper
14. Crystal River
15. Davis Besse
16. D.C. Cook
17. Diablo Canyon
18. Dresden
19. Duane Arnold
20. Farley
21. Fermi
22. FitzPatrick/Nine Mile Point
23. Fort Calhoun
24. Fort St. Vrain
25. Ginna
26. Grand Gulf
27. Haddam Neck
28. Harris
29. Hatch
30. Indian Point
31. Kewaunee/Point Beach
32. Lacrosse
33. LaSalle
34. Limerick
35. Maine Yankee
36. McGuire
37. Millstone
38. Monticello
39. North Anna
40. Oconee
41. Oyster Creek
42. Palisades
43. Palo Verde
44. Peach Bottom
45. Perry
46. Pilgrim
47. Prairie Island
48. Quad Cities
49. Rancho Seco
50. River Bend
51. Robinson
52. Salem/Hope Creek
53. San Onofre
54. Seabrook
55. Sequoyah
56. South Texas
57. St. Lucie
58. Summer
59. Surry
60. Susquehanna
61. Three Mile Island
62. Trojan
63. Turkey Point
64. Vermont Yankee
65. Vogtle
66. Washington Nuclear 2
67. Waterford
68. Watts Bar
69. Wolf Creek
70. Yankee Rowe
71. Zion

ARKANSAS
TLD Direct Radiation Environmental Monitoring
For the period 970908-980205 151 Days
Field Time: 85 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	4	0.4	25.0 +- 0.7; 3.7	16.4 +- 1.0; 5.3	17.2 +- 1.2
2	353	4.1	24.8 +- 0.7; 3.7	16.2 +- 0.9; 5.3	17.4 +- 1.1
3	32	1.3	25.8 +- 0.8; 3.9	17.2 +- 1.0; 5.4	18.1 +- 1.0
4	13	3.3	25.4 +- 0.8; 3.8	16.8 +- 1.0; 5.4	16.8 +- 1.2
5	53	1.5	23.5 +- 0.7; 3.5	14.7 +- 0.9; 5.1	17.4 +- 1.2
6	37	3.6	24.5 +- 0.7; 3.7	15.9 +- 0.9; 5.3	16.6 +- 1.1
7	78	2.5	26.7 +- 0.8; 4.0	18.2 +- 1.0; 5.5	18.8 +- 1.3
8	60	3.2	27.2 +- 0.8; 4.1	18.7 +- 1.0; 5.6	20.1 +- 2.2
9	92	0.5	26.2 +- 0.8; 3.9	17.7 +- 1.0; 5.5	19.1 +- 1.5
10	83	5.5	25.8 +- 0.8; 3.9	17.3 +- 1.0; 5.4	17.5 +- 1.1
11	122	2.1	23.0 +- 0.7; 3.4	14.2 +- 0.9; 5.1	16.4 +- 1.1
12	109	6.8	25.8 +- 0.8; 3.9	17.2 +- 1.0; 5.4	18.1 +- 1.2
13	138	2.6	24.1 +- 0.7; 3.6	15.4 +- 0.9; 5.2	15.2 +- 1.2
14	130	4.9	24.2 +- 0.7; 3.6	15.5 +- 0.9; 5.2	16.1 +- 1.2
16	167	4.4	24.2 +- 0.7; 3.6	15.5 +- 0.9; 5.2	17.4 +- 1.1
17	171	0.4	25.2 +- 0.8; 3.8	16.6 +- 1.0; 5.3	17.1 +- 1.3
18	189	3.2	Missing Dosimeter	No Net Data	17.4 +- 1.2
19	205	2.9	24.9 +- 0.7; 3.7	16.2 +- 0.9; 5.3	16.9 +- 1.3
20	195	5.8	23.0 +- 0.7; 3.4	14.2 +- 0.9; 5.1	16.0 +- 1.6
21	235	0.5	27.3 +- 0.8; 4.1	18.8 +- 1.0; 5.6	19.5 +- 1.4
22	230	3.6	22.4 +- 0.7; 3.4	13.6 +- 0.9; 5.0	14.5 +- 1.2
23	257	2.8	22.5 +- 0.7; 3.4	13.7 +- 0.9; 5.0	16.0 +- 1.6
24	243	4.5	23.5 +- 0.7; 3.5	14.8 +- 0.9; 5.1	16.6 +- 1.3
25	279	1.2	27.6 +- 0.8; 4.1	19.2 +- 1.0; 5.6	20.1 +- 1.3
26	263	4.3	23.6 +- 0.7; 3.5	14.9 +- 0.9; 5.2	17.4 +- 1.3
27	298	0.4	25.8 +- 0.8; 3.9	17.3 +- 1.0; 5.4	18.8 +- 1.3
28	293	5.8	24.6 +- 0.7; 3.7	15.9 +- 0.9; 5.3	17.0 +- 1.2
29	326	1.9	25.4 +- 0.8; 3.8	16.8 +- 1.0; 5.4	18.0 +- 1.1
30	308	4.8	24.9 +- 0.7; 3.7	16.3 +- 1.0; 5.3	17.8 +- 1.4
31	345	1.3	25.4 +- 0.8; 3.8	16.8 +- 1.0; 5.4	18.6 +- 1.4
32	335	4.2	24.5 +- 0.7; 3.7	15.9 +- 0.9; 5.3	15.8 +- 1.4
33	110	0.8	25.6 +- 0.8; 3.8	17.1 +- 1.0; 5.4	18.6 +- 1.4
39	112	6.0	25.0 +- 0.7; 3.7	16.4 +- 1.0; 5.3	18.4 +- 1.4
40	147	8.0	24.7 +- 0.7; 3.7	16.0 +- 0.9; 5.3	18.3 +- 1.2
41	106	17.0	24.9 +- 0.7; 3.7	16.2 +- 0.9; 5.3	17.7 +- 1.1
42	310	17.0	23.8 +- 0.7; 3.6	15.1 +- 0.9; 5.2	16.0 +- 1.3
43	105	5.2	24.5 +- 0.7; 3.7	15.8 +- 0.9; 5.3	18.2 +- 1.4
44	315	13.0	24.5 +- 0.7; 3.7	15.8 +- 0.9; 5.3	17.6 +- 1.2
45	47	8.9	22.8 +- 0.7; 3.4	14.0 +- 0.9; 5.1	15.6 +- 1.6
46	115	8.3	26.0 +- 0.8; 3.9	17.4 +- 1.0; 5.4	18.4 +- 1.5
47	208	20.0	24.9 +- 0.7; 3.7	16.3 +- 1.0; 5.3	17.1 +- 1.3
48	179	19.0	26.0 +- 0.8; 3.9	17.5 +- 1.0; 5.4	17.3 +- 1.3
49	150	22.0	25.1 +- 0.8; 3.8	16.5 +- 1.0; 5.3	18.1 +- 1.5

Transit Dose = 9.5 +- 0.5; 3.4

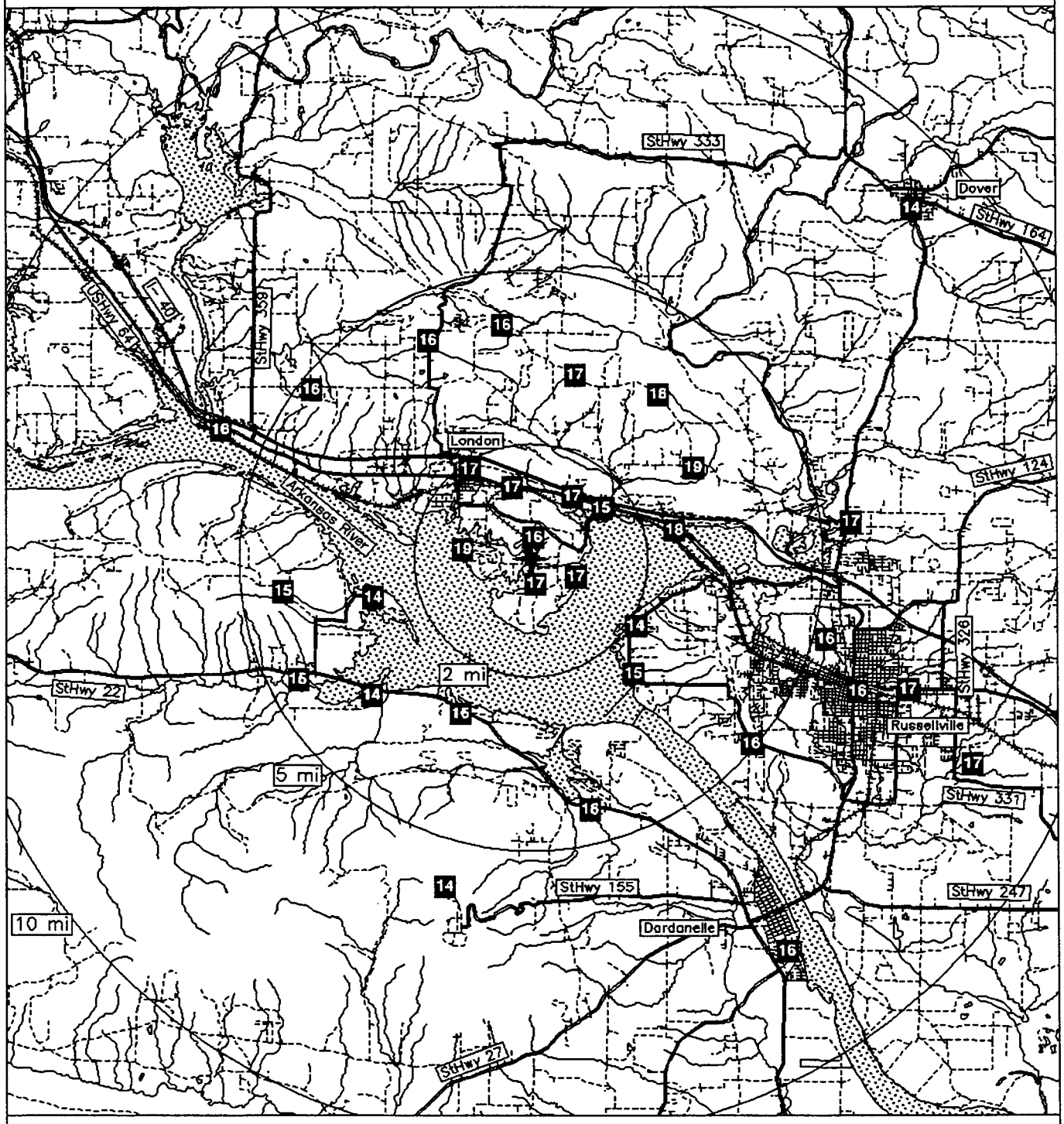
ARKANSAS
For the period 970908-980205

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	16.3 +- 0.1	2
11.26 - 33.75 NNE	17.0 +- 0.3	2
33.76 - 56.25 NE	14.9 +- 1.0	3
56.26 - 78.75 ENE	18.4 +- 0.4	2
78.76 - 101.25 E	17.5 +- 0.3	2
101.26 - 123.75 ESE	16.3 +- 1.1	7
123.76 - 146.25 SE	15.5 +- 0.1	2
146.26 - 168.75 SSE	15.8 +- 0.4	2
168.76 - 191.25 S	16.6 +- 0.0	1
191.26 - 213.75 SSW	15.2 +- 1.4	2
213.76 - 236.25 SW	16.2 +- 3.7	2
236.26 - 258.75 WSW	14.2 +- 0.8	2
258.76 - 281.25 W	17.0 +- 3.1	2
281.26 - 303.75 WNW	16.6 +- 0.9	2
303.76 - 326.25 NW	16.0 +- 0.7	4
326.26 - 348.75 NNW	16.3 +- 0.6	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	17.1 +- 1.2	11
2 - 5	15.7 +- 1.4	16
> 5	16.0 +- 1.1	12
Upwind Control	16.8 +- 0.6	3

NRC TLD DOSES FOR ARKANSAS AREA



Miles

0 2 4

Legend

Water
Railroads
Plant..site
Highways
Roads

BEAVER VALLEY
TLD Direct Radiation Environmental Monitoring
For the period 970910-980126 139 Days
Field Time: 98 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	340	15.8	23.7 +- 0.7; 3.6	16.4 +- 0.8; 4.5	16.7 +- 1.2
2	3	13.1	25.0 +- 0.7; 3.7	17.6 +- 0.8; 4.6	17.1 +- 1.4
4	29	11.9	24.6 +- 0.7; 3.7	17.3 +- 0.8; 4.6	19.2 +- 2.4
5	53	8.2	25.3 +- 0.8; 3.8	17.9 +- 0.8; 4.6	18.3 +- 1.3
6	58	9.1	26.9 +- 0.8; 4.0	19.4 +- 0.8; 4.8	19.2 +- 1.2
7	97	8.0	27.6 +- 0.8; 4.1	19.9 +- 0.9; 4.9	19.5 +- 1.3
8	110	4.2	26.4 +- 0.8; 4.0	18.9 +- 0.8; 4.8	18.6 +- 1.4
9	111	1.9	28.3 +- 0.8; 4.2	20.6 +- 0.9; 5.0	19.9 +- 1.3
10	92	2.2	27.0 +- 0.8; 4.1	19.4 +- 0.8; 4.8	19.3 +- 1.2
11	64	3.6	26.7 +- 0.8; 4.0	19.1 +- 0.8; 4.8	19.3 +- 1.5
12	148	4.0	28.2 +- 0.8; 4.2	20.6 +- 0.9; 4.9	20.7 +- 1.3
13	171	4.4	26.0 +- 0.8; 3.9	18.5 +- 0.8; 4.7	18.4 +- 1.2
14	183	4.4	25.2 +- 0.8; 3.8	17.8 +- 0.8; 4.6	18.3 +- 1.3
15	198	3.6	25.6 +- 0.8; 3.8	18.1 +- 0.8; 4.7	18.4 +- 1.3
16	254	5.7	27.6 +- 0.8; 4.1	20.0 +- 0.9; 4.9	18.1 +- 1.0
17	267	6.5	Missing Dosimeter	No Net Data	17.3 +- 1.5
18	231	2.5	25.7 +- 0.8; 3.9	18.3 +- 0.8; 4.7	18.4 +- 1.3
19	266	2.5	27.7 +- 0.8; 4.1	20.0 +- 0.9; 4.9	19.9 +- 1.4
20	291	3.8	24.7 +- 0.7; 3.7	17.3 +- 0.8; 4.6	16.8 +- 1.7
21	287	1.8	28.6 +- 0.9; 4.3	20.9 +- 0.9; 5.0	20.7 +- 1.3
22	219	1.5	25.9 +- 0.8; 3.9	18.4 +- 0.8; 4.7	17.6 +- 1.2
23	252	2.4	28.7 +- 0.9; 4.3	21.0 +- 0.9; 5.0	21.1 +- 1.8
24	207	2.2	27.9 +- 0.8; 4.2	20.2 +- 0.9; 4.9	19.4 +- 1.3
25	187	2.2	28.3 +- 0.8; 4.2	20.6 +- 0.9; 5.0	19.8 +- 1.3
26	158	2.2	26.2 +- 0.8; 3.9	18.7 +- 0.8; 4.7	18.6 +- 1.6
27	135	1.9	25.5 +- 0.8; 3.8	18.1 +- 0.8; 4.7	19.4 +- 1.6
28	99	1.4	30.6 +- 0.9; 4.6	22.7 +- 0.9; 5.2	20.2 +- 1.4
29	64	1.4	25.2 +- 0.8; 3.8	17.8 +- 0.8; 4.6	18.2 +- 1.3
30	53	1.0	26.8 +- 0.8; 4.0	19.2 +- 0.8; 4.8	18.9 +- 1.2
31	320	1.4	Missing Dosimeter	No Net Data	21.5 +- 1.6
32	320	3.5	25.3 +- 0.8; 3.8	17.9 +- 0.8; 4.6	18.4 +- 1.7
33	335	2.5	26.5 +- 0.8; 4.0	19.0 +- 0.8; 4.8	18.8 +- 1.5
34	340	5.2	21.8 +- 0.7; 3.3	14.6 +- 0.7; 4.3	16.3 +- 2.1
35	4	3.5	27.4 +- 0.8; 4.1	19.8 +- 0.8; 4.9	19.5 +- 1.2
36	23	3.2	28.8 +- 0.9; 4.3	21.1 +- 0.9; 5.0	21.5 +- 1.7
37	42	2.8	23.9 +- 0.7; 3.6	16.6 +- 0.8; 4.5	16.4 +- 1.2
38	27	1.6	23.5 +- 0.7; 3.5	16.2 +- 0.8; 4.5	17.0 +- 1.5
39	348	1.6	Missing Dosimeter	No Net Data	18.8 +- 1.5
40	340	15.8	23.1 +- 0.7; 3.5	15.8 +- 0.7; 4.4	16.2 +- 1.3
41	340	15.8	24.6 +- 0.7; 3.7	17.2 +- 0.8; 4.6	16.8 +- 1.0

Transit Dose = 5.9 +- 0.4; 3.3

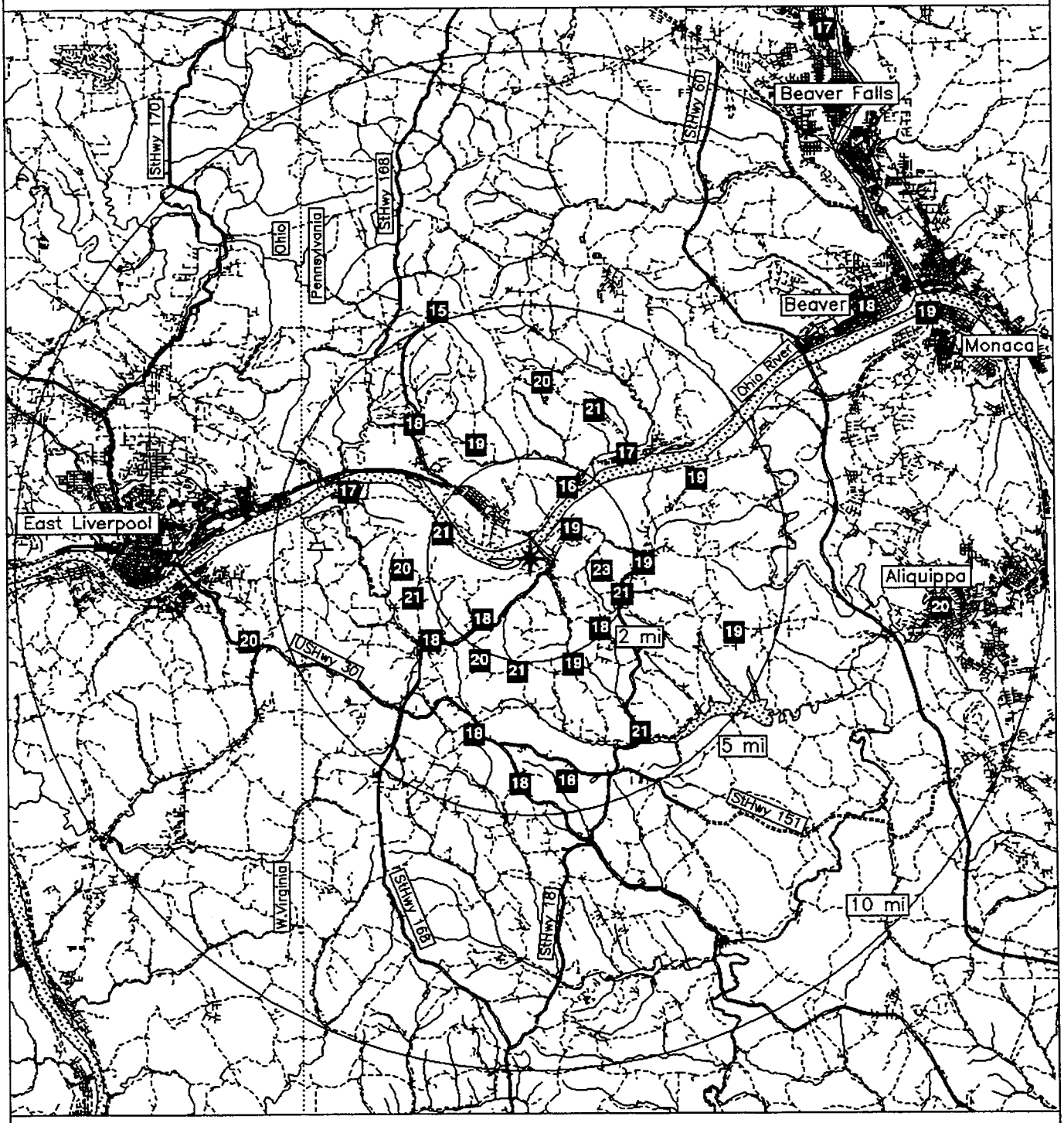
BEAVER VALLEY
For the period 970910-980126

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	18.7 +- 1.6	2
11.26 - 33.75 NNE	18.2 +- 2.6	3
33.76 - 56.25 NE	17.9 +- 1.3	3
56.26 - 78.75 ENE	18.8 +- 0.9	3
78.76 - 101.25 E	20.7 +- 1.8	3
101.26 - 123.75 ESE	19.7 +- 1.2	2
123.76 - 146.25 SE	18.1 +- 0.0	1
146.26 - 168.75 SSE	19.6 +- 1.3	2
168.76 - 191.25 S	18.9 +- 1.5	3
191.26 - 213.75 SSW	19.2 +- 1.5	2
213.76 - 236.25 SW	18.3 +- 0.1	2
236.26 - 258.75 WSW	20.5 +- 0.7	2
258.76 - 281.25 W	20.0 +- 0.0	1
281.26 - 303.75 WNW	19.1 +- 2.5	2
303.76 - 326.25 NW	17.9 +- 0.0	1
326.26 - 348.75 NNW	16.8 +- 3.1	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	19.2 +- 2.1	8
2 - 5	19.1 +- 1.3	19
> 5	18.1 +- 1.9	7
Upwind Control	16.5 +- 0.7	3

NRC TLD DOSES FOR BEAVER VALLEY AREA



BIG ROCK
TLD Direct Radiation Environmental Monitoring
For the period 970908-980209 155 Days
Field Time: 106 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	208	4.9	22.0 +- 0.7; 3.3	13.3 +- 0.7; 4.2	13.1 +- 0.9
2	220	3.6	21.3 +- 0.6; 3.2	12.7 +- 0.7; 4.1	12.1 +- 0.8
3	204	2.4	21.4 +- 0.6; 3.2	12.8 +- 0.7; 4.1	12.3 +- 0.9
4	176	3.3	21.8 +- 0.7; 3.3	13.2 +- 0.7; 4.1	12.2 +- 1.0
5	161	4.6	21.8 +- 0.7; 3.3	13.1 +- 0.7; 4.1	12.4 +- 0.9
6	133	4.7	24.1 +- 0.7; 3.6	15.1 +- 0.7; 4.3	13.8 +- 1.4
7	116	3.7	24.5 +- 0.7; 3.7	15.4 +- 0.7; 4.4	14.4 +- 1.3
8	111	4.7	24.6 +- 0.7; 3.7	15.5 +- 0.7; 4.4	14.0 +- 1.6
9	98	4.5	21.9 +- 0.7; 3.3	13.2 +- 0.7; 4.1	12.7 +- 0.8
10	88	12.0	21.4 +- 0.6; 3.2	12.8 +- 0.7; 4.1	12.1 +- 0.8
11	83	16.0	20.1 +- 0.6; 3.0	11.7 +- 0.6; 4.0	12.1 +- 1.4
12	83	16.0	20.3 +- 0.6; 3.0	11.8 +- 0.6; 4.0	12.0 +- 1.0
13	83	16.0	20.9 +- 0.6; 3.1	12.4 +- 0.7; 4.1	12.2 +- 1.1
14	77	3.4	20.8 +- 0.6; 3.1	12.3 +- 0.7; 4.1	11.6 +- 0.7
15	96	1.8	23.0 +- 0.7; 3.4	14.1 +- 0.7; 4.2	13.4 +- 0.9
16	118	2.0	22.9 +- 0.7; 3.4	14.1 +- 0.7; 4.2	13.1 +- 1.1
17	134	2.0	22.0 +- 0.7; 3.3	13.3 +- 0.7; 4.1	13.1 +- 1.1
18	222	1.9	20.3 +- 0.6; 3.0	11.9 +- 0.6; 4.0	11.9 +- 1.5
19	194	1.4	24.8 +- 0.7; 3.7	15.7 +- 0.7; 4.4	14.4 +- 1.3
20	179	1.5	22.7 +- 0.7; 3.4	13.9 +- 0.7; 4.2	12.7 +- 0.9
21	153	1.1	21.7 +- 0.7; 3.3	13.1 +- 0.7; 4.1	12.4 +- 1.0

Transit Dose = 6.3 +- 0.5; 3.6

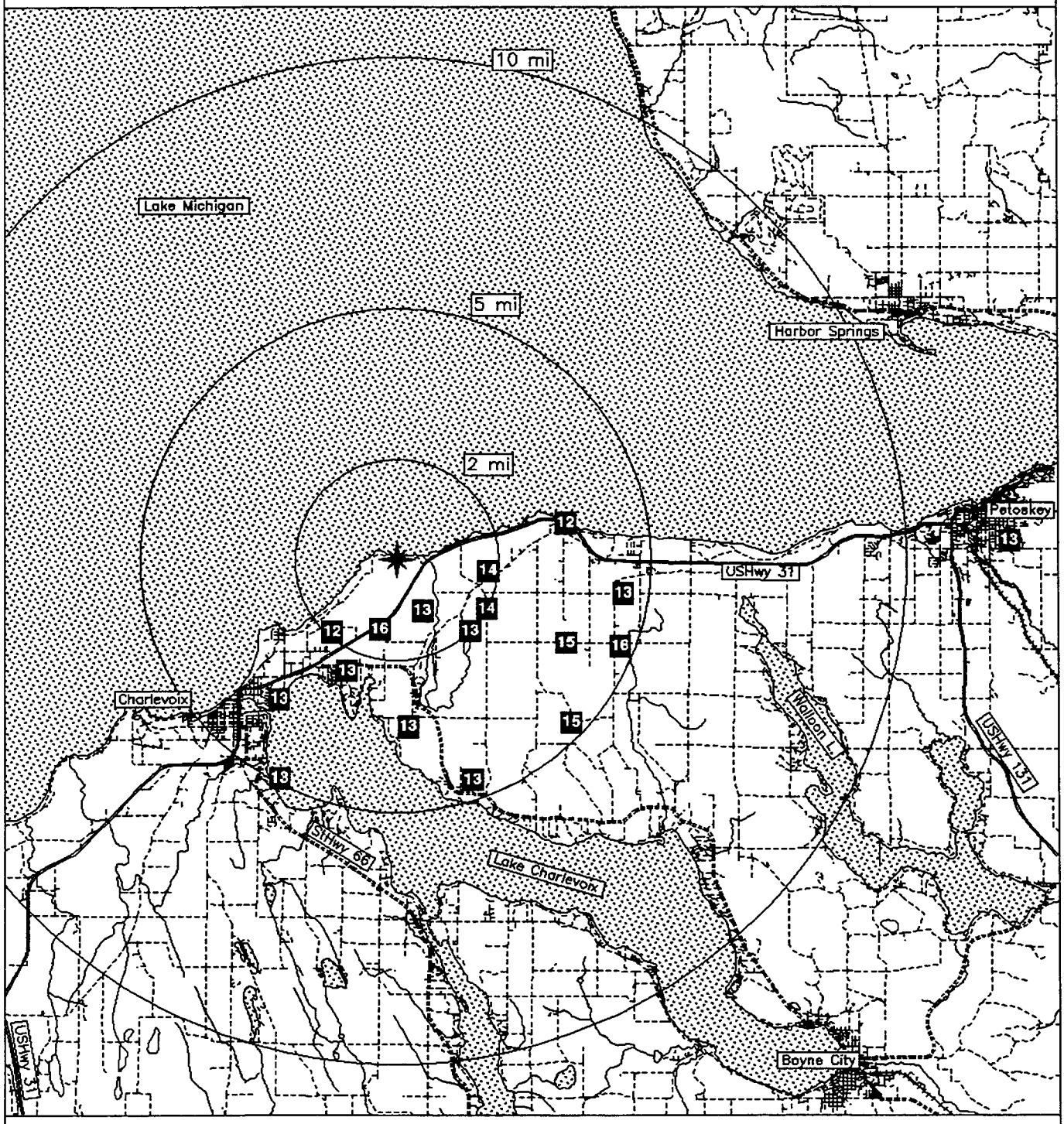
BIG ROCK
For the period 970908-980209

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	No Data +- No Data	0
11.26 - 33.75 NNE	No Data +- No Data	0
33.76 - 56.25 NE	No Data +- No Data	0
56.26 - 78.75 ENE	12.3 +- 0.0	1
78.76 - 101.25 E	13.4 +- 0.7	3
101.26 - 123.75 ESE	15.0 +- 0.8	3
123.76 - 146.25 SE	14.2 +- 1.3	2
146.26 - 168.75 SSE	13.1 +- 0.0	2
168.76 - 191.25 S	13.5 +- 0.5	2
191.26 - 213.75 SSW	13.9 +- 1.5	3
213.76 - 236.25 SW	12.3 +- 0.6	2
236.26 - 258.75 WSW	No Data +- No Data	0
258.76 - 281.25 W	No Data +- No Data	0
281.26 - 303.75 WNW	No Data +- No Data	0
303.76 - 326.25 NW	No Data +- No Data	0
326.26 - 348.75 NNW	No Data +- No Data	0

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	13.7 +- 1.2	7
2 - 5	13.7 +- 1.2	10
> 5	12.8 +- 0.0	1
Upwind Control	12.0 +- 0.4	3

NRC TLD DOSES FOR BIG ROCK POINT AREA



Miles

0 2 4

Legend

Water
Railroads
Plant..site
Highways
Roads

BRAIDWOOD
TLD Direct Radiation Environmental Monitoring
For the period 970909-980210 155 Days
Field Time: 100 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	28	0.8	21.9 +- 0.7; 3.3	11.6 +- 0.8; 4.5	13.7 +- 3.1
2	29	1.3	25.5 +- 0.8; 3.8	14.9 +- 0.8; 4.8	14.7 +- 1.7
3	53	2.0	22.5 +- 0.7; 3.4	12.1 +- 0.8; 4.5	12.2 +- 2.8
4	72	2.1	26.6 +- 0.8; 4.0	15.8 +- 0.9; 4.9	14.9 +- 1.6
5	87	2.0	24.9 +- 0.7; 3.7	14.3 +- 0.8; 4.7	14.4 +- 2.0
6	119	2.5	21.3 +- 0.6; 3.2	11.1 +- 0.7; 4.4	13.5 +- 3.0
7	133	3.3	25.4 +- 0.8; 3.8	14.8 +- 0.8; 4.8	14.7 +- 1.6
8	151	3.3	25.1 +- 0.8; 3.8	14.5 +- 0.8; 4.8	14.0 +- 1.5
9	172	3.9	28.3 +- 0.8; 4.2	17.4 +- 0.9; 5.1	17.8 +- 3.7
10	197	2.8	26.1 +- 0.8; 3.9	15.4 +- 0.8; 4.9	14.7 +- 1.8
11	212	1.4	22.1 +- 0.7; 3.3	11.8 +- 0.8; 4.5	13.7 +- 2.0
12	232	1.0	21.7 +- 0.6; 3.2	11.4 +- 0.7; 4.4	13.3 +- 2.0
13	255	1.0	26.5 +- 0.8; 4.0	15.7 +- 0.9; 4.9	13.8 +- 1.4
14	278	1.2	20.0 +- 0.6; 3.0	9.9 +- 0.7; 4.3	14.1 +- 2.3
15	310	1.3	20.1 +- 0.6; 3.0	9.9 +- 0.7; 4.3	13.9 +- 2.3
16	342	1.3	20.8 +- 0.6; 3.1	10.6 +- 0.7; 4.4	12.2 +- 2.6
17	8	1.5	26.0 +- 0.8; 3.9	15.3 +- 0.8; 4.8	14.3 +- 1.8
18	18	3.5	23.9 +- 0.7; 3.6	13.4 +- 0.8; 4.6	17.1 +- 3.1
19	42	6.3	22.1 +- 0.7; 3.3	11.8 +- 0.8; 4.5	13.1 +- 2.2
20	69	5.7	23.8 +- 0.7; 3.6	13.2 +- 0.8; 4.6	15.5 +- 2.3
21	86	7.0	23.8 +- 0.7; 3.6	13.3 +- 0.8; 4.6	16.3 +- 2.2
22	103	11.4	23.3 +- 0.7; 3.5	12.8 +- 0.8; 4.6	15.6 +- 3.2
23	45	4.9	21.7 +- 0.7; 3.3	11.4 +- 0.7; 4.4	14.9 +- 2.2
24	70	4.2	26.0 +- 0.8; 3.9	15.3 +- 0.8; 4.8	14.3 +- 1.9
25	86	4.1	21.2 +- 0.6; 3.2	10.9 +- 0.7; 4.4	12.2 +- 2.6
26	125	5.0	22.6 +- 0.7; 3.4	12.2 +- 0.8; 4.5	12.9 +- 3.0
27	142	7.2	21.9 +- 0.7; 3.3	11.6 +- 0.8; 4.5	16.1 +- 3.0
28	161	6.1	25.3 +- 0.8; 3.8	14.7 +- 0.8; 4.8	14.4 +- 1.8
29	180	5.9	28.7 +- 0.9; 4.3	17.7 +- 0.9; 5.1	18.7 +- 2.9
30	187	5.8	30.9 +- 0.9; 4.6	19.7 +- 1.0; 5.3	19.5 +- 2.1
31	225	5.4	28.3 +- 0.8; 4.2	17.4 +- 0.9; 5.1	17.1 +- 1.8
32	253	4.0	26.6 +- 0.8; 4.0	15.9 +- 0.9; 4.9	14.8 +- 1.9
33	289	4.1	23.0 +- 0.7; 3.4	12.6 +- 0.8; 4.6	16.1 +- 2.5
34	315	4.0	Damaged Dosimeter	No Net Data	15.9 +- 2.0
35	333	4.0	24.5 +- 0.7; 3.7	13.9 +- 0.8; 4.7	15.1 +- 2.6
36	0	5.5	25.2 +- 0.8; 3.8	14.5 +- 0.8; 4.8	14.4 +- 2.2
37	21	5.0	20.7 +- 0.6; 3.1	10.5 +- 0.7; 4.3	12.0 +- 2.9
38	224	14.7	20.5 +- 0.6; 3.1	10.3 +- 0.7; 4.3	13.9 +- 2.5
39	224	14.7	20.3 +- 0.6; 3.0	10.2 +- 0.7; 4.3	13.7 +- 1.9
40	187	10.3	27.4 +- 0.8; 4.1	16.5 +- 0.9; 5.0	18.0 +- 2.4

Transit Dose = 9.0 +- 0.5; 3.7

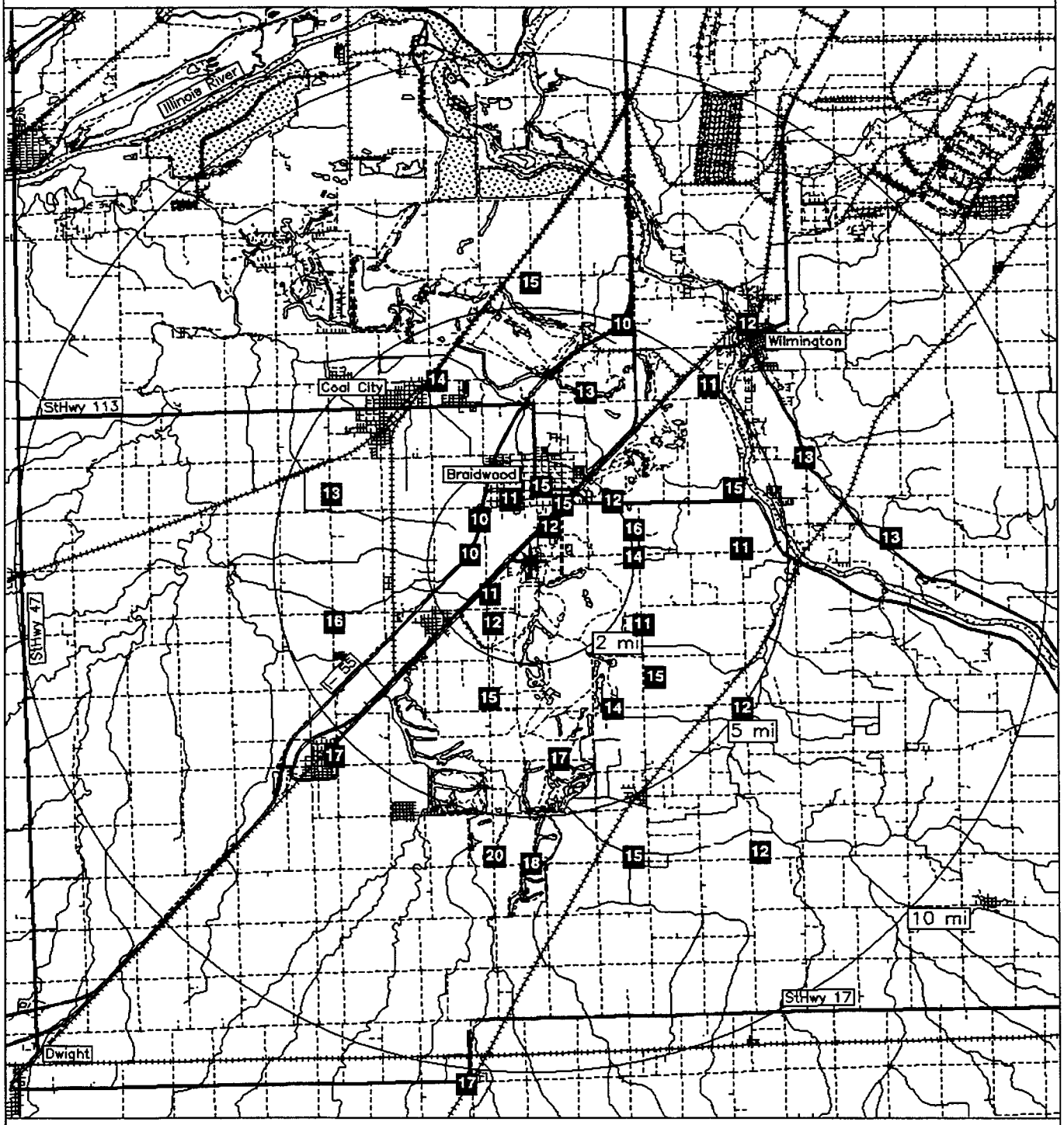
BRAIDWOOD
For the period 970909-980210

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	14.9 +- 0.5	2
11.26 - 33.75 NNE	12.6 +- 1.9	4
33.76 - 56.25 NE	11.8 +- 0.4	3
56.26 - 78.75 ENE	14.8 +- 1.4	3
78.76 - 101.25 E	12.8 +- 1.7	3
101.26 - 123.75 ESE	11.9 +- 1.2	2
123.76 - 146.25 SE	12.9 +- 1.7	3
146.26 - 168.75 SSE	14.6 +- 0.1	2
168.76 - 191.25 S	18.2 +- 1.3	3
191.26 - 213.75 SSW	13.6 +- 2.6	2
213.76 - 236.25 SW	13.0 +- 3.8	3
236.26 - 258.75 WSW	15.8 +- 0.1	2
258.76 - 281.25 W	9.9 +- 0.0	1
281.26 - 303.75 WNW	12.6 +- 0.0	1
303.76 - 326.25 NW	9.9 +- 0.0	1
326.26 - 348.75 NNW	12.2 +- 2.4	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	12.5 +- 2.2	11
2 - 5	13.7 +- 2.1	15
> 5	14.3 +- 2.9	11
Upwind Control	13.4 +- 4.5	2

NRC TLD DOSES FOR BRAIDWOOD AREA



BROWNS FERRY
TLD Direct Radiation Environmental Monitoring
For the period 970909-980126 140 Days
Field Time: 86 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)	Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	133 8.8	Missing Dosimeter	No Net Data	14.5 +- 1.9
2	135 5.4	18.5 +- 0.6; 2.8	16.0 +- 0.7; 4.1	15.7 +- 1.9
3	153 4.3	21.1 +- 0.6; 3.2	18.8 +- 0.7; 4.4	16.9 +- 1.1
4	212 5.9	23.6 +- 0.7; 3.5	21.5 +- 0.8; 4.7	18.1 +- 2.2
5	222 6.2	20.3 +- 0.6; 3.0	17.9 +- 0.7; 4.3	15.3 +- 1.9
6	247 4.5	22.2 +- 0.7; 3.3	19.9 +- 0.8; 4.5	18.6 +- 2.0
7	269 4.7	20.3 +- 0.6; 3.0	17.9 +- 0.7; 4.3	16.4 +- 2.0
8	257 11.1	20.4 +- 0.6; 3.1	18.0 +- 0.7; 4.3	15.9 +- 1.9
9	296 7.0	20.8 +- 0.6; 3.1	18.5 +- 0.7; 4.4	16.5 +- 2.2
10	292 4.5	21.4 +- 0.6; 3.2	19.1 +- 0.7; 4.4	16.7 +- 1.9
11	270 1.9	21.6 +- 0.6; 3.2	19.3 +- 0.7; 4.4	17.0 +- 1.9
12	241 2.7	20.1 +- 0.6; 3.0	17.8 +- 0.7; 4.3	15.8 +- 2.0
13	220 1.7	20.2 +- 0.6; 3.0	17.9 +- 0.7; 4.3	18.8 +- 2.5
14	268 17.0	20.9 +- 0.6; 3.1	18.5 +- 0.7; 4.4	17.2 +- 2.0
15	205 4.0	21.6 +- 0.6; 3.2	19.3 +- 0.8; 4.4	17.4 +- 2.0
16	183 2.8	19.5 +- 0.6; 2.9	17.1 +- 0.7; 4.2	15.4 +- 2.2
17	51 9.5	22.8 +- 0.7; 3.4	20.6 +- 0.8; 4.6	17.7 +- 1.9
18	51 3.4	22.2 +- 0.7; 3.3	19.9 +- 0.8; 4.5	16.2 +- 1.8
19	61 3.0	21.8 +- 0.7; 3.3	19.5 +- 0.8; 4.5	16.5 +- 2.0
20	84 2.7	23.1 +- 0.7; 3.5	20.9 +- 0.8; 4.6	18.9 +- 1.9
21	114 2.9	22.0 +- 0.7; 3.3	19.7 +- 0.8; 4.5	19.4 +- 1.9
22	58 0.9	24.2 +- 0.7; 3.6	22.0 +- 0.8; 4.8	20.2 +- 2.0
23	90 25.0	19.9 +- 0.6; 3.0	17.5 +- 0.7; 4.2	16.4 +- 2.2
24	110 0.6	22.6 +- 0.7; 3.4	20.4 +- 0.8; 4.6	18.2 +- 1.8
25	42 2.1	21.3 +- 0.6; 3.2	19.0 +- 0.7; 4.4	18.1 +- 2.2
26	23 1.7	24.4 +- 0.7; 3.7	22.2 +- 0.8; 4.8	20.2 +- 2.0
27	330 1.9	20.1 +- 0.6; 3.0	17.7 +- 0.7; 4.3	16.5 +- 1.8
28	330 1.0	21.6 +- 0.6; 3.2	19.3 +- 0.7; 4.4	18.5 +- 2.3
29	26 3.7	21.5 +- 0.6; 3.2	19.2 +- 0.7; 4.4	17.8 +- 2.0
30	358 4.0	20.4 +- 0.6; 3.1	18.1 +- 0.7; 4.3	15.6 +- 2.0
31	334 5.6	22.5 +- 0.7; 3.4	20.3 +- 0.8; 4.6	18.7 +- 1.9
32	312 12.0	21.3 +- 0.6; 3.2	19.0 +- 0.7; 4.4	18.0 +- 2.1
33	356 1.5	22.8 +- 0.7; 3.4	20.6 +- 0.8; 4.6	19.6 +- 2.0
34	52 6.5	20.7 +- 0.6; 3.1	18.3 +- 0.7; 4.3	16.5 +- 2.3
35	96 5.2	21.0 +- 0.6; 3.2	18.7 +- 0.7; 4.4	17.4 +- 2.0
36	68 5.5	21.6 +- 0.6; 3.2	19.4 +- 0.8; 4.5	18.3 +- 2.2
37	150 9.5	22.2 +- 0.7; 3.3	19.9 +- 0.8; 4.5	17.0 +- 2.0
38	166 7.0	17.7 +- 0.5; 2.7	15.3 +- 0.6; 4.0	14.2 +- 1.9

Transit Dose = 3.2 +- 0.3; 2.7

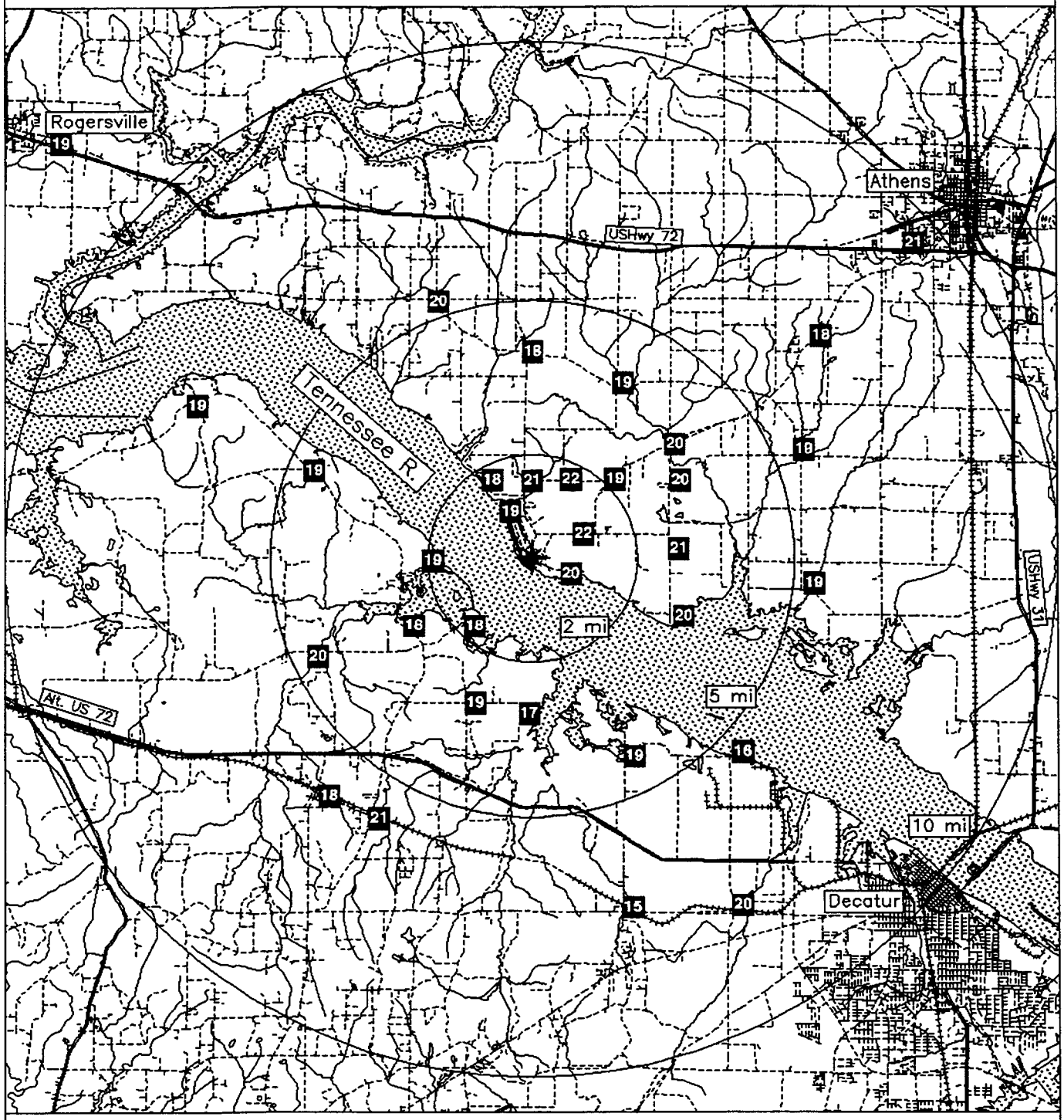
BROWNS FERRY
For the period 970909-980126

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	19.3 +- 1.8	2
11.26 - 33.75 NNE	20.7 +- 2.1	2
33.76 - 56.25 NE	19.5 +- 1.0	4
56.26 - 78.75 ENE	20.3 +- 1.5	3
78.76 - 101.25 E	19.0 +- 1.7	3
101.26 - 123.75 ESE	20.0 +- 0.4	2
123.76 - 146.25 SE	16.0 +- 0.0	1
146.26 - 168.75 SSE	18.0 +- 2.4	3
168.76 - 191.25 S	17.1 +- 0.0	1
191.26 - 213.75 SSW	20.4 +- 1.5	2
213.76 - 236.25 SW	17.9 +- 0.0	2
236.26 - 258.75 WSW	18.9 +- 1.5	2
258.76 - 281.25 W	18.6 +- 1.0	2
281.26 - 303.75 WNW	18.8 +- 0.4	2
303.76 - 326.25 NW	19.0 +- 0.0	1
326.26 - 348.75 NNW	19.1 +- 1.3	3

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	19.9 +- 1.7	8
2 - 5	19.0 +- 1.0	14
> 5	18.7 +- 1.7	13
Upwind Control	18.3 +- 0.4	2

NRC TLD DOSES FOR BROWNS FERRY AREA



Miles

0 2 4

Legend

Water
Railroads
Plant..site
Highways
Roads

BRUNSWICK
TLD Direct Radiation Environmental Monitoring
For the period 970909-980211 156 Days
Field Time: 98 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	260	2.2	16.8 +- 0.5; 2.5	8.9 +- 0.6; 3.9	10.1 +- 1.5
2	245	3.4	16.3 +- 0.5; 2.4	8.4 +- 0.6; 3.9	9.7 +- 1.6
3	231	3.8	15.1 +- 0.5; 2.3	7.4 +- 0.6; 3.8	9.2 +- 1.9
4	210	4.9	19.0 +- 0.6; 2.9	10.9 +- 0.7; 4.1	12.0 +- 1.7
5	186	4.3	18.9 +- 0.6; 2.8	10.9 +- 0.7; 4.1	12.0 +- 1.8
6	270	4.5	18.3 +- 0.5; 2.7	10.3 +- 0.7; 4.0	10.1 +- 1.3
7	272	4.4	16.7 +- 0.5; 2.5	8.8 +- 0.6; 3.9	10.5 +- 1.7
8	73	1.3	17.5 +- 0.5; 2.6	9.5 +- 0.6; 4.0	11.7 +- 1.8
9	97	1.0	16.7 +- 0.5; 2.5	8.8 +- 0.6; 3.9	11.6 +- 1.9
10	120	1.5	19.3 +- 0.6; 2.9	11.2 +- 0.7; 4.1	12.2 +- 1.5
11	131	0.9	17.2 +- 0.5; 2.6	9.3 +- 0.6; 4.0	11.4 +- 1.7
12	156	1.1	18.6 +- 0.6; 2.8	10.6 +- 0.7; 4.1	12.0 +- 1.7
13	180	1.1	18.4 +- 0.6; 2.8	10.4 +- 0.7; 4.1	11.2 +- 1.5
14	194	2.4	16.8 +- 0.5; 2.5	8.9 +- 0.6; 3.9	11.0 +- 1.9
15	201	2.0	17.1 +- 0.5; 2.6	9.2 +- 0.6; 4.0	10.4 +- 1.5
16	218	1.2	15.8 +- 0.5; 2.4	8.0 +- 0.6; 3.8	11.1 +- 2.4
17	252	1.1	18.1 +- 0.5; 2.7	10.2 +- 0.7; 4.0	11.5 +- 1.6
18	272	1.2	Missing Dosimeter	No Net Data	10.9 +- 2.0
19	19	1.1	17.5 +- 0.5; 2.6	9.5 +- 0.6; 4.0	10.5 +- 1.5
20	2	1.1	16.1 +- 0.5; 2.4	8.3 +- 0.6; 3.9	10.2 +- 1.7
21	288	1.3	18.2 +- 0.5; 2.7	10.2 +- 0.7; 4.0	9.9 +- 1.9
22	307	1.5	17.1 +- 0.5; 2.6	9.2 +- 0.6; 3.9	10.4 +- 1.4
23	338	2.1	17.6 +- 0.5; 2.6	9.6 +- 0.6; 4.0	11.1 +- 1.5
24	325	4.9	17.4 +- 0.5; 2.6	9.5 +- 0.6; 4.0	10.1 +- 1.5
25	338	3.8	17.4 +- 0.5; 2.6	9.5 +- 0.6; 4.0	11.2 +- 1.5
26	356	5.2	17.2 +- 0.5; 2.6	9.3 +- 0.6; 4.0	10.3 +- 1.6
27	30	6.4	15.7 +- 0.5; 2.4	7.9 +- 0.6; 3.8	10.4 +- 1.5
28	43	9.0	15.7 +- 0.5; 2.4	7.9 +- 0.6; 3.8	11.4 +- 2.2
29	50	8.5	17.6 +- 0.5; 2.6	9.7 +- 0.6; 4.0	10.9 +- 1.9
30	59	7.2	17.9 +- 0.5; 2.7	10.0 +- 0.6; 4.0	11.1 +- 1.8
31	65	6.5	19.1 +- 0.6; 2.9	11.1 +- 0.7; 4.1	11.1 +- 1.6
32	74	5.8	18.5 +- 0.6; 2.8	10.5 +- 0.7; 4.1	11.6 +- 2.0
33	88	4.1	16.2 +- 0.5; 2.4	8.4 +- 0.6; 3.9	10.3 +- 1.9
34	12	17.0	18.3 +- 0.5; 2.7	10.3 +- 0.7; 4.1	11.7 +- 1.6
35	16	18.0	17.2 +- 0.5; 2.6	9.3 +- 0.6; 4.0	10.4 +- 1.5
36	284	15.0	17.4 +- 0.5; 2.6	9.5 +- 0.6; 4.0	11.5 +- 2.2
37	284	16.0	16.4 +- 0.5; 2.5	8.6 +- 0.6; 3.9	11.7 +- 2.5
38	284	15.0	17.3 +- 0.5; 2.6	9.4 +- 0.6; 4.0	11.3 +- 1.8
39	287	4.6	18.1 +- 0.5; 2.7	10.1 +- 0.7; 4.0	10.7 +- 1.4
40	271	0.7	20.0 +- 0.6; 3.0	11.9 +- 0.7; 4.2	12.7 +- 1.6

Transit Dose = 7.1 +- 0.5; 3.5

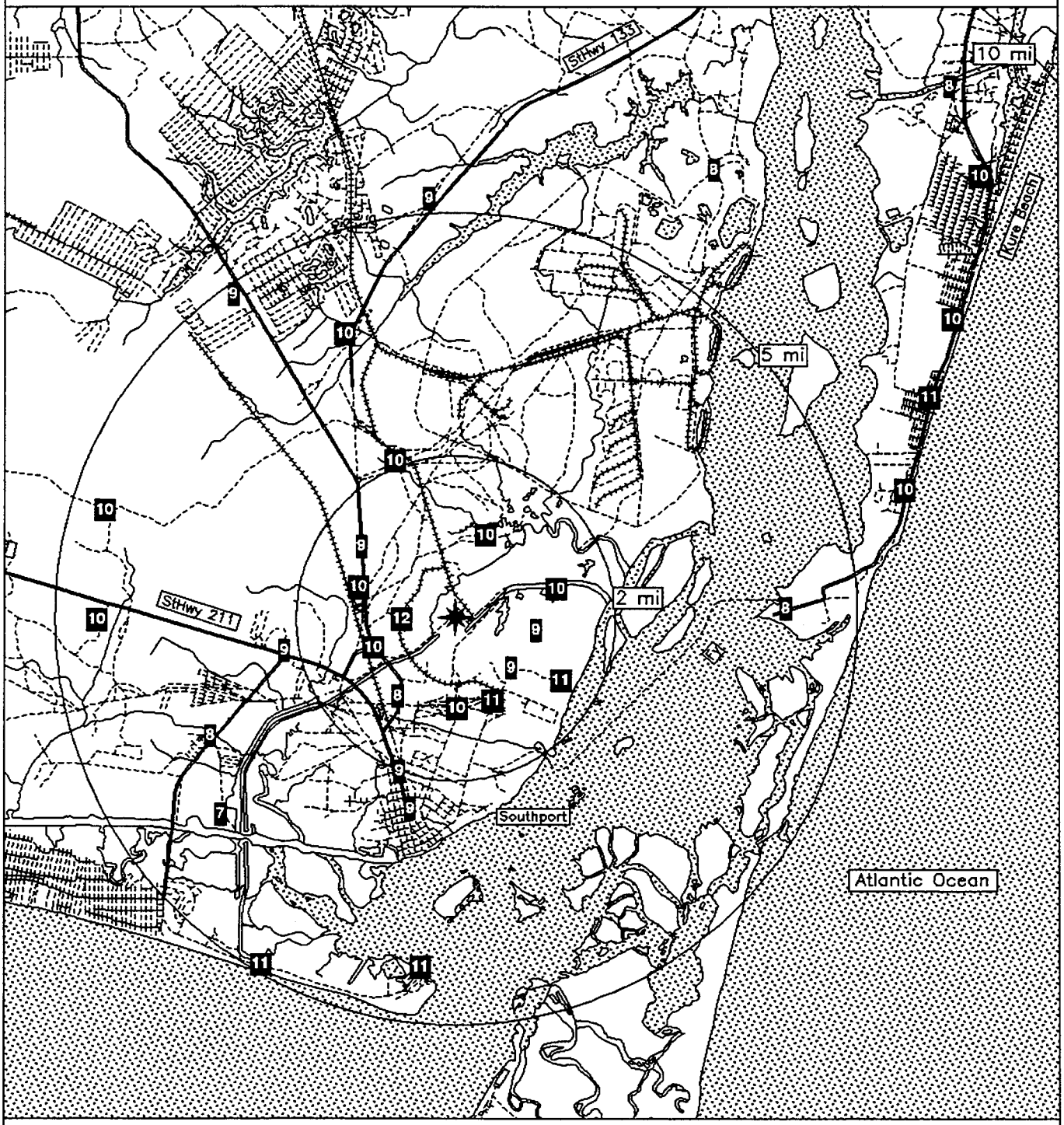
BRUNSWICK
For the period 970909-980211

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	8.8 +- 0.7	2
11.26 - 33.75 NNE	9.3 +- 1.0	4
33.76 - 56.25 NE	8.8 +- 1.2	2
56.26 - 78.75 ENE	10.3 +- 0.7	4
78.76 - 101.25 E	8.6 +- 0.3	2
101.26 - 123.75 ESE	11.2 +- 0.0	1
123.76 - 146.25 SE	9.3 +- 0.0	1
146.26 - 168.75 SSE	10.6 +- 0.0	1
168.76 - 191.25 S	10.6 +- 0.3	2
191.26 - 213.75 SSW	9.7 +- 1.1	3
213.76 - 236.25 SW	7.7 +- 0.4	2
236.26 - 258.75 WSW	9.3 +- 1.2	2
258.76 - 281.25 W	10.0 +- 1.4	4
281.26 - 303.75 WNW	10.2 +- 0.1	2
303.76 - 326.25 NW	9.3 +- 0.2	2
326.26 - 348.75 NNW	9.6 +- 0.1	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	9.7 +- 1.1	14
2 - 5	9.3 +- 1.0	13
> 5	9.6 +- 1.1	9
Upwind Control	9.2 +- 0.5	3

NRC TLD DOSES FOR BRUNSWICK AREA



BYRON
TLD Direct Radiation Environmental Monitoring
For the period 970909-980210 155 Days
Field Time: 113 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	10	1.1	28.1 +- 0.8; 4.2	20.7 +- 0.7; 4.3	19.0 +- 1.9
2	27	1.0	26.4 +- 0.8; 4.0	19.4 +- 0.7; 4.2	18.6 +- 1.7
3	53	1.6	24.9 +- 0.7; 3.7	18.2 +- 0.7; 4.1	17.5 +- 1.6
4	68	1.6	24.1 +- 0.7; 3.6	17.6 +- 0.6; 4.0	20.0 +- 2.1
5	97	1.4	29.7 +- 0.9; 4.5	22.0 +- 0.8; 4.5	20.9 +- 2.0
6	120	1.3	29.3 +- 0.9; 4.4	21.7 +- 0.8; 4.4	19.2 +- 1.6
7	146	1.4	Missing Dosimeter	No Net Data	19.9 +- 2.2
8	175	2.2	26.8 +- 0.8; 4.0	19.7 +- 0.7; 4.2	18.6 +- 1.5
9	177	0.6	23.7 +- 0.7; 3.6	17.3 +- 0.6; 3.9	16.2 +- 1.5
10	183	0.5	23.9 +- 0.7; 3.6	17.4 +- 0.6; 4.0	18.7 +- 2.2
11	193	0.6	27.2 +- 0.8; 4.1	20.1 +- 0.7; 4.3	17.8 +- 2.1
12	220	0.9	26.2 +- 0.8; 3.9	19.2 +- 0.7; 4.2	18.4 +- 1.4
13	239	0.8	25.5 +- 0.8; 3.8	18.7 +- 0.7; 4.1	17.6 +- 1.4
14	262	0.7	28.0 +- 0.8; 4.2	20.7 +- 0.7; 4.3	19.2 +- 1.8
15	283	0.8	26.9 +- 0.8; 4.0	19.8 +- 0.7; 4.2	18.2 +- 2.0
16	303	1.0	24.5 +- 0.7; 3.7	17.9 +- 0.6; 4.0	17.0 +- 1.4
17	326	1.6	21.6 +- 0.6; 3.2	15.6 +- 0.6; 3.8	16.3 +- 1.8
18	23	4.0	22.9 +- 0.7; 3.4	16.6 +- 0.6; 3.9	15.7 +- 1.3
19	17	4.1	24.8 +- 0.7; 3.7	18.1 +- 0.7; 4.0	14.6 +- 1.5
20	5	4.3	24.2 +- 0.7; 3.6	17.6 +- 0.6; 4.0	17.3 +- 1.3
21	340	4.2	24.3 +- 0.7; 3.6	17.7 +- 0.6; 4.0	18.3 +- 2.0
22	322	4.9	23.6 +- 0.7; 3.5	17.2 +- 0.6; 3.9	18.9 +- 2.4
23	298	6.9	23.8 +- 0.7; 3.6	17.3 +- 0.6; 3.9	16.0 +- 1.2
24	262	4.8	22.3 +- 0.7; 3.3	16.1 +- 0.6; 3.8	15.7 +- 1.3
25	244	4.6	24.6 +- 0.7; 3.7	18.0 +- 0.6; 4.0	16.0 +- 1.3
26	224	4.8	20.7 +- 0.6; 3.1	14.9 +- 0.6; 3.7	16.1 +- 1.7
27	208	5.2	20.1 +- 0.6; 3.0	14.4 +- 0.6; 3.6	14.8 +- 1.2
28	209	14.0	Damaged Dosimeter	No Net Data	14.5 +- 1.1
29	215	13.0	25.3 +- 0.8; 3.8	18.5 +- 0.7; 4.1	17.5 +- 1.4
30	215	13.0	26.4 +- 0.8; 4.0	19.4 +- 0.7; 4.2	18.3 +- 1.5
31	204	4.6	20.6 +- 0.6; 3.1	14.8 +- 0.6; 3.7	13.6 +- 1.2
32	178	4.4	22.5 +- 0.7; 3.4	16.3 +- 0.6; 3.8	15.9 +- 1.2
33	155	3.9	25.8 +- 0.8; 3.9	18.9 +- 0.7; 4.1	17.6 +- 1.5
34	138	4.6	26.4 +- 0.8; 4.0	19.4 +- 0.7; 4.2	17.8 +- 1.5
35	118	4.4	25.8 +- 0.8; 3.9	18.9 +- 0.7; 4.1	18.6 +- 1.9
36	81	3.8	24.5 +- 0.7; 3.7	17.9 +- 0.6; 4.0	17.1 +- 1.6
37	70	5.5	24.7 +- 0.7; 3.7	18.0 +- 0.6; 4.0	16.5 +- 2.0
38	45	4.0	21.2 +- 0.6; 3.2	15.3 +- 0.6; 3.7	15.1 +- 1.4
39	40	6.8	27.2 +- 0.8; 4.1	20.0 +- 0.7; 4.3	18.2 +- 1.2
40	45	15.0	Missing Dosimeter	No Net Data	14.5 +- 1.2
41	220	3.0	30.6 +- 0.9; 4.6	22.8 +- 0.8; 4.6	19.6 +- 2.1

Transit Dose = 2.0 +- 0.3; 3.4

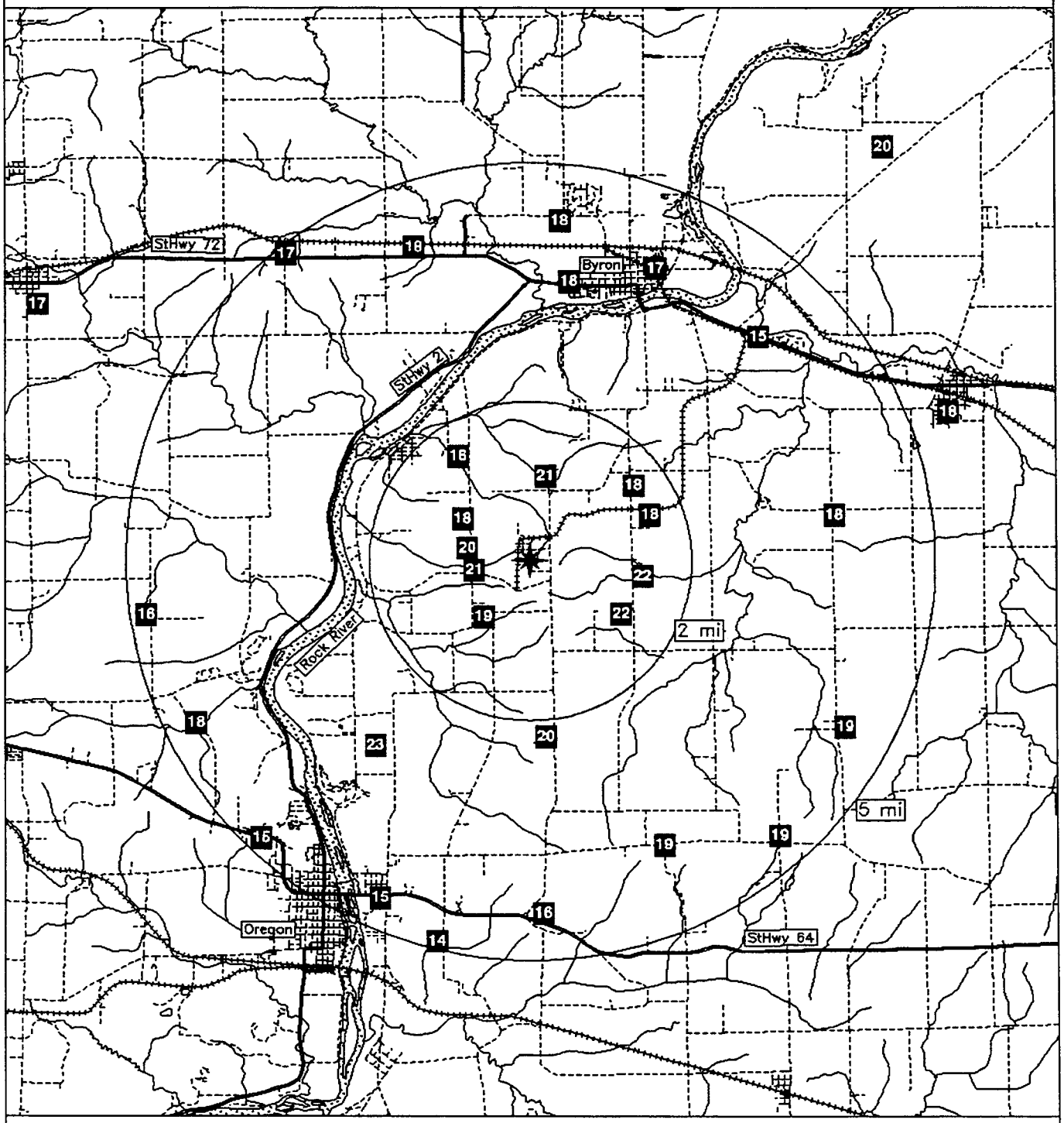
BYRON
For the period 970909-980210

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	19.2 +- 2.2	2
11.26 - 33.75 NNE	18.1 +- 1.4	3
33.76 - 56.25 NE	17.8 +- 2.4	3
56.26 - 78.75 ENE	17.8 +- 0.3	2
78.76 - 101.25 E	20.0 +- 2.9	2
101.26 - 123.75 ESE	20.3 +- 2.0	2
123.76 - 146.25 SE	19.4 +- 0.0	1
146.26 - 168.75 SSE	18.9 +- 0.0	1
168.76 - 191.25 S	17.7 +- 1.4	4
191.26 - 213.75 SSW	16.4 +- 3.2	3
213.76 - 236.25 SW	19.0 +- 4.0	3
236.26 - 258.75 WSW	18.3 +- 0.5	2
258.76 - 281.25 W	18.4 +- 3.2	2
281.26 - 303.75 WNW	18.3 +- 1.3	3
303.76 - 326.25 NW	16.4 +- 1.1	2
326.26 - 348.75 NNW	17.7 +- 0.0	1

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	19.1 +- 1.8	15
2 - 5	17.7 +- 2.0	17
> 5	17.4 +- 2.3	4
Upwind Control	18.9 +- 0.6	2

NRC TLD DOSES FOR BYRON AREA



CALLAWAY
TLD Direct Radiation Environmental Monitoring
For the period 970909-980310 183 Days
Field Time: 134 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	247	2.1	37.1 +- 1.1; 5.6	21.8 +- 0.8; 4.7	20.9 +- 2.4
2	259	1.4	34.3 +- 1.0; 5.1	20.0 +- 0.8; 4.5	19.7 +- 1.7
3	282	1.3	32.0 +- 1.0; 4.8	18.4 +- 0.7; 4.3	19.5 +- 1.6
4	304	1.3	34.9 +- 1.0; 5.2	20.3 +- 0.8; 4.5	20.3 +- 2.4
5	330	1.7	29.1 +- 0.9; 4.4	16.4 +- 0.7; 4.1	17.9 +- 1.9
6	1	1.7	28.8 +- 0.9; 4.3	16.3 +- 0.7; 4.1	17.1 +- 0.8
7	23	2.0	28.8 +- 0.9; 4.3	16.3 +- 0.7; 4.1	17.0 +- 0.9
8	77	0.7	31.2 +- 0.9; 4.7	17.9 +- 0.7; 4.3	17.8 +- 0.7
9	85	1.4	31.8 +- 1.0; 4.8	18.3 +- 0.7; 4.3	18.8 +- 1.0
10	98	1.5	26.8 +- 0.8; 4.0	14.9 +- 0.6; 3.9	17.3 +- 1.0
11	121	2.0	33.8 +- 1.0; 5.1	19.6 +- 0.8; 4.4	18.7 +- 2.5
12	140	2.0	27.2 +- 0.8; 4.1	15.2 +- 0.6; 4.0	18.5 +- 1.8
13	158	2.5	28.5 +- 0.9; 4.3	16.1 +- 0.7; 4.0	17.7 +- 1.0
14	183	3.7	27.1 +- 0.8; 4.1	15.1 +- 0.6; 4.0	18.4 +- 2.0
15	188	1.7	30.6 +- 0.9; 4.6	17.5 +- 0.7; 4.2	18.7 +- 1.2
16	202	0.7	29.1 +- 0.9; 4.4	16.4 +- 0.7; 4.1	17.5 +- 1.1
17	237	0.7	32.8 +- 1.0; 4.9	18.9 +- 0.7; 4.4	19.3 +- 1.5
18	312	11.0	34.7 +- 1.0; 5.2	20.3 +- 0.8; 4.5	18.0 +- 1.8
19	292	10.0	30.1 +- 0.9; 4.5	17.1 +- 0.7; 4.2	17.6 +- 1.0
20	268	9.0	29.1 +- 0.9; 4.4	16.4 +- 0.7; 4.1	17.9 +- 1.0
21	247	8.0	37.4 +- 1.1; 5.6	22.0 +- 0.8; 4.7	20.2 +- 2.0
22	225	8.0	30.6 +- 0.9; 4.6	17.5 +- 0.7; 4.2	17.7 +- 0.9
23	220	8.0	28.5 +- 0.9; 4.3	16.1 +- 0.7; 4.1	19.0 +- 2.0
24	205	5.5	26.6 +- 0.8; 4.0	14.8 +- 0.6; 3.9	16.3 +- 2.1
25	157	4.0	37.6 +- 1.1; 5.6	22.2 +- 0.8; 4.7	20.5 +- 2.2
26	134	5.0	24.7 +- 0.7; 3.7	13.5 +- 0.6; 3.8	16.1 +- 1.1
27	115	4.2	37.3 +- 1.1; 5.6	22.0 +- 0.8; 4.7	21.0 +- 2.1
28	95	3.5	31.6 +- 0.9; 4.7	18.1 +- 0.7; 4.3	20.7 +- 2.0
29	67	3.4	30.8 +- 0.9; 4.6	17.6 +- 0.7; 4.2	19.5 +- 1.0
30	48	4.5	27.0 +- 0.8; 4.1	15.1 +- 0.6; 3.9	16.7 +- 0.8
31	14	6.5	32.3 +- 1.0; 4.8	18.6 +- 0.7; 4.3	18.8 +- 0.9
32	2	5.1	31.2 +- 0.9; 4.7	17.9 +- 0.7; 4.2	18.7 +- 1.0
33	335	3.6	26.5 +- 0.8; 4.0	14.8 +- 0.6; 3.9	16.2 +- 1.1
34	288	4.3	33.2 +- 1.0; 5.0	19.2 +- 0.7; 4.4	18.8 +- 0.9
35	310	5.2	30.5 +- 0.9; 4.6	17.4 +- 0.7; 4.2	18.9 +- 0.9
36	264	3.2	Missing Dosimeter	No Net Data	14.3 +- 1.3
37	237	3.0	35.6 +- 1.1; 5.3	20.8 +- 0.8; 4.6	20.0 +- 1.4
38	270	15.0	32.7 +- 1.0; 4.9	18.9 +- 0.7; 4.4	16.9 +- 1.7
39	270	15.0	33.9 +- 1.0; 5.1	19.7 +- 0.8; 4.5	17.3 +- 2.7
40	203	20.0	30.1 +- 0.9; 4.5	17.1 +- 0.7; 4.2	18.5 +- 0.8

Transit Dose = 4.6 +- 0.5; 4.3

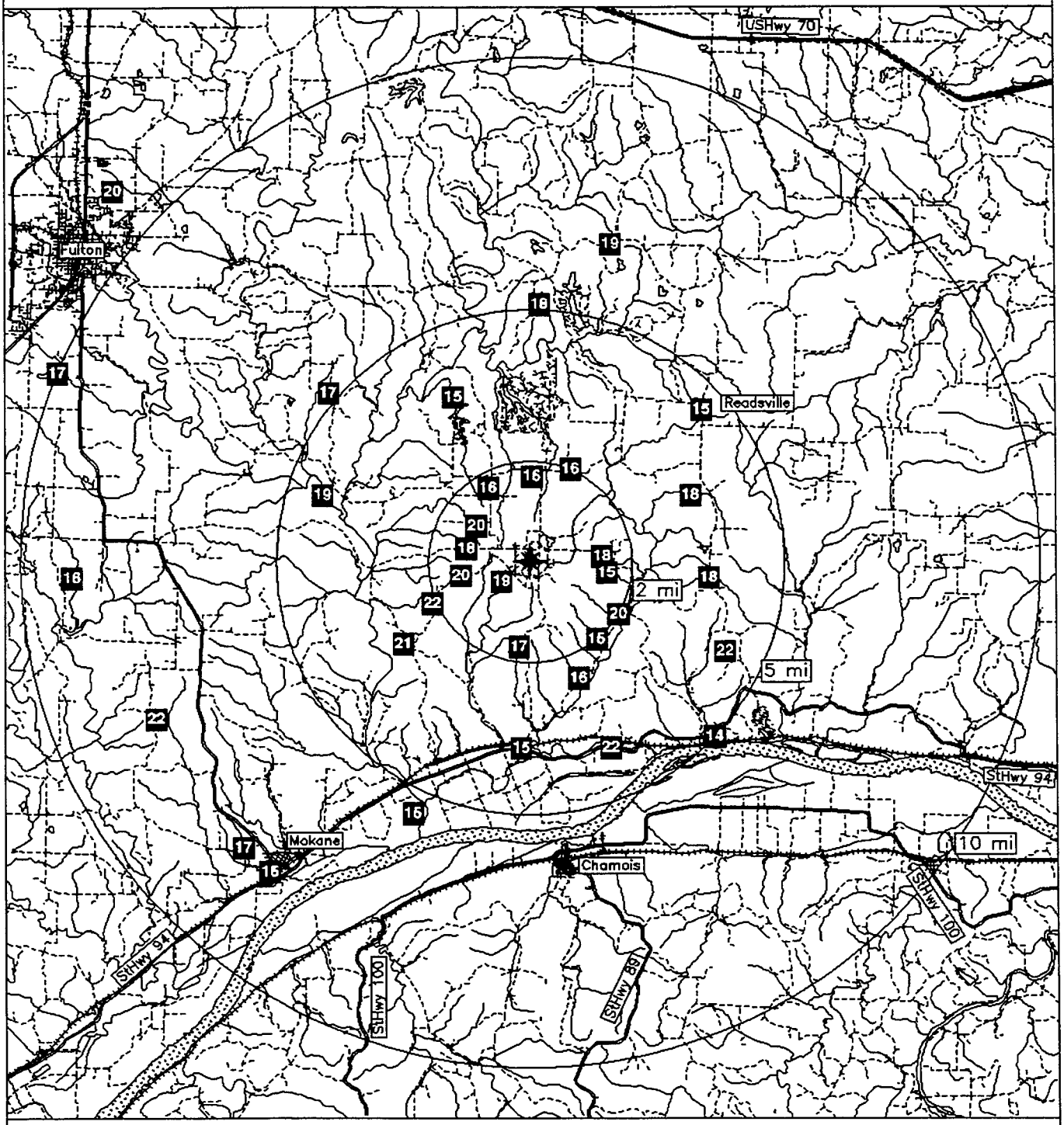
CALLAWAY
For the period 970909-980310

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	17.1 +- 1.1	2
11.26 - 33.75 NNE	17.5 +- 1.6	2
33.76 - 56.25 NE	15.1 +- 0.0	1
56.26 - 78.75 ENE	17.7 +- 0.2	2
78.76 - 101.25 E	17.1 +- 1.9	3
101.26 - 123.75 ESE	20.8 +- 1.7	2
123.76 - 146.25 SE	14.4 +- 1.2	2
146.26 - 168.75 SSE	19.1 +- 4.3	2
168.76 - 191.25 S	16.3 +- 1.7	2
191.26 - 213.75 SSW	15.6 +- 1.2	2
213.76 - 236.25 SW	16.8 +- 1.0	2
236.26 - 258.75 WSW	20.9 +- 1.4	4
258.76 - 281.25 W	18.2 +- 2.5	2
281.26 - 303.75 WNW	18.3 +- 1.0	3
303.76 - 326.25 NW	19.3 +- 1.7	3
326.26 - 348.75 NNW	15.6 +- 1.2	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	17.6 +- 1.7	14
2 - 5	18.0 +- 3.1	12
> 5	17.8 +- 2.1	10
Upwind Control	18.6 +- 1.3	3

NRC TLD DOSES FOR CALLAWAY AREA



CALVERT CLIFFS
TLD Direct Radiation Environmental Monitoring
For the period 970911-980126 138 Days
Field Time: 99 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	275	1.5	Damaged Dosimeter	No Net Data	13.6 +- 1.9
3	284	1.7	18.6 +- 0.6; 2.8	15.6 +- 0.6; 3.7	13.6 +- 1.8
4	323	2.4	17.1 +- 0.5; 2.6	14.3 +- 0.5; 3.6	13.6 +- 1.2
5	297	3.1	20.2 +- 0.6; 3.0	17.1 +- 0.6; 3.9	14.2 +- 1.8
6	324	4.7	19.8 +- 0.6; 3.0	16.8 +- 0.6; 3.8	14.3 +- 1.9
7	324	5.5	20.7 +- 0.6; 3.1	17.5 +- 0.6; 3.9	13.1 +- 1.5
8	256	6.1	18.0 +- 0.5; 2.7	15.0 +- 0.6; 3.7	12.6 +- 2.0
9	273	4.1	17.1 +- 0.5; 2.6	14.3 +- 0.5; 3.6	13.2 +- 1.4
10	253	3.7	20.7 +- 0.6; 3.1	17.5 +- 0.6; 3.9	14.9 +- 1.6
11	230	4.0	18.8 +- 0.6; 2.8	15.8 +- 0.6; 3.7	14.8 +- 1.2
12	243	1.3	17.9 +- 0.5; 2.7	14.9 +- 0.6; 3.6	14.4 +- 1.2
13	222	1.5	22.0 +- 0.7; 3.3	18.7 +- 0.7; 4.0	15.4 +- 1.9
14	208	1.8	15.8 +- 0.5; 2.4	13.1 +- 0.5; 3.5	12.3 +- 1.3
15	176	2.4	22.5 +- 0.7; 3.4	19.1 +- 0.7; 4.1	17.0 +- 1.9
16	160	1.5	19.3 +- 0.6; 2.9	16.3 +- 0.6; 3.8	16.1 +- 1.4
19	159	3.8	Missing Dosimeter	No Net Data	14.3 +- 1.3
20	139	4.7	19.3 +- 0.6; 2.9	16.3 +- 0.6; 3.8	12.9 +- 1.8
21	201	4.0	18.3 +- 0.5; 2.7	15.3 +- 0.6; 3.7	13.8 +- 1.2
22	187	4.7	17.5 +- 0.5; 2.6	14.6 +- 0.5; 3.6	13.2 +- 0.9
23	201	8.7	19.1 +- 0.6; 2.9	16.1 +- 0.6; 3.8	14.3 +- 1.3
24	190	7.8	15.6 +- 0.5; 2.3	12.9 +- 0.5; 3.5	12.4 +- 1.1
25	325	6.7	18.0 +- 0.5; 2.7	15.0 +- 0.6; 3.7	13.6 +- 1.2
26	314	11.0	17.0 +- 0.5; 2.5	14.2 +- 0.5; 3.6	13.0 +- 1.2
27	314	11.0	17.0 +- 0.5; 2.5	14.1 +- 0.5; 3.6	13.0 +- 1.1
28	315	10.0	21.0 +- 0.6; 3.1	17.8 +- 0.6; 3.9	15.2 +- 1.6
29	186	12.0	23.0 +- 0.7; 3.4	19.6 +- 0.7; 4.1	15.9 +- 1.5

Transit Dose = 1.4 +- 0.3; 3.0

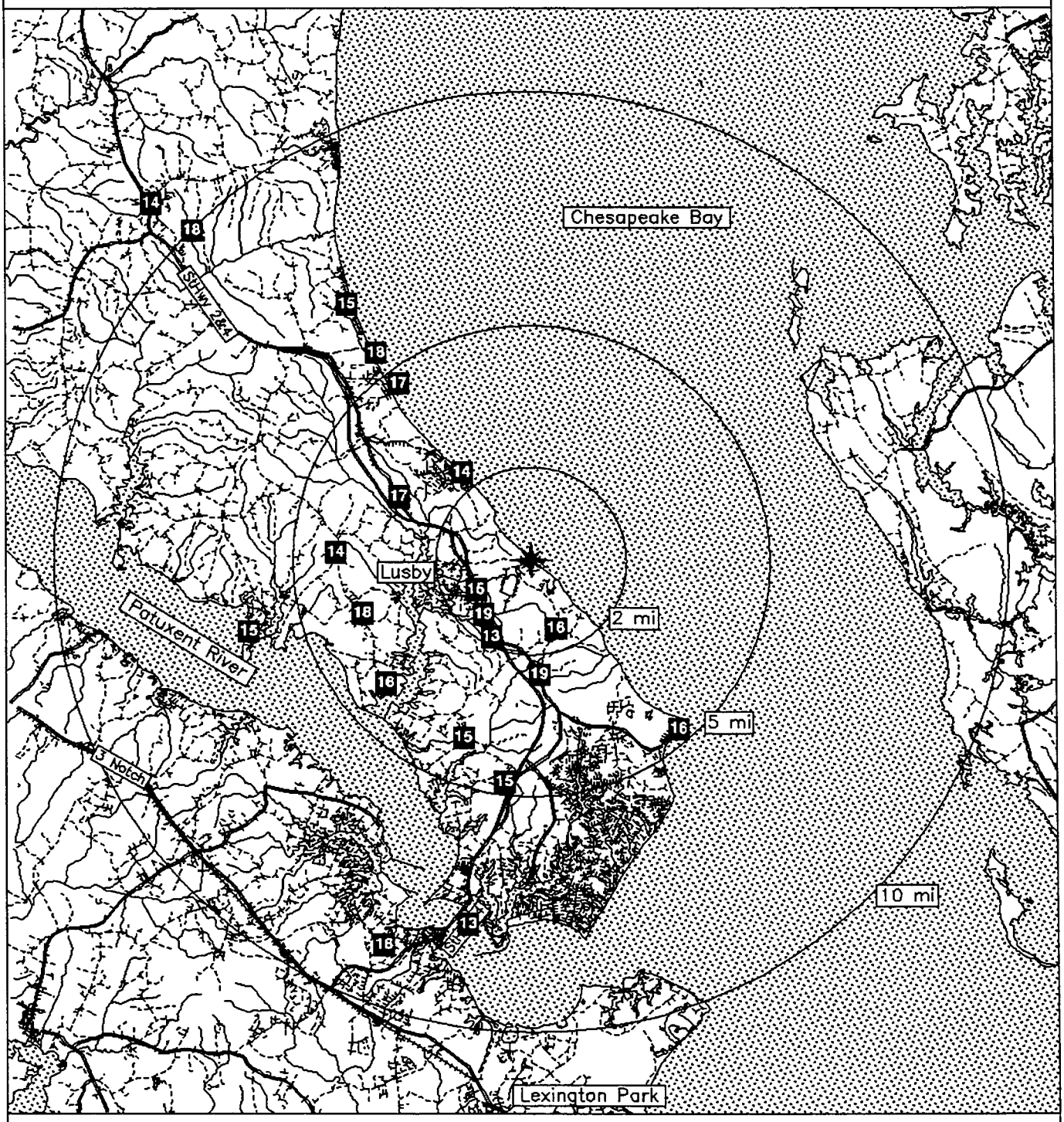
CALVERT CLIFFS
For the period 970911-980126

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	No Data +- No Data	0
11.26 - 33.75 NNE	No Data +- No Data	0
33.76 - 56.25 NE	No Data +- No Data	0
56.26 - 78.75 ENE	No Data +- No Data	0
78.76 - 101.25 E	No Data +- No Data	0
101.26 - 123.75 ESE	No Data +- No Data	0
123.76 - 146.25 SE	16.3 +- 0.0	1
146.26 - 168.75 SSE	16.3 +- 0.0	1
168.76 - 191.25 S	16.6 +- 3.3	4
191.26 - 213.75 SSW	14.8 +- 1.5	3
213.76 - 236.25 SW	17.3 +- 2.0	2
236.26 - 258.75 WSW	15.8 +- 1.5	3
258.76 - 281.25 W	14.3 +- 0.0	1
281.26 - 303.75 WNW	16.4 +- 1.0	2
303.76 - 326.25 NW	15.9 +- 1.5	4
326.26 - 348.75 NNW	No Data +- No Data	0

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	15.7 +- 2.0	5
2 - 5	16.1 +- 1.6	10
> 5	16.0 +- 2.3	6
Upwind Control	15.4 +- 2.1	3

NRC TLD DOSES FOR CALVERT CLIFFS AREA



Miles

0 2 4

Legend

Water — Railroads — Plant..site

Highways --- Roads

CATAWBA
TLD Direct Radiation Environmental Monitoring
For the period 970910-980211 155 Days
Field Time: 106 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	134	0.1	29.3 +- 0.9; 4.4	18.3 +- 0.9; 4.9	19.3 +- 1.8
2	162	0.4	25.5 +- 0.8; 3.8	15.0 +- 0.8; 4.5	15.9 +- 2.1
3	132	0.8	28.9 +- 0.9; 4.3	17.9 +- 0.8; 4.9	18.6 +- 1.8
4	111	1.3	28.5 +- 0.9; 4.3	17.5 +- 0.8; 4.8	16.2 +- 1.6
5	45	0.7	23.8 +- 0.7; 3.6	13.6 +- 0.7; 4.4	15.8 +- 1.7
6	298	1.3	27.0 +- 0.8; 4.0	16.3 +- 0.8; 4.7	17.7 +- 1.8
7	4	0.6	25.3 +- 0.8; 3.8	14.8 +- 0.8; 4.5	15.4 +- 2.0
8	332	1.5	28.9 +- 0.9; 4.3	17.9 +- 0.8; 4.9	19.1 +- 2.0
9	318	1.6	21.0 +- 0.6; 3.1	11.2 +- 0.7; 4.2	12.6 +- 2.2
10	176	1.8	25.5 +- 0.8; 3.8	15.0 +- 0.8; 4.5	16.5 +- 2.3
11	203	1.5	26.0 +- 0.8; 3.9	15.4 +- 0.8; 4.6	16.6 +- 1.8
12	225	1.5	25.0 +- 0.8; 3.8	14.6 +- 0.8; 4.5	16.7 +- 2.6
13	250	1.9	22.3 +- 0.7; 3.3	12.3 +- 0.7; 4.3	14.6 +- 2.2
14	270	1.4	20.1 +- 0.6; 3.0	10.4 +- 0.7; 4.1	12.5 +- 2.0
15	331	3.0	21.6 +- 0.6; 3.2	11.7 +- 0.7; 4.2	14.3 +- 1.9
16	311	3.9	23.2 +- 0.7; 3.5	13.1 +- 0.7; 4.3	13.4 +- 2.0
17	296	9.5	27.8 +- 0.8; 4.2	17.0 +- 0.8; 4.8	18.0 +- 2.1
18	324	4.8	Missing Dosimeter	No Net Data	15.1 +- 2.6
19	352	4.8	21.2 +- 0.6; 3.2	11.4 +- 0.7; 4.2	13.2 +- 2.0
20	22	4.0	25.4 +- 0.8; 3.8	14.9 +- 0.8; 4.5	16.8 +- 2.0
21	290	3.9	25.2 +- 0.8; 3.8	14.8 +- 0.8; 4.5	15.1 +- 1.6
22	266	4.0	24.9 +- 0.7; 3.7	14.5 +- 0.8; 4.5	16.1 +- 2.1
23	251	4.0	21.7 +- 0.7; 3.3	11.8 +- 0.7; 4.2	11.7 +- 2.1
24	229	3.9	Missing Dosimeter	No Net Data	12.4 +- 1.9
25	202	4.4	26.4 +- 0.8; 4.0	15.8 +- 0.8; 4.6	17.2 +- 1.4
26	51	4.3	27.5 +- 0.8; 4.1	16.8 +- 0.8; 4.7	18.3 +- 1.4
27	64	7.9	22.1 +- 0.7; 3.3	12.1 +- 0.7; 4.2	12.2 +- 1.7
28	61	4.9	27.0 +- 0.8; 4.0	16.3 +- 0.8; 4.7	15.6 +- 1.9
29	49	1.9	22.7 +- 0.7; 3.4	12.6 +- 0.7; 4.3	14.7 +- 2.7
30	64	1.8	23.7 +- 0.7; 3.6	13.5 +- 0.7; 4.4	14.9 +- 1.6
31	87	1.6	22.9 +- 0.7; 3.4	12.8 +- 0.7; 4.3	14.5 +- 1.8
32	121	2.6	26.7 +- 0.8; 4.0	16.1 +- 0.8; 4.7	15.5 +- 1.6
33	114	7.6	20.8 +- 0.6; 3.1	11.1 +- 0.7; 4.1	14.2 +- 2.3
34	93	4.5	27.5 +- 0.8; 4.1	16.7 +- 0.8; 4.7	17.4 +- 2.2
35	132	4.3	30.7 +- 0.9; 4.6	19.4 +- 0.9; 5.0	20.6 +- 1.5
36	163	8.9	23.2 +- 0.7; 3.5	13.1 +- 0.7; 4.3	12.6 +- 1.7
37	173	4.9	23.4 +- 0.7; 3.5	13.2 +- 0.7; 4.4	13.8 +- 1.2
38	157	4.6	28.7 +- 0.9; 4.3	17.7 +- 0.8; 4.8	18.3 +- 0.9
39	248	10.0	29.5 +- 0.9; 4.4	18.4 +- 0.9; 4.9	16.3 +- 2.6
40	229	12.0	25.7 +- 0.8; 3.9	15.2 +- 0.8; 4.6	15.3 +- 1.2
41	218	13.0	21.3 +- 0.6; 3.2	11.5 +- 0.7; 4.2	12.6 +- 2.7
42	213	16.0	22.3 +- 0.7; 3.3	12.3 +- 0.7; 4.3	15.3 +- 1.4

Transit Dose = 7.8 +- 0.5; 3.7

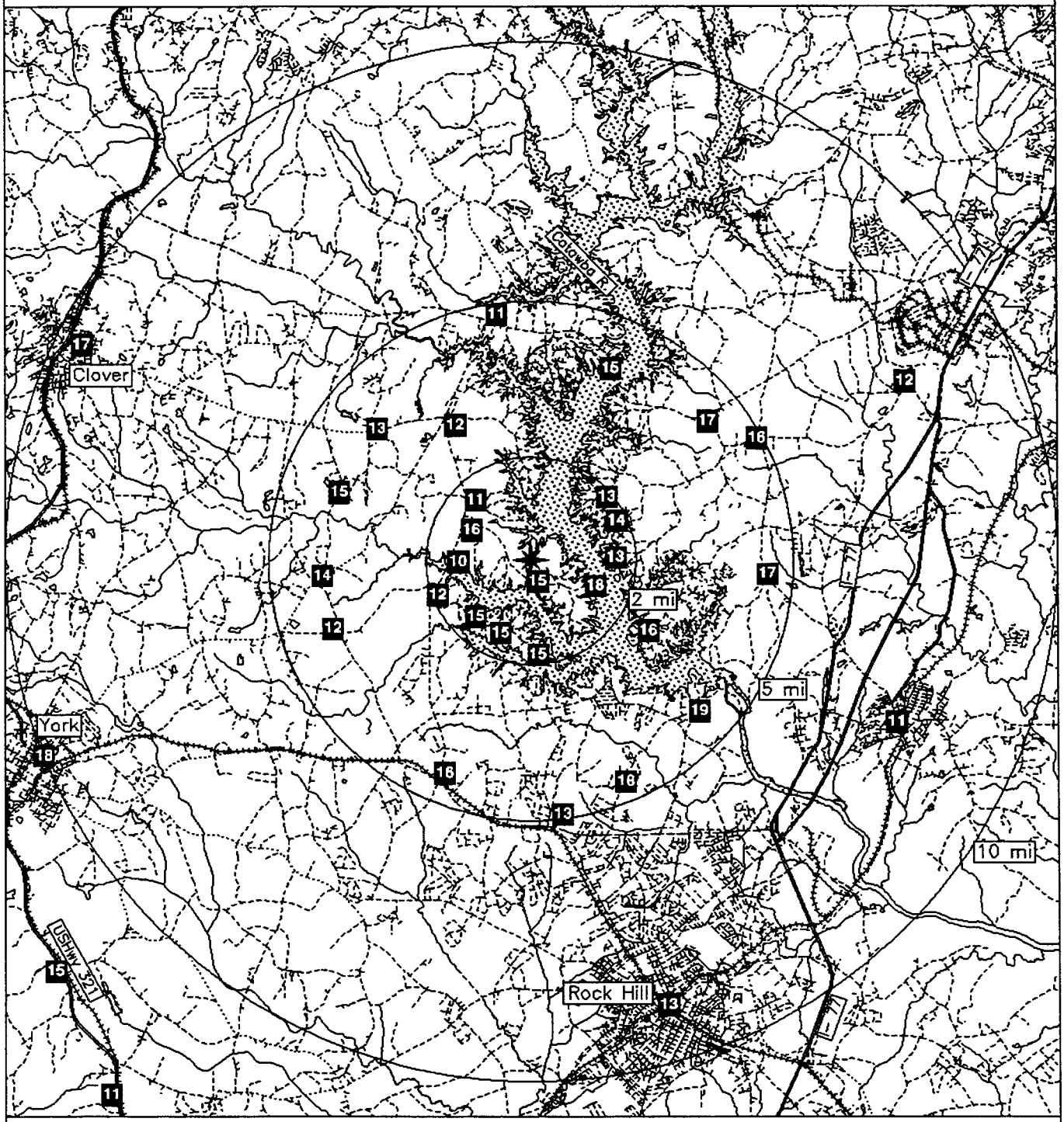
CATAWBA
For the period 970910-980211

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	13.1 +- 2.4	2
11.26 - 33.75 NNE	14.9 +- 0.0	1
33.76 - 56.25 NE	14.3 +- 2.2	3
56.26 - 78.75 ENE	14.0 +- 2.1	3
78.76 - 101.25 E	14.7 +- 2.8	2
101.26 - 123.75 ESE	14.9 +- 3.4	3
123.76 - 146.25 SE	18.5 +- 0.8	3
146.26 - 168.75 SSE	15.3 +- 2.3	3
168.76 - 191.25 S	14.1 +- 1.3	2
191.26 - 213.75 SSW	15.6 +- 0.2	2
213.76 - 236.25 SW	14.6 +- 0.0	1
236.26 - 258.75 WSW	14.2 +- 3.7	3
258.76 - 281.25 W	12.5 +- 2.9	2
281.26 - 303.75 WNW	16.0 +- 1.1	3
303.76 - 326.25 NW	12.1 +- 1.4	2
326.26 - 348.75 NNW	14.8 +- 4.4	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	14.7 +- 2.4	17
2 - 5	14.9 +- 2.4	15
> 5	14.3 +- 3.2	5
Upwind Control	13.0 +- 1.9	3

NRC TLD DOSES FOR CATAWBA AREA



CLINTON
TLD Direct Radiation Environmental Monitoring
For the period 970909-980210 155 Days
Field Time: 99 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	5	0.6	25.1 +- 0.8; 3.8	19.2 +- 0.8; 4.5	18.9 +- 2.3
2	40	0.7	28.4 +- 0.9; 4.3	22.2 +- 0.8; 4.8	18.7 +- 1.2
3	35	0.8	31.8 +- 1.0; 4.8	25.3 +- 0.9; 5.2	21.4 +- 1.7
4	163	0.5	27.2 +- 0.8; 4.1	21.1 +- 0.8; 4.7	19.0 +- 1.5
5	210	0.5	26.8 +- 0.8; 4.0	20.7 +- 0.8; 4.7	19.4 +- 1.5
6	223	0.6	28.3 +- 0.8; 4.2	22.1 +- 0.8; 4.8	19.3 +- 1.4
7	235	0.8	28.1 +- 0.8; 4.2	21.9 +- 0.8; 4.8	18.9 +- 1.3
8	62	1.9	24.8 +- 0.7; 3.7	18.9 +- 0.8; 4.5	18.4 +- 1.4
9	78	1.8	25.4 +- 0.8; 3.8	19.5 +- 0.8; 4.5	18.2 +- 1.3
10	79	2.6	26.8 +- 0.8; 4.0	20.7 +- 0.8; 4.7	18.4 +- 1.8
11	100	2.3	27.1 +- 0.8; 4.1	21.0 +- 0.8; 4.7	18.7 +- 1.3
12	115	3.0	26.9 +- 0.8; 4.0	20.8 +- 0.8; 4.7	16.9 +- 2.1
13	127	3.2	25.7 +- 0.8; 3.8	19.7 +- 0.8; 4.5	18.6 +- 1.4
14	155	2.1	26.1 +- 0.8; 3.9	20.1 +- 0.8; 4.6	19.0 +- 1.3
15	185	3.0	23.8 +- 0.7; 3.6	18.0 +- 0.7; 4.4	18.5 +- 1.9
16	203	3.2	23.8 +- 0.7; 3.6	18.0 +- 0.7; 4.4	17.7 +- 1.4
17	230	3.7	27.6 +- 0.8; 4.1	21.4 +- 0.8; 4.7	18.5 +- 1.6
18	255	2.8	26.1 +- 0.8; 3.9	20.1 +- 0.8; 4.6	19.1 +- 1.3
19	275	2.3	26.0 +- 0.8; 3.9	20.0 +- 0.8; 4.6	18.5 +- 1.2
20	302	0.9	25.8 +- 0.8; 3.9	19.8 +- 0.8; 4.6	18.2 +- 1.3
21	336	0.8	25.8 +- 0.8; 3.9	19.8 +- 0.8; 4.6	18.0 +- 1.3
22	0	0.6	24.3 +- 0.7; 3.6	18.4 +- 0.7; 4.4	18.3 +- 1.4
23	358	4.6	27.2 +- 0.8; 4.1	21.0 +- 0.8; 4.7	19.2 +- 1.5
24	20	3.9	25.7 +- 0.8; 3.9	19.7 +- 0.8; 4.6	18.3 +- 1.3
25	46	5.0	27.2 +- 0.8; 4.1	21.1 +- 0.8; 4.7	19.0 +- 1.1
26	62	5.5	24.8 +- 0.7; 3.7	18.9 +- 0.8; 4.5	16.9 +- 1.1
27	90	4.8	25.8 +- 0.8; 3.9	19.8 +- 0.8; 4.6	17.8 +- 1.5
28	115	5.2	25.0 +- 0.8; 3.8	19.1 +- 0.8; 4.5	17.5 +- 1.1
29	128	5.1	26.2 +- 0.8; 3.9	20.1 +- 0.8; 4.6	18.1 +- 1.3
30	153	5.8	26.0 +- 0.8; 3.9	20.0 +- 0.8; 4.6	18.5 +- 1.5
31	173	5.2	25.7 +- 0.8; 3.9	19.7 +- 0.8; 4.6	18.0 +- 1.2
32	205	4.7	26.0 +- 0.8; 3.9	20.0 +- 0.8; 4.6	18.2 +- 1.4
33	238	6.1	25.2 +- 0.8; 3.8	19.3 +- 0.8; 4.5	18.3 +- 1.4
34	252	5.8	24.1 +- 0.7; 3.6	18.3 +- 0.7; 4.4	17.4 +- 2.0
35	260	6.6	Missing Dosimeter	No Net Data	14.8 +- 1.4
36	272	4.8	27.0 +- 0.8; 4.1	20.9 +- 0.8; 4.7	18.5 +- 1.4
37	288	4.8	24.4 +- 0.7; 3.7	18.5 +- 0.7; 4.4	17.5 +- 1.3
38	297	7.6	24.3 +- 0.7; 3.6	18.5 +- 0.7; 4.4	16.2 +- 1.3
39	315	5.1	25.4 +- 0.8; 3.8	19.4 +- 0.8; 4.5	18.3 +- 1.7
40	342	4.8	25.6 +- 0.8; 3.8	19.6 +- 0.8; 4.5	18.3 +- 1.3
41	65	12.0	23.5 +- 0.7; 3.5	17.8 +- 0.7; 4.3	17.6 +- 1.9
42	148	12.0	33.0 +- 1.0; 5.0	26.4 +- 1.0; 5.4	19.0 +- 2.5
43	148	12.0	32.6 +- 1.0; 4.9	26.0 +- 0.9; 5.3	19.5 +- 2.2
44	206	14.0	23.2 +- 0.7; 3.5	17.4 +- 0.7; 4.3	15.8 +- 1.3

Transit Dose = 4.0 +- 0.4; 3.2

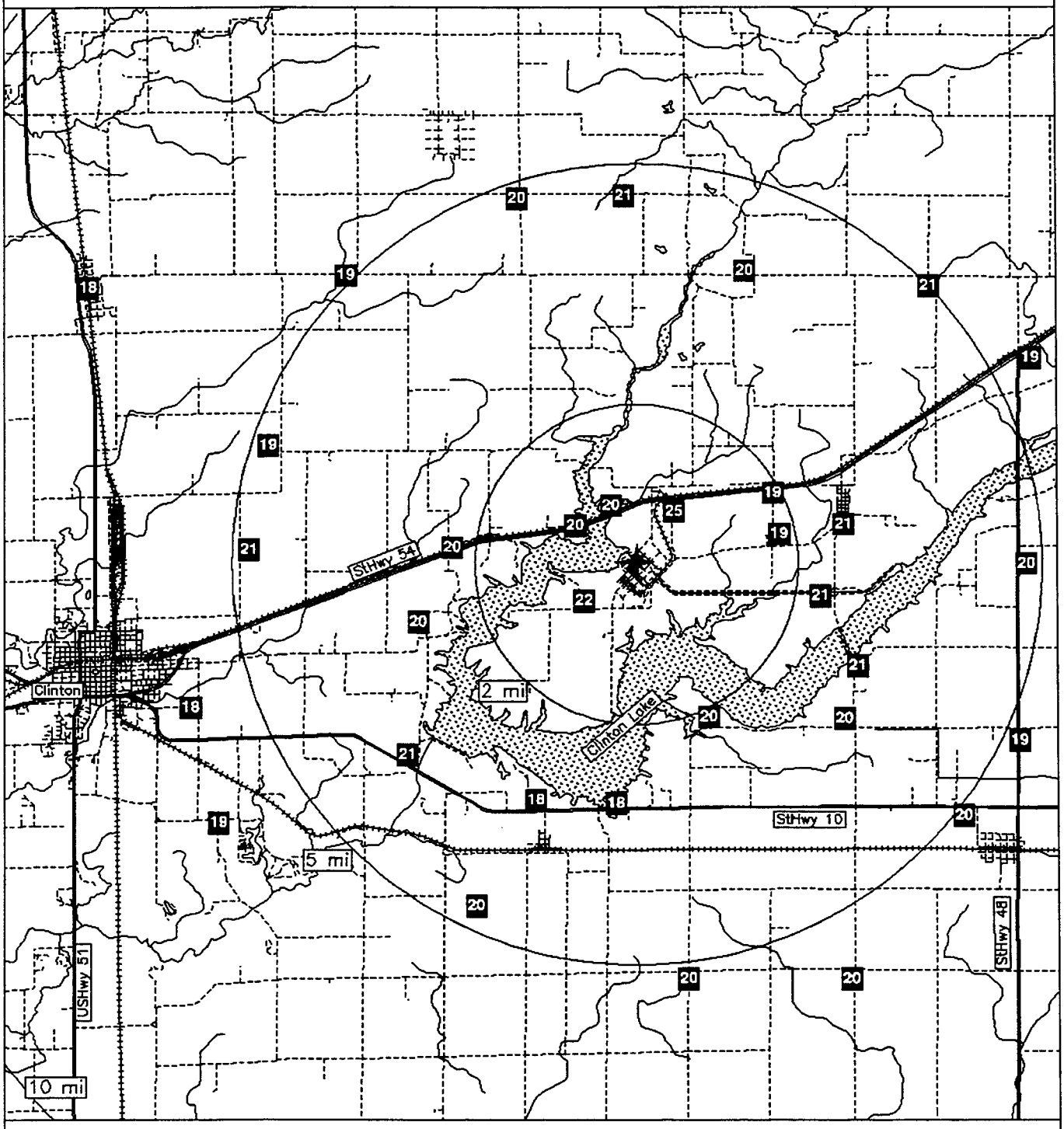
CLINTON
For the period 970909-980210

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	19.5 +- 1.4	3
11.26 - 33.75 NNE	19.7 +- 0.0	1
33.76 - 56.25 NE	22.8 +- 2.2	3
56.26 - 78.75 ENE	18.8 +- 0.7	4
78.76 - 101.25 E	20.5 +- 0.6	3
101.26 - 123.75 ESE	20.0 +- 1.2	2
123.76 - 146.25 SE	19.9 +- 0.3	2
146.26 - 168.75 SSE	20.4 +- 0.6	3
168.76 - 191.25 S	18.9 +- 1.2	2
191.26 - 213.75 SSW	19.6 +- 1.4	3
213.76 - 236.25 SW	21.8 +- 0.4	3
236.26 - 258.75 WSW	19.2 +- 0.9	3
258.76 - 281.25 W	20.4 +- 0.7	2
281.26 - 303.75 WNW	18.9 +- 0.7	3
303.76 - 326.25 NW	19.4 +- 0.0	1
326.26 - 348.75 NNW	19.7 +- 0.1	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	20.7 +- 1.9	12
2 - 5	20.0 +- 1.0	18
> 5	19.1 +- 0.8	10
Upwind Control	23.3 +- 5.1	3

NRC TLD DOSES FOR CLINTON AREA



Miles

0 2 4

Legend

Water
Railroads
Plant..site
Highways
Roads

COMANCHE PEAK
TLD Direct Radiation Environmental Monitoring
For the period 970908-980209 155 Days
Field Time: 93 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	306	1.4	22.1 +- 0.7; 3.3	17.2 +- 0.7; 4.4	15.5 +- 1.1
2	285	1.5	22.9 +- 0.7; 3.4	18.0 +- 0.8; 4.4	16.1 +- 1.1
3	268	1.1	20.0 +- 0.6; 3.0	15.1 +- 0.7; 4.1	14.1 +- 0.8
4	253	0.9	21.4 +- 0.6; 3.2	16.5 +- 0.7; 4.3	15.4 +- 1.0
5	218	1.0	21.2 +- 0.6; 3.2	16.3 +- 0.7; 4.3	15.5 +- 0.9
6	200	1.0	20.4 +- 0.6; 3.1	15.6 +- 0.7; 4.2	13.9 +- 1.2
7	180	1.4	21.5 +- 0.6; 3.2	16.6 +- 0.7; 4.3	14.0 +- 1.0
8	163	1.6	21.6 +- 0.6; 3.2	16.8 +- 0.7; 4.3	16.1 +- 1.7
9	140	1.3	22.0 +- 0.7; 3.3	17.1 +- 0.7; 4.3	15.8 +- 0.8
10	118	1.5	21.2 +- 0.6; 3.2	16.4 +- 0.7; 4.3	14.2 +- 1.2
11	93	1.9	24.7 +- 0.7; 3.7	19.8 +- 0.8; 4.6	15.5 +- 2.5
12	73	2.4	Missing Dosimeter	No Net Data	17.3 +- 0.9
13	245	1.7	20.8 +- 0.6; 3.1	15.9 +- 0.7; 4.2	14.4 +- 1.0
14	156	4.3	19.8 +- 0.6; 3.0	15.0 +- 0.7; 4.1	14.0 +- 1.1
15	186	7.0	21.3 +- 0.6; 3.2	16.4 +- 0.7; 4.3	15.1 +- 1.3
16	183	4.1	21.0 +- 0.6; 3.1	16.1 +- 0.7; 4.2	15.5 +- 1.3
17	205	4.3	21.1 +- 0.6; 3.2	16.3 +- 0.7; 4.3	15.5 +- 0.9
18	225	3.4	19.7 +- 0.6; 3.0	14.9 +- 0.7; 4.1	13.0 +- 1.1
19	245	5.2	21.7 +- 0.7; 3.3	16.8 +- 0.7; 4.3	15.5 +- 0.8
20	264	5.8	20.3 +- 0.6; 3.1	15.5 +- 0.7; 4.2	14.0 +- 0.9
21	258	3.2	21.1 +- 0.6; 3.2	16.3 +- 0.7; 4.3	14.0 +- 1.0
22	284	5.1	19.9 +- 0.6; 3.0	15.1 +- 0.7; 4.1	13.6 +- 1.0
23	313	5.8	23.1 +- 0.7; 3.5	18.2 +- 0.8; 4.5	15.3 +- 1.0
24	332	4.9	20.8 +- 0.6; 3.1	15.9 +- 0.7; 4.2	14.4 +- 1.0
25	9	4.6	21.3 +- 0.6; 3.2	16.5 +- 0.7; 4.3	15.0 +- 1.1
26	26	4.5	21.1 +- 0.6; 3.2	16.2 +- 0.7; 4.3	14.8 +- 1.2
27	47	4.1	20.8 +- 0.6; 3.1	16.0 +- 0.7; 4.2	14.6 +- 1.1
28	6	1.8	21.6 +- 0.6; 3.2	16.8 +- 0.7; 4.3	15.1 +- 1.1
29	16	1.9	20.9 +- 0.6; 3.1	16.0 +- 0.7; 4.2	14.7 +- 1.1
30	102	3.0	21.4 +- 0.6; 3.2	16.6 +- 0.7; 4.3	15.8 +- 1.3
31	108	3.9	20.7 +- 0.6; 3.1	15.9 +- 0.7; 4.2	14.9 +- 1.0
32	135	4.6	20.5 +- 0.6; 3.1	15.7 +- 0.7; 4.2	15.7 +- 1.1
33	152	6.3	20.1 +- 0.6; 3.0	15.2 +- 0.7; 4.1	14.0 +- 1.1
34	47	2.9	19.2 +- 0.6; 2.9	14.4 +- 0.7; 4.1	13.7 +- 1.3
35	85	4.8	21.1 +- 0.6; 3.2	16.3 +- 0.7; 4.3	15.1 +- 1.1
36	115	7.5	20.3 +- 0.6; 3.0	15.5 +- 0.7; 4.2	15.4 +- 1.3
37	355	9.4	21.3 +- 0.6; 3.2	16.4 +- 0.7; 4.3	14.5 +- 1.1
38	337	9.2	21.8 +- 0.7; 3.3	16.9 +- 0.7; 4.3	14.4 +- 1.1
39	310	9.9	19.2 +- 0.6; 2.9	14.4 +- 0.7; 4.1	14.3 +- 1.2
40	302	8.1	20.5 +- 0.6; 3.1	15.7 +- 0.7; 4.2	13.8 +- 1.2
41	248	7.9	22.7 +- 0.7; 3.4	17.8 +- 0.7; 4.4	16.0 +- 1.0
42	90	0.5	22.0 +- 0.7; 3.3	17.1 +- 0.7; 4.3	14.6 +- 1.6
43	18	9.8	21.3 +- 0.6; 3.2	16.4 +- 0.7; 4.3	14.9 +- 1.0
44	263	1.7	20.1 +- 0.6; 3.0	15.3 +- 0.7; 4.1	14.0 +- 1.9
45	218	12.0	21.3 +- 0.6; 3.2	16.5 +- 0.7; 4.3	14.9 +- 0.9
46	140	12.0	21.7 +- 0.7; 3.3	16.9 +- 0.7; 4.3	14.9 +- 1.1
47	301	21.0	21.5 +- 0.6; 3.2	16.7 +- 0.7; 4.3	14.6 +- 0.9

Transit Dose = 4.3 +- 0.4; 3.1

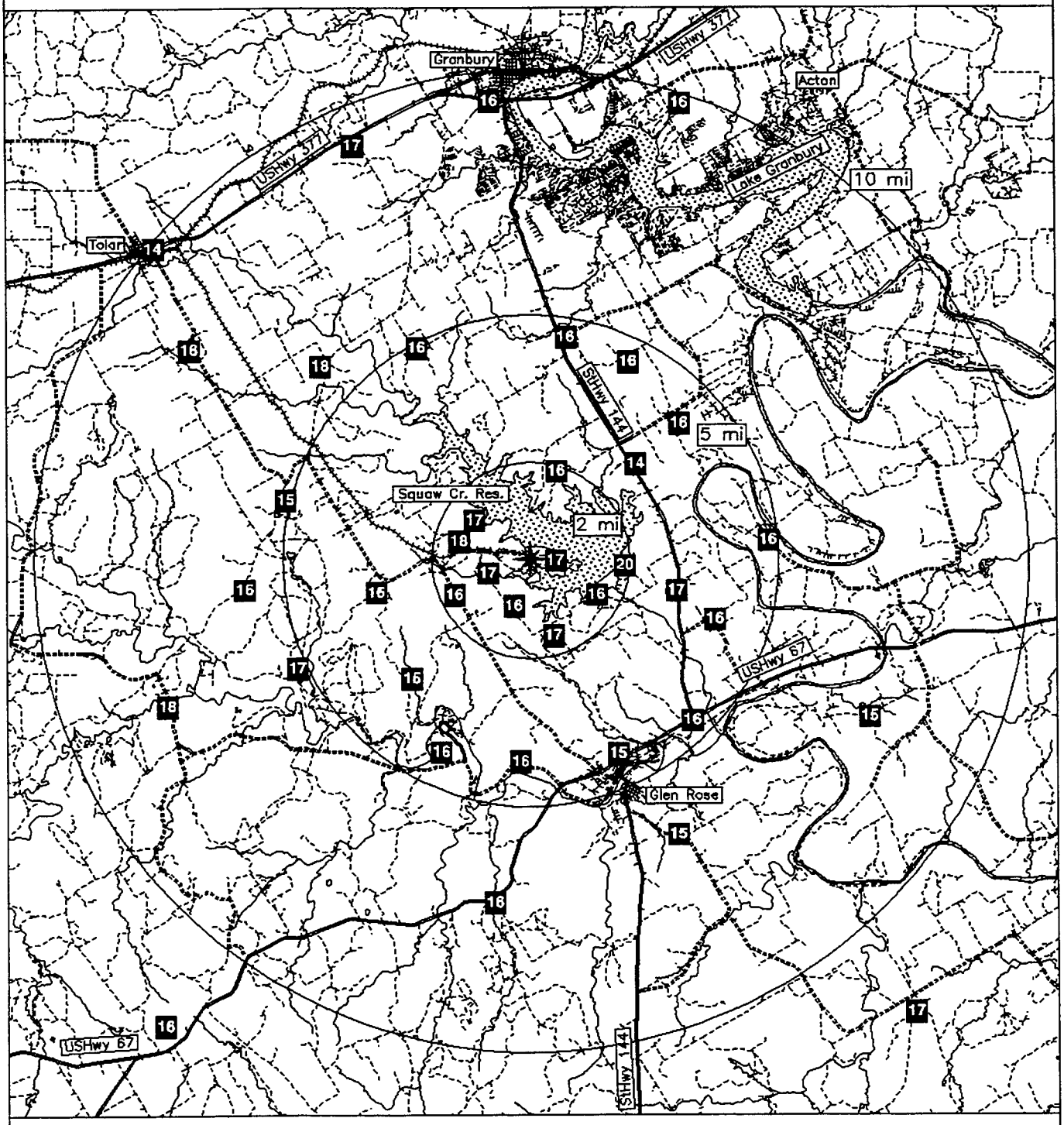
COMANCHE PEAK
For the period 970908-980209

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	16.5 +- 0.2	3
11.26 - 33.75 NNE	16.2 +- 0.2	3
33.76 - 56.25 NE	15.2 +- 1.1	2
56.26 - 78.75 ENE	No Data +- No Data	0
78.76 - 101.25 E	17.7 +- 1.8	3
101.26 - 123.75 ESE	16.1 +- 0.5	4
123.76 - 146.25 SE	16.5 +- 0.8	3
146.26 - 168.75 SSE	15.7 +- 1.0	3
168.76 - 191.25 S	16.4 +- 0.2	3
191.26 - 213.75 SSW	15.9 +- 0.5	2
213.76 - 236.25 SW	15.9 +- 0.9	3
236.26 - 258.75 WSW	16.7 +- 0.7	5
258.76 - 281.25 W	15.3 +- 0.2	3
281.26 - 303.75 WNW	16.4 +- 1.2	4
303.76 - 326.25 NW	16.6 +- 2.0	3
326.26 - 348.75 NNW	16.4 +- 0.7	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	16.7 +- 1.1	16
2 - 5	15.9 +- 0.7	14
> 5	16.3 +- 1.0	16
Upwind Control	No Data +- No Data	0

NRC TLD DOSES FOR COMANCHE PEAK AREA



Miles

0 2 4

Legend

Water
Highways
Railroads
Roads
Plant..site

COOPER
TLD Direct Radiation Environmental Monitoring
For the period 970908-980210 156 Days
Field Time: 91 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)	Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	350 2.3	27.6 +- 0.8; 4.1	18.9 +- 0.9; 5.3	18.5 +- 2.6
2	6 3.5	27.3 +- 0.8; 4.1	18.6 +- 0.9; 5.3	19.0 +- 1.2
3	18 2.7	28.9 +- 0.9; 4.3	20.2 +- 1.0; 5.5	19.6 +- 1.5
4	16 3.2	29.0 +- 0.9; 4.3	20.2 +- 1.0; 5.5	19.9 +- 1.5
5	47 1.9	28.5 +- 0.9; 4.3	19.8 +- 1.0; 5.4	19.5 +- 1.3
6	40 3.6	28.4 +- 0.9; 4.3	19.7 +- 1.0; 5.4	18.9 +- 1.6
7	75 2.7	27.1 +- 0.8; 4.1	18.4 +- 0.9; 5.2	18.8 +- 1.9
8	55 2.8	27.8 +- 0.8; 4.2	19.1 +- 1.0; 5.3	18.8 +- 1.8
9	80 2.1	28.8 +- 0.9; 4.3	20.1 +- 1.0; 5.4	20.4 +- 1.6
10	98 3.7	27.4 +- 0.8; 4.1	18.7 +- 0.9; 5.3	18.6 +- 1.3
11	118 2.3	28.2 +- 0.8; 4.2	19.5 +- 1.0; 5.4	20.2 +- 1.6
12	109 4.6	27.2 +- 0.8; 4.1	18.5 +- 0.9; 5.3	19.8 +- 1.3
13	141 3.2	28.5 +- 0.9; 4.3	19.8 +- 1.0; 5.4	19.5 +- 1.3
14	126 5.6	28.5 +- 0.9; 4.3	19.8 +- 1.0; 5.4	18.4 +- 1.8
15	159 2.7	27.6 +- 0.8; 4.1	18.9 +- 0.9; 5.3	18.8 +- 1.4
16	167 4.9	25.0 +- 0.8; 3.8	16.3 +- 0.9; 5.0	19.0 +- 2.5
17	205 0.3	30.3 +- 0.9; 4.5	21.5 +- 1.0; 5.6	19.5 +- 1.9
18	186 4.7	29.2 +- 0.9; 4.4	20.5 +- 1.0; 5.5	20.5 +- 1.5
19	213 3.0	26.9 +- 0.8; 4.0	18.2 +- 0.9; 5.2	19.4 +- 1.4
20	195 4.9	30.6 +- 0.9; 4.6	21.9 +- 1.0; 5.7	20.5 +- 1.7
21	222 2.0	28.5 +- 0.9; 4.3	19.8 +- 1.0; 5.4	18.5 +- 1.4
22	215 5.7	29.1 +- 0.9; 4.4	20.3 +- 1.0; 5.5	20.4 +- 1.6
23	256 1.5	29.3 +- 0.9; 4.4	20.6 +- 1.0; 5.5	20.2 +- 1.7
24	238 5.2	29.4 +- 0.9; 4.4	20.6 +- 1.0; 5.5	20.2 +- 1.6
25	276 2.2	29.9 +- 0.9; 4.5	21.1 +- 1.0; 5.6	20.5 +- 1.4
26	260 3.8	29.8 +- 0.9; 4.5	21.1 +- 1.0; 5.6	20.7 +- 1.4
27	301 1.8	30.2 +- 0.9; 4.5	21.5 +- 1.0; 5.6	20.1 +- 1.5
28	286 4.3	29.0 +- 0.9; 4.3	20.3 +- 1.0; 5.5	20.0 +- 1.8
29	324 2.8	28.0 +- 0.8; 4.2	19.3 +- 1.0; 5.3	19.3 +- 2.1
30	333 3.7	30.3 +- 0.9; 4.5	21.6 +- 1.0; 5.6	19.9 +- 1.5
31	343 2.6	29.6 +- 0.9; 4.4	20.9 +- 1.0; 5.5	20.4 +- 1.8
32	333 3.7	29.3 +- 0.9; 4.4	20.6 +- 1.0; 5.5	19.9 +- 2.0
33	215 1.0	27.8 +- 0.8; 4.2	19.1 +- 1.0; 5.3	20.2 +- 2.2
34	175 18.0	30.4 +- 0.9; 4.6	21.7 +- 1.0; 5.6	20.6 +- 2.1
35	333 23.0	29.5 +- 0.9; 4.4	20.8 +- 1.0; 5.5	18.9 +- 1.8
36	210 19.0	28.4 +- 0.9; 4.3	19.7 +- 1.0; 5.4	20.0 +- 2.4
37	64 7.0	Missing Dosimeter	No Net Data	23.1 +- 3.1
38	329 9.0	33.6 +- 1.0; 5.0	24.8 +- 1.1; 6.0	21.6 +- 2.8
39	273 10.0	29.0 +- 0.9; 4.3	20.3 +- 1.0; 5.5	19.3 +- 1.8
40	300 2.5	30.7 +- 0.9; 4.6	22.0 +- 1.0; 5.7	22.2 +- 2.1
42	93 3.5	28.9 +- 0.9; 4.3	20.2 +- 1.0; 5.4	19.2 +- 1.5
43	270 2.2	29.9 +- 0.9; 4.5	21.2 +- 1.0; 5.6	19.9 +- 1.7

Transit Dose = 8.5 +- 0.5; 3.4

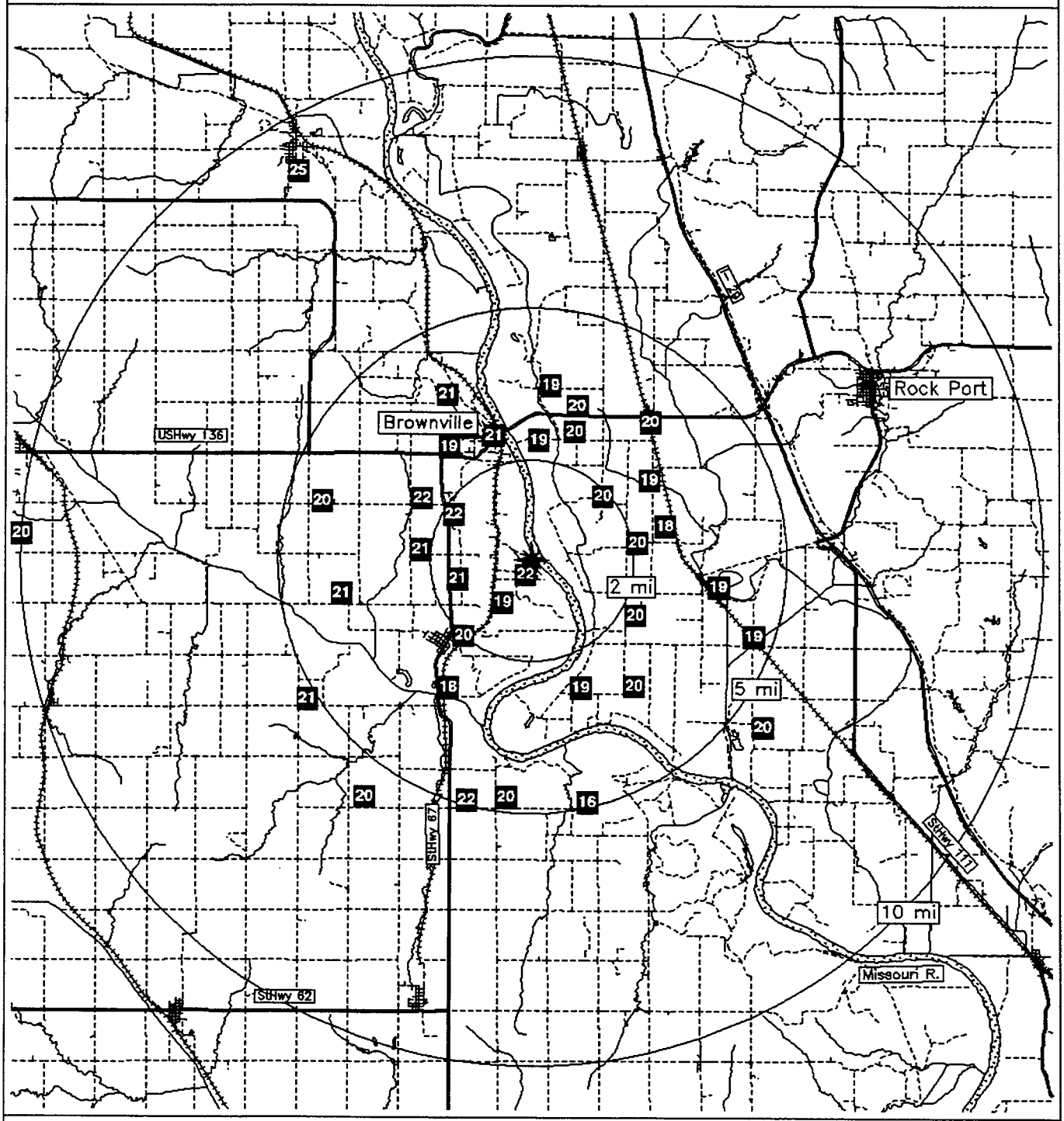
COOPER
For the period 970908-980210

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	18.8 +- 0.2	2
11.26 - 33.75 NNE	20.2 +- 0.0	2
33.76 - 56.25 NE	19.5 +- 0.4	3
56.26 - 78.75 ENE	18.4 +- 0.0	1
78.76 - 101.25 E	19.7 +- 0.8	3
101.26 - 123.75 ESE	19.0 +- 0.7	2
123.76 - 146.25 SE	19.8 +- 0.0	2
146.26 - 168.75 SSE	17.6 +- 1.8	2
168.76 - 191.25 S	20.5 +- 0.0	1
191.26 - 213.75 SSW	20.6 +- 2.1	3
213.76 - 236.25 SW	19.8 +- 0.6	3
236.26 - 258.75 WSW	20.6 +- 0.0	2
258.76 - 281.25 W	20.9 +- 0.4	4
281.26 - 303.75 WNW	21.3 +- 0.9	3
303.76 - 326.25 NW	19.3 +- 0.0	1
326.26 - 348.75 NNW	22.0 +- 1.9	4

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	20.4 +- 1.0	6
2 - 5	19.8 +- 1.3	27
> 5	21.2 +- 2.1	5
Upwind Control	20.7 +- 1.0	3

NRC TLD DOSES FOR COOPER AREA



CRYSTAL RIVER
TLD Direct Radiation Environmental Monitoring
For the period 970909-980310 183 Days
Field Time: 105 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
6	61	4.2	18.2 +- 0.5; 2.7	10.5 +- 0.6; 3.8	11.8 +- 2.3
7	50	3.8	18.6 +- 0.6; 2.8	10.9 +- 0.6; 3.9	12.0 +- 2.5
8	20	5.2	19.7 +- 0.6; 3.0	11.8 +- 0.6; 4.0	12.5 +- 2.2
9	6	5.4	20.0 +- 0.6; 3.0	12.1 +- 0.6; 4.0	14.3 +- 2.3
10	348	5.0	21.2 +- 0.6; 3.2	13.1 +- 0.7; 4.1	13.7 +- 2.2
11	334	4.8	18.4 +- 0.6; 2.8	10.7 +- 0.6; 3.8	12.9 +- 2.3
12	318	4.8	20.0 +- 0.6; 3.0	12.1 +- 0.6; 4.0	12.7 +- 2.6
13	79	3.8	19.3 +- 0.6; 2.9	11.5 +- 0.6; 3.9	13.0 +- 2.3
14	95	4.1	17.5 +- 0.5; 2.6	9.9 +- 0.6; 3.8	12.5 +- 2.5
15	89	1.8	21.4 +- 0.6; 3.2	13.3 +- 0.7; 4.1	15.1 +- 2.4
16	113	5.0	18.6 +- 0.6; 2.8	10.9 +- 0.6; 3.9	11.9 +- 1.4
17	133	5.5	19.0 +- 0.6; 2.9	11.2 +- 0.6; 3.9	13.5 +- 2.8
18	74	8.1	18.7 +- 0.6; 2.8	11.0 +- 0.6; 3.9	12.3 +- 2.4
19	127	7.6	18.5 +- 0.6; 2.8	10.8 +- 0.6; 3.9	12.7 +- 2.3
20	150	12.0	18.6 +- 0.6; 2.8	10.9 +- 0.6; 3.9	11.6 +- 2.3
21	159	13.0	18.7 +- 0.6; 2.8	11.0 +- 0.6; 3.9	12.8 +- 2.5
22	150	13.0	19.6 +- 0.6; 2.9	11.7 +- 0.6; 3.9	12.7 +- 2.5
23	150	21.0	17.3 +- 0.5; 2.6	9.8 +- 0.6; 3.8	13.7 +- 3.5
24	150	21.0	17.9 +- 0.5; 2.7	10.3 +- 0.6; 3.8	11.7 +- 2.3
25	56	6.1	Missing Dosimeter	No Net Data	14.1 +- 3.3
26	357	5.2	18.9 +- 0.6; 2.8	11.1 +- 0.6; 3.9	13.2 +- 2.4
27	90	13.0	19.8 +- 0.6; 3.0	11.9 +- 0.6; 4.0	12.8 +- 2.4
28	140	4.8	19.0 +- 0.6; 2.9	11.2 +- 0.6; 3.9	13.2 +- 2.2

Transit Dose = 5.9 +- 0.4; 3.5

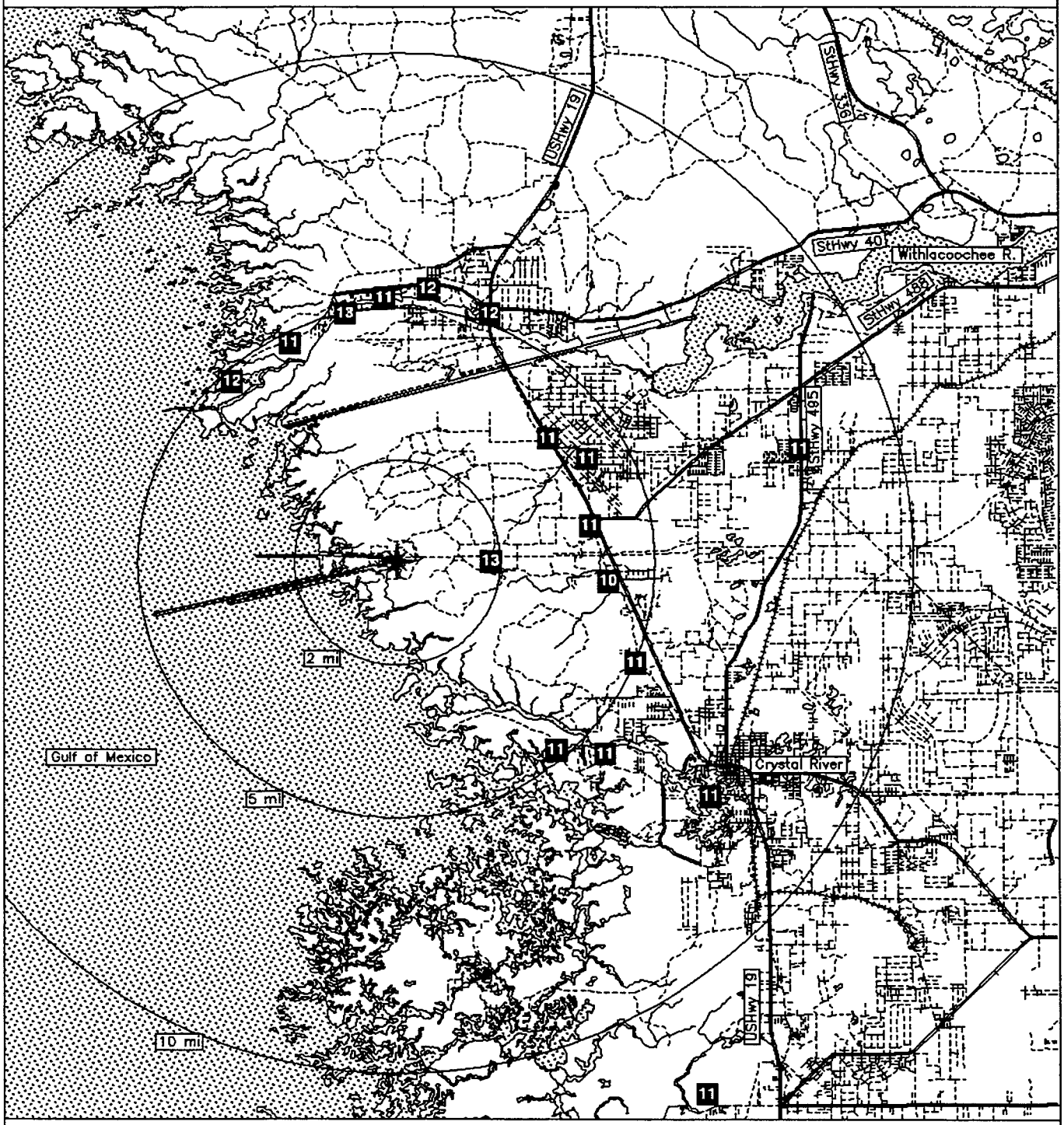
CRYSTAL RIVER
For the period 970909-980310

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	11.6 +- 0.7	2
11.26 - 33.75 NNE	11.8 +- 0.0	1
33.76 - 56.25 NE	10.9 +- 0.0	1
56.26 - 78.75 ENE	10.8 +- 0.3	2
78.76 - 101.25 E	11.6 +- 1.4	4
101.26 - 123.75 ESE	10.9 +- 0.0	1
123.76 - 146.25 SE	11.1 +- 0.3	3
146.26 - 168.75 SSE	10.9 +- 0.1	2
168.76 - 191.25 S	No Data +- No Data	0
191.26 - 213.75 SSW	No Data +- No Data	0
213.76 - 236.25 SW	No Data +- No Data	0
236.26 - 258.75 WSW	No Data +- No Data	0
258.76 - 281.25 W	No Data +- No Data	0
281.26 - 303.75 WNW	No Data +- No Data	0
303.76 - 326.25 NW	12.1 +- 0.0	1
326.26 - 348.75 NNW	11.9 +- 1.7	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	13.3 +- 0.0	1
2 - 5	11.2 +- 0.9	9
> 5	11.3 +- 0.5	9
Upwind Control	10.6 +- 1.0	3

NRC TLD DOSES FOR CRYSTAL RIVER AREA



Miles

0 2 4

Legend

Water
Highways
Railroads
Roads
Plant..site

DAVIS BESSE
TLD Direct Radiation Environmental Monitoring
For the period 970908-980205 151 Days
Field Time: 118 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	50	0.6	17.8 +- 0.5; 2.7	12.6 +- 0.5; 3.4	12.4 +- 1.3
2	86	0.9	20.2 +- 0.6; 3.0	14.4 +- 0.5; 3.6	13.8 +- 1.2
3	116	1.4	18.9 +- 0.6; 2.8	13.4 +- 0.5; 3.5	13.1 +- 1.2
4	172	0.8	21.4 +- 0.6; 3.2	15.3 +- 0.6; 3.6	15.7 +- 1.8
5	200	1.5	27.2 +- 0.8; 4.1	19.7 +- 0.7; 4.1	19.5 +- 1.8
6	226	1.0	22.2 +- 0.7; 3.3	15.9 +- 0.6; 3.7	16.2 +- 1.3
7	249	1.5	24.2 +- 0.7; 3.6	17.5 +- 0.6; 3.9	17.1 +- 1.3
8	267	1.8	23.0 +- 0.7; 3.4	16.5 +- 0.6; 3.8	17.1 +- 1.5
9	285	1.8	24.9 +- 0.7; 3.7	18.0 +- 0.6; 3.9	17.5 +- 1.5
10	306	1.5	20.2 +- 0.6; 3.0	14.4 +- 0.5; 3.6	14.9 +- 1.5
11	344	0.9	20.8 +- 0.6; 3.1	14.9 +- 0.5; 3.6	14.5 +- 1.1
12	142	4.5	25.3 +- 0.8; 3.8	18.3 +- 0.6; 4.0	18.3 +- 1.6
13	158	4.0	26.9 +- 0.8; 4.0	19.5 +- 0.7; 4.1	19.4 +- 1.6
14	180	3.8	25.4 +- 0.8; 3.8	18.4 +- 0.6; 4.0	16.4 +- 1.5
15	207	4.8	25.1 +- 0.8; 3.8	18.1 +- 0.6; 3.9	17.5 +- 2.0
16	225	4.5	25.6 +- 0.8; 3.8	18.5 +- 0.6; 4.0	17.4 +- 1.6
17	254	2.7	30.4 +- 0.9; 4.6	22.2 +- 0.7; 4.4	20.9 +- 1.6
18	269	3.0	24.8 +- 0.7; 3.7	17.9 +- 0.6; 3.9	17.8 +- 1.6
19	295	5.3	29.1 +- 0.9; 4.4	21.2 +- 0.7; 4.3	19.8 +- 1.7
20	25	0.5	18.0 +- 0.5; 2.7	12.7 +- 0.5; 3.4	12.5 +- 1.7
21	132	9.7	22.0 +- 0.7; 3.3	15.8 +- 0.6; 3.7	16.8 +- 1.3
22	210	6.5	25.2 +- 0.8; 3.8	18.2 +- 0.6; 3.9	17.4 +- 3.1

Transit Dose = 1.3 +- 0.3; 3.5

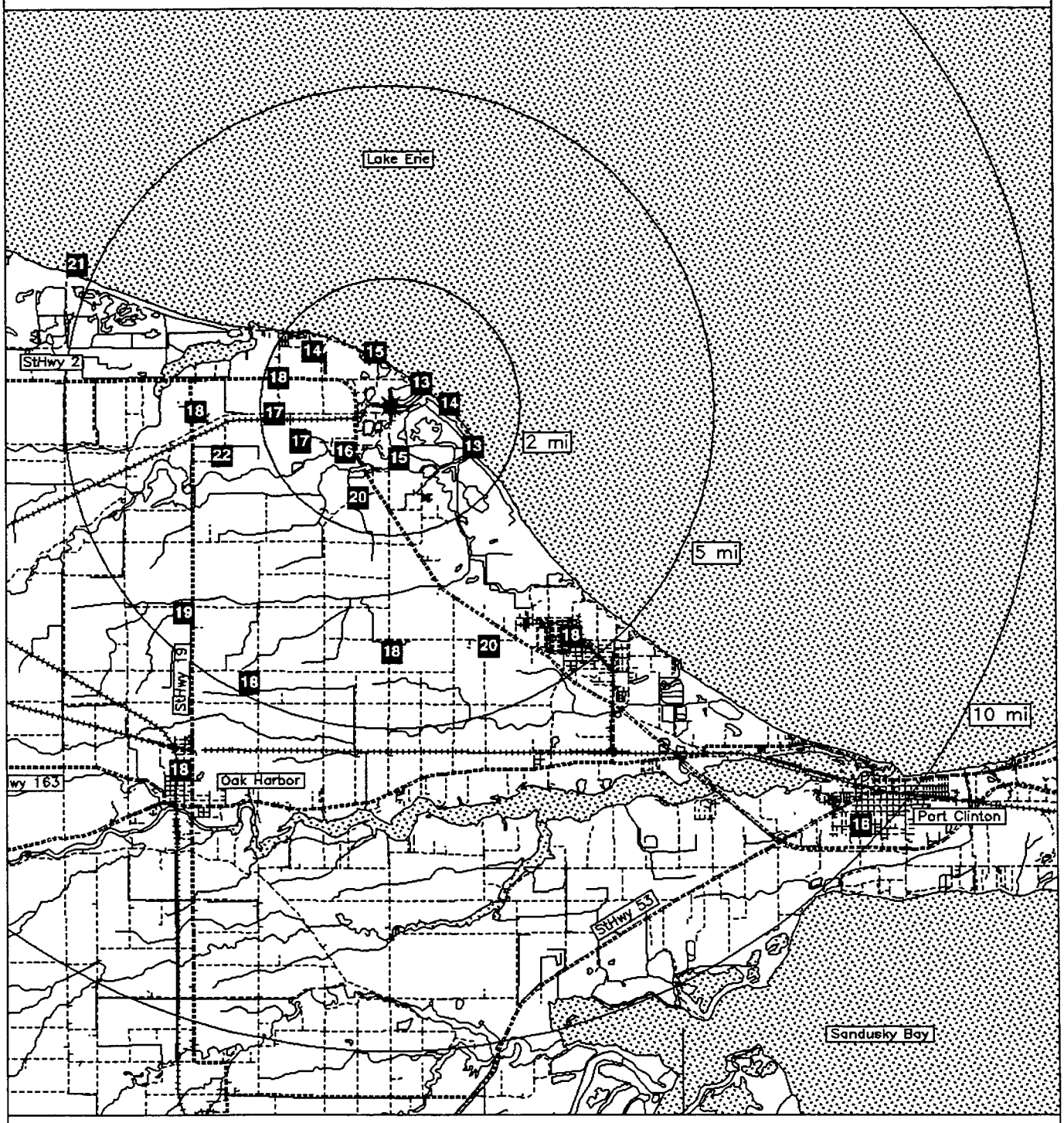
DAVIS BESSE
For the period 970908-980205

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	No Data +- No Data	0
11.26 - 33.75 NNE	12.7 +- 0.0	1
33.76 - 56.25 NE	12.6 +- 0.0	1
56.26 - 78.75 ENE	No Data +- No Data	0
78.76 - 101.25 E	14.4 +- 0.0	1
101.26 - 123.75 ESE	13.4 +- 0.0	1
123.76 - 146.25 SE	18.3 +- 0.0	1
146.26 - 168.75 SSE	19.5 +- 0.0	1
168.76 - 191.25 S	16.8 +- 2.2	2
191.26 - 213.75 SSW	18.9 +- 1.2	2
213.76 - 236.25 SW	17.2 +- 1.8	2
236.26 - 258.75 WSW	19.8 +- 3.3	2
258.76 - 281.25 W	17.2 +- 1.0	2
281.26 - 303.75 WNW	19.6 +- 2.2	2
303.76 - 326.25 NW	14.4 +- 0.0	1
326.26 - 348.75 NNW	14.9 +- 0.0	1

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	15.4 +- 2.2	12
2 - 5	19.0 +- 1.5	7
> 5	21.2 +- 0.0	1
Upwind Control	17.0 +- 1.7	2

NRC TLD DOSES FOR DAVIS–BESSE AREA



Miles

0 2 4

Legend

Water
Highways
Railroads
Roads
Plant..site

DC COOK
TLD Direct Radiation Environmental Monitoring
For the period 970908-980209 155 Days
Field Time: 102 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	54	1.7	21.4 +- 0.6; 3.2	13.4 +- 0.7; 4.2	13.6 +- 0.7
2	67	1.3	26.7 +- 0.8; 4.0	18.1 +- 0.8; 4.7	16.1 +- 2.1
3	89	1.1	19.5 +- 0.6; 2.9	11.7 +- 0.6; 4.0	12.5 +- 0.9
4	58	0.7	19.6 +- 0.6; 2.9	11.8 +- 0.6; 4.0	12.5 +- 0.7
5	19	2.3	21.0 +- 0.6; 3.2	13.1 +- 0.7; 4.1	13.5 +- 0.7
6	111	1.6	23.1 +- 0.7; 3.5	14.9 +- 0.7; 4.3	13.5 +- 0.9
7	135	1.5	21.1 +- 0.6; 3.2	13.1 +- 0.7; 4.2	12.9 +- 0.9
8	158	1.4	25.8 +- 0.8; 3.9	17.3 +- 0.8; 4.6	15.4 +- 2.4
9	171	1.9	21.5 +- 0.6; 3.2	13.5 +- 0.7; 4.2	12.8 +- 0.8
10	199	1.5	20.9 +- 0.6; 3.1	13.0 +- 0.7; 4.1	13.1 +- 0.7
11	195	3.9	Missing Dosimeter	No Net Data	13.0 +- 0.8
12	200	6.6	20.9 +- 0.6; 3.1	12.9 +- 0.7; 4.1	13.6 +- 1.1
13	179	3.9	25.0 +- 0.7; 3.7	16.5 +- 0.8; 4.5	16.0 +- 1.1
14	151	4.4	24.1 +- 0.7; 3.6	15.8 +- 0.7; 4.4	17.0 +- 1.1
15	130	4.6	25.6 +- 0.8; 3.8	17.0 +- 0.8; 4.6	17.3 +- 1.0
16	110	3.7	24.0 +- 0.7; 3.6	15.6 +- 0.7; 4.4	15.0 +- 1.1
17	88	3.6	22.1 +- 0.7; 3.3	14.0 +- 0.7; 4.2	14.0 +- 0.8
18	67	3.8	22.7 +- 0.7; 3.4	14.5 +- 0.7; 4.3	14.2 +- 1.5
19	24	3.8	20.3 +- 0.6; 3.0	12.4 +- 0.7; 4.1	12.8 +- 1.1
20	43	3.3	22.9 +- 0.7; 3.4	14.7 +- 0.7; 4.3	15.6 +- 2.4
21	26	9.9	Missing Dosimeter	No Net Data	17.1 +- 3.2
22	121	18.0	22.5 +- 0.7; 3.4	14.4 +- 0.7; 4.3	14.0 +- 0.8
23	121	18.0	22.7 +- 0.7; 3.4	14.5 +- 0.7; 4.3	14.4 +- 1.0
24	121	18.0	22.4 +- 0.7; 3.4	14.3 +- 0.7; 4.3	15.4 +- 2.0

Transit Dose = 6.2 +- 0.4; 3.5

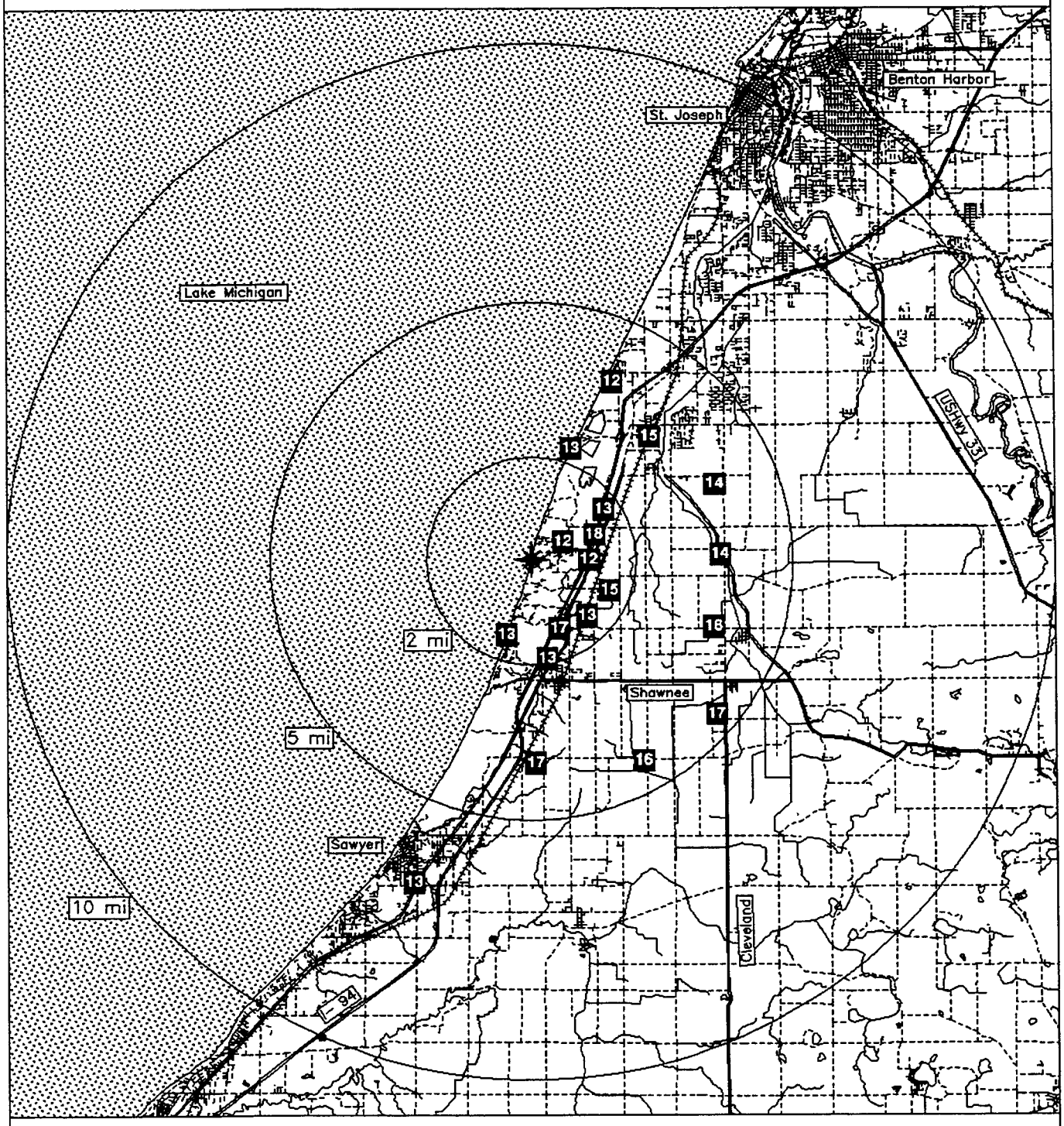
DC COOK
For the period 970908-980209

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	No Data +- No Data	0
11.26 - 33.75 NNE	12.7 +- 0.5	2
33.76 - 56.25 NE	14.0 +- 0.9	2
56.26 - 78.75 ENE	14.8 +- 3.1	3
78.76 - 101.25 E	12.8 +- 1.6	2
101.26 - 123.75 ESE	15.3 +- 0.5	2
123.76 - 146.25 SE	15.1 +- 2.8	2
146.26 - 168.75 SSE	16.5 +- 1.1	2
168.76 - 191.25 S	15.0 +- 2.2	2
191.26 - 213.75 SSW	12.9 +- 0.0	2
213.76 - 236.25 SW	No Data +- No Data	0
236.26 - 258.75 WSW	No Data +- No Data	0
258.76 - 281.25 W	No Data +- No Data	0
281.26 - 303.75 WNW	No Data +- No Data	0
303.76 - 326.25 NW	No Data +- No Data	0
326.26 - 348.75 NNW	No Data +- No Data	0

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	14.1 +- 2.3	9
2 - 5	14.8 +- 1.6	9
> 5	12.9 +- 0.0	1
Upwind Control	14.4 +- 0.1	3

NRC TLD DOSES FOR D.C. COOK AREA



Miles

0 2 4

Legend

Water
Highways
Railroads
Roads
Plant..site

DIABLO CANYON
TLD Direct Radiation Environmental Monitoring
For the period 970908-980209 155 Days
Field Time: 89 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	132	0.9	31.3 +- 0.9; 4.7	23.7 +- 1.1; 5.8	23.2 +- 1.2
2	119	3.9	29.0 +- 0.9; 4.3	21.4 +- 1.0; 5.5	21.1 +- 1.1
3	107	7.2	24.9 +- 0.7; 3.7	17.2 +- 0.9; 5.0	19.4 +- 1.2
4	111	10.3	26.0 +- 0.8; 3.9	18.4 +- 0.9; 5.1	18.5 +- 1.0
5	115	13.9	26.3 +- 0.8; 3.9	18.7 +- 0.9; 5.2	19.6 +- 1.5
6	68	9.4	25.2 +- 0.8; 3.8	17.6 +- 0.9; 5.1	18.1 +- 0.8
7	359	11.1	24.7 +- 0.7; 3.7	17.1 +- 0.9; 5.0	16.2 +- 1.9
8	359	6.6	20.7 +- 0.6; 3.1	13.0 +- 0.8; 4.6	14.2 +- 1.4
9	339	4.8	23.4 +- 0.7; 3.5	15.7 +- 0.8; 4.9	13.4 +- 0.9
10	327	3.6	21.1 +- 0.6; 3.2	13.5 +- 0.8; 4.6	13.6 +- 1.2
11	325	1.2	21.8 +- 0.7; 3.3	14.2 +- 0.8; 4.7	14.3 +- 1.3
12	36	20.7	29.5 +- 0.9; 4.4	21.9 +- 1.0; 5.6	21.2 +- 1.1
13	36	20.7	29.2 +- 0.9; 4.4	21.6 +- 1.0; 5.5	20.9 +- 1.5
14	36	20.7	30.8 +- 0.9; 4.6	23.2 +- 1.0; 5.7	21.5 +- 1.4

Transit Dose = 7.8 +- 0.5; 3.3

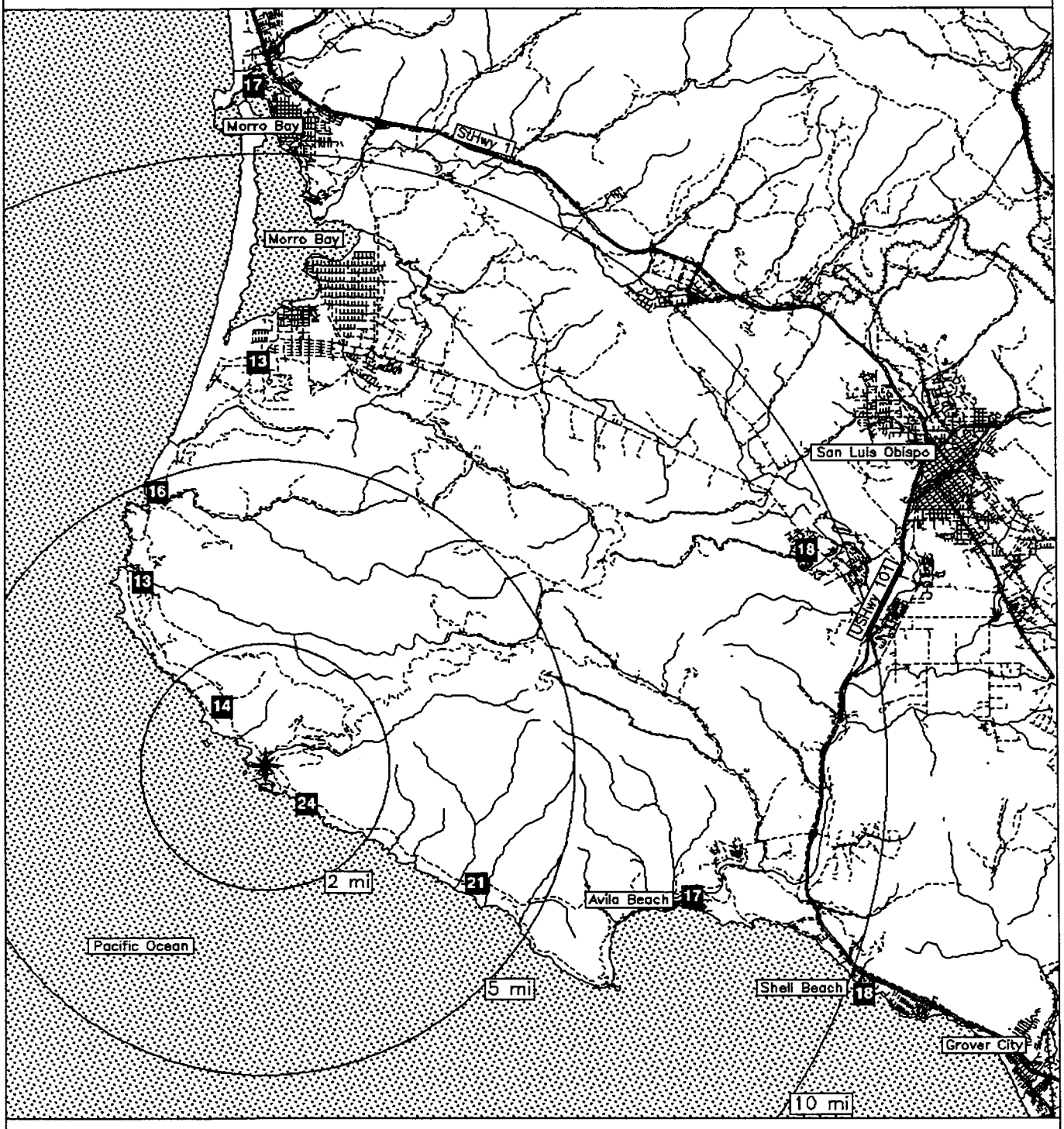
DIABLO CANYON
For the period 970908-980209

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	15.1 +- 2.8	2
11.26 - 33.75 NNE	No Data +- No Data	0
33.76 - 56.25 NE	No Data +- No Data	0
56.26 - 78.75 ENE	17.6 +- 0.0	1
78.76 - 101.25 E	No Data +- No Data	0
101.26 - 123.75 ESE	18.9 +- 1.8	4
123.76 - 146.25 SE	23.7 +- 0.0	1
146.26 - 168.75 SSE	No Data +- No Data	0
168.76 - 191.25 S	No Data +- No Data	0
191.26 - 213.75 SSW	No Data +- No Data	0
213.76 - 236.25 SW	No Data +- No Data	0
236.26 - 258.75 WSW	No Data +- No Data	0
258.76 - 281.25 W	No Data +- No Data	0
281.26 - 303.75 WNW	No Data +- No Data	0
303.76 - 326.25 NW	14.2 +- 0.0	1
326.26 - 348.75 NNW	14.6 +- 1.6	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	19.0 +- 6.8	2
2 - 5	16.9 +- 4.1	3
> 5	17.0 +- 2.0	6
Upwind Control	22.3 +- 0.9	3

NRC TLD DOSES FOR DIABLO CANYON AREA



Miles

0 2 4

Legend

Water — Railroads — Plant..site

Highways --- Roads

DRESDEN
TLD Direct Radiation Environmental Monitoring
For the period 970909-980210 155 Days
Field Time: 101 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	70	4.2	24.2 +- 0.7; 3.6	16.4 +- 0.7; 4.4	17.2 +- 1.7
2	76	3.9	21.8 +- 0.7; 3.3	14.3 +- 0.7; 4.2	15.9 +- 2.4
3	108	3.2	25.7 +- 0.8; 3.8	17.8 +- 0.8; 4.6	17.1 +- 1.5
4	142	1.3	22.1 +- 0.7; 3.3	14.6 +- 0.7; 4.2	14.5 +- 1.5
5	115	1.5	22.9 +- 0.7; 3.4	15.4 +- 0.7; 4.3	14.3 +- 1.6
6	180	1.9	25.7 +- 0.8; 3.9	17.8 +- 0.8; 4.6	17.3 +- 1.9
7	179	0.5	24.1 +- 0.7; 3.6	16.4 +- 0.7; 4.4	16.5 +- 1.5
8	180	0.7	22.6 +- 0.7; 3.4	15.0 +- 0.7; 4.3	14.3 +- 1.3
9	253	0.5	25.7 +- 0.8; 3.9	17.8 +- 0.8; 4.6	18.0 +- 1.5
10	254	1.3	30.3 +- 0.9; 4.5	21.9 +- 0.9; 5.1	24.3 +- 3.6
11	250	1.5	22.8 +- 0.7; 3.4	15.2 +- 0.7; 4.3	14.9 +- 2.2
12	263	2.1	27.0 +- 0.8; 4.1	19.0 +- 0.8; 4.7	17.9 +- 1.3
13	180	4.0	Damaged Dosimeter	No Net Data	13.8 +- 1.4
14	158	4.8	22.8 +- 0.7; 3.4	15.2 +- 0.7; 4.3	14.9 +- 1.5
15	137	4.2	20.6 +- 0.6; 3.1	13.3 +- 0.7; 4.1	14.8 +- 2.1
16	134	8.4	21.9 +- 0.7; 3.3	14.4 +- 0.7; 4.2	14.5 +- 1.1
17	189	7.4	24.5 +- 0.7; 3.7	16.7 +- 0.8; 4.5	15.8 +- 1.5
18	203	4.1	19.0 +- 0.6; 2.8	11.8 +- 0.6; 4.0	13.2 +- 2.4
19	231	4.0	24.6 +- 0.7; 3.7	16.8 +- 0.8; 4.5	18.1 +- 2.3
20	244	6.4	23.7 +- 0.7; 3.6	16.1 +- 0.7; 4.4	16.1 +- 1.8
21	258	8.6	24.5 +- 0.7; 3.7	16.8 +- 0.8; 4.5	16.8 +- 1.5
22	269	4.4	19.8 +- 0.6; 3.0	12.6 +- 0.6; 4.0	14.5 +- 1.5
23	295	3.3	22.7 +- 0.7; 3.4	15.1 +- 0.7; 4.3	15.4 +- 1.4
24	311	3.9	24.2 +- 0.7; 3.6	16.5 +- 0.7; 4.4	16.4 +- 1.7
25	340	4.7	27.3 +- 0.8; 4.1	19.2 +- 0.8; 4.7	18.9 +- 2.1
26	7	4.4	23.4 +- 0.7; 3.5	15.7 +- 0.7; 4.4	15.6 +- 1.7
27	355	2.0	27.0 +- 0.8; 4.0	18.9 +- 0.8; 4.7	20.3 +- 1.7
28	327	1.7	28.2 +- 0.8; 4.2	20.0 +- 0.8; 4.8	20.9 +- 1.7
29	318	1.4	24.2 +- 0.7; 3.6	16.5 +- 0.7; 4.4	18.0 +- 2.0
30	295	2.0	21.6 +- 0.6; 3.2	14.1 +- 0.7; 4.2	15.0 +- 2.4
31	30	1.5	27.7 +- 0.8; 4.2	19.6 +- 0.8; 4.8	19.5 +- 2.1
32	48	1.9	29.2 +- 0.9; 4.4	21.0 +- 0.9; 4.9	20.7 +- 2.0
33	76	1.4	26.1 +- 0.8; 3.9	18.2 +- 0.8; 4.6	18.9 +- 2.2
34	90	1.4	24.7 +- 0.7; 3.7	16.9 +- 0.8; 4.5	17.6 +- 2.4
35	26	4.5	25.3 +- 0.8; 3.8	17.4 +- 0.8; 4.5	17.4 +- 1.8
36	42	3.6	24.1 +- 0.7; 3.6	16.4 +- 0.7; 4.4	15.9 +- 2.0
37	52	11.5	24.2 +- 0.7; 3.6	16.5 +- 0.7; 4.4	16.7 +- 2.4
38	274	21.5	24.7 +- 0.7; 3.7	17.0 +- 0.8; 4.5	17.7 +- 2.4
39	274	21.5	24.8 +- 0.7; 3.7	17.0 +- 0.8; 4.5	17.6 +- 2.0
40	275	21.5	27.5 +- 0.8; 4.1	19.4 +- 0.8; 4.8	19.0 +- 2.6

Transit Dose = 5.7 +- 0.4; 3.4

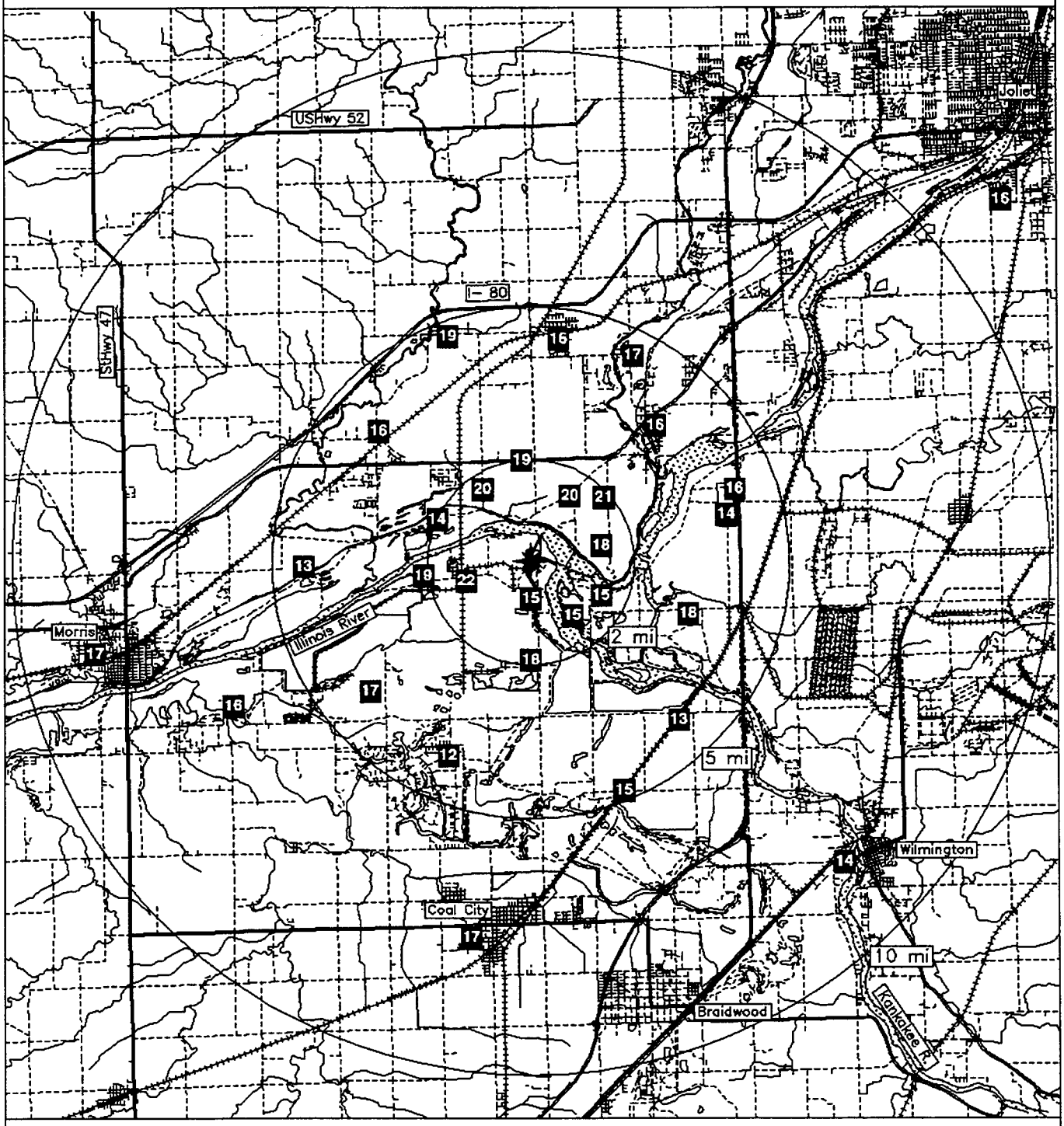
DRESDEN
For the period 970909-980210

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	17.3 +- 2.3	2
11.26 - 33.75 NNE	18.5 +- 1.5	2
33.76 - 56.25 NE	17.9 +- 2.6	3
56.26 - 78.75 ENE	16.3 +- 1.9	3
78.76 - 101.25 E	16.9 +- 0.0	1
101.26 - 123.75 ESE	16.6 +- 1.7	2
123.76 - 146.25 SE	14.1 +- 0.7	3
146.26 - 168.75 SSE	15.2 +- 0.0	1
168.76 - 191.25 S	16.5 +- 1.1	4
191.26 - 213.75 SSW	11.8 +- 0.0	1
213.76 - 236.25 SW	16.8 +- 0.0	1
236.26 - 258.75 WSW	17.5 +- 2.6	5
258.76 - 281.25 W	15.8 +- 4.5	2
281.26 - 303.75 WNW	14.6 +- 0.7	2
303.76 - 326.25 NW	16.5 +- 0.0	2
326.26 - 348.75 NNW	19.6 +- 0.6	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	17.5 +- 2.4	16
2 - 5	15.8 +- 2.2	15
> 5	16.1 +- 1.0	5
Upwind Control	17.8 +- 1.4	3

NRC TLD DOSES FOR DRESDEN AREA



DUANE ARNOLD
TLD Direct Radiation Environmental Monitoring
For the period 970909-980113 127 Days
Field Time: 93 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	163	9.7	Missing Dosimeter	No Net Data	16.5 +- 1.5
2	170	6.2	18.9 +- 0.6; 2.8	18.0 +- 0.6; 3.8	18.6 +- 1.3
3	180	3.5	15.6 +- 0.5; 2.3	14.8 +- 0.5; 3.5	15.4 +- 1.1
4	216	2.9	20.2 +- 0.6; 3.0	19.2 +- 0.6; 4.0	18.9 +- 1.5
5	201	2.5	16.3 +- 0.5; 2.4	15.4 +- 0.5; 3.6	15.4 +- 1.3
6	213	1.0	17.8 +- 0.5; 2.7	16.9 +- 0.6; 3.7	17.2 +- 1.5
7	248	1.0	20.2 +- 0.6; 3.0	19.2 +- 0.6; 4.0	19.0 +- 1.5
8	279	1.0	19.8 +- 0.6; 3.0	18.8 +- 0.6; 3.9	18.7 +- 1.5
9	298	1.0	22.5 +- 0.7; 3.4	21.4 +- 0.7; 4.2	19.8 +- 1.7
10	320	1.5	19.7 +- 0.6; 3.0	18.7 +- 0.6; 3.9	18.9 +- 1.7
11	343	1.0	20.3 +- 0.6; 3.0	19.3 +- 0.6; 4.0	19.5 +- 1.6
12	359	1.2	20.2 +- 0.6; 3.0	19.2 +- 0.6; 4.0	18.2 +- 1.5
13	237	0.5	19.0 +- 0.6; 2.9	18.1 +- 0.6; 3.8	17.6 +- 1.6
14	259	3.9	19.8 +- 0.6; 3.0	18.8 +- 0.6; 3.9	18.0 +- 1.8
15	272	5.0	15.1 +- 0.5; 2.3	14.3 +- 0.5; 3.4	15.1 +- 1.1
16	285	5.0	16.4 +- 0.5; 2.5	15.5 +- 0.5; 3.6	16.7 +- 1.3
17	308	4.5	18.4 +- 0.6; 2.8	17.5 +- 0.6; 3.8	18.7 +- 1.6
18	340	4.5	14.4 +- 0.4; 2.2	13.6 +- 0.5; 3.4	15.3 +- 1.6
19	291	15.0	Missing Dosimeter	No Net Data	17.3 +- 1.4
20	291	15.0	Damaged Dosimeter	No Net Data	17.9 +- 1.5
21	291	15.0	18.2 +- 0.5; 2.7	17.3 +- 0.6; 3.7	16.9 +- 1.4
22	358	6.1	16.9 +- 0.5; 2.5	16.0 +- 0.5; 3.6	16.1 +- 1.3
23	7	2.9	16.4 +- 0.5; 2.5	15.5 +- 0.5; 3.6	15.5 +- 1.3
24	28	3.0	20.3 +- 0.6; 3.0	19.3 +- 0.6; 4.0	19.0 +- 1.7
25	39	3.5	18.3 +- 0.6; 2.8	17.4 +- 0.6; 3.8	17.5 +- 1.3
26	64	3.8	Missing Dosimeter	No Net Data	18.0 +- 1.3
27	50	1.9	16.6 +- 0.5; 2.5	15.7 +- 0.5; 3.6	15.8 +- 1.3
28	72	2.3	18.1 +- 0.5; 2.7	17.2 +- 0.6; 3.7	17.5 +- 1.3
29	91	3.0	16.0 +- 0.5; 2.4	15.1 +- 0.5; 3.5	15.9 +- 1.2
30	93	1.8	19.8 +- 0.6; 3.0	18.9 +- 0.6; 3.9	19.3 +- 1.3
31	113	2.0	20.0 +- 0.6; 3.0	19.0 +- 0.6; 3.9	19.3 +- 1.4
32	141	1.6	17.1 +- 0.5; 2.6	16.2 +- 0.5; 3.6	15.6 +- 1.4
33	153	1.5	19.0 +- 0.6; 2.9	18.1 +- 0.6; 3.8	18.2 +- 1.6
34	177	1.2	16.5 +- 0.5; 2.5	15.6 +- 0.5; 3.6	15.4 +- 1.6
35	153	4.2	15.6 +- 0.5; 2.3	14.8 +- 0.5; 3.5	15.2 +- 1.5
36	135	4.1	17.6 +- 0.5; 2.6	16.7 +- 0.6; 3.7	16.5 +- 1.3
37	111	4.6	20.3 +- 0.6; 3.0	19.3 +- 0.6; 4.0	18.8 +- 1.5
38	123	5.1	17.5 +- 0.5; 2.6	16.6 +- 0.6; 3.7	18.8 +- 1.3
39	132	7.0	19.9 +- 0.6; 3.0	19.0 +- 0.6; 3.9	16.0 +- 1.3
40	139	7.6	18.1 +- 0.5; 2.7	17.2 +- 0.6; 3.7	17.1 +- 1.2

Transit Dose = 0.3 +- 0.2; 2.7

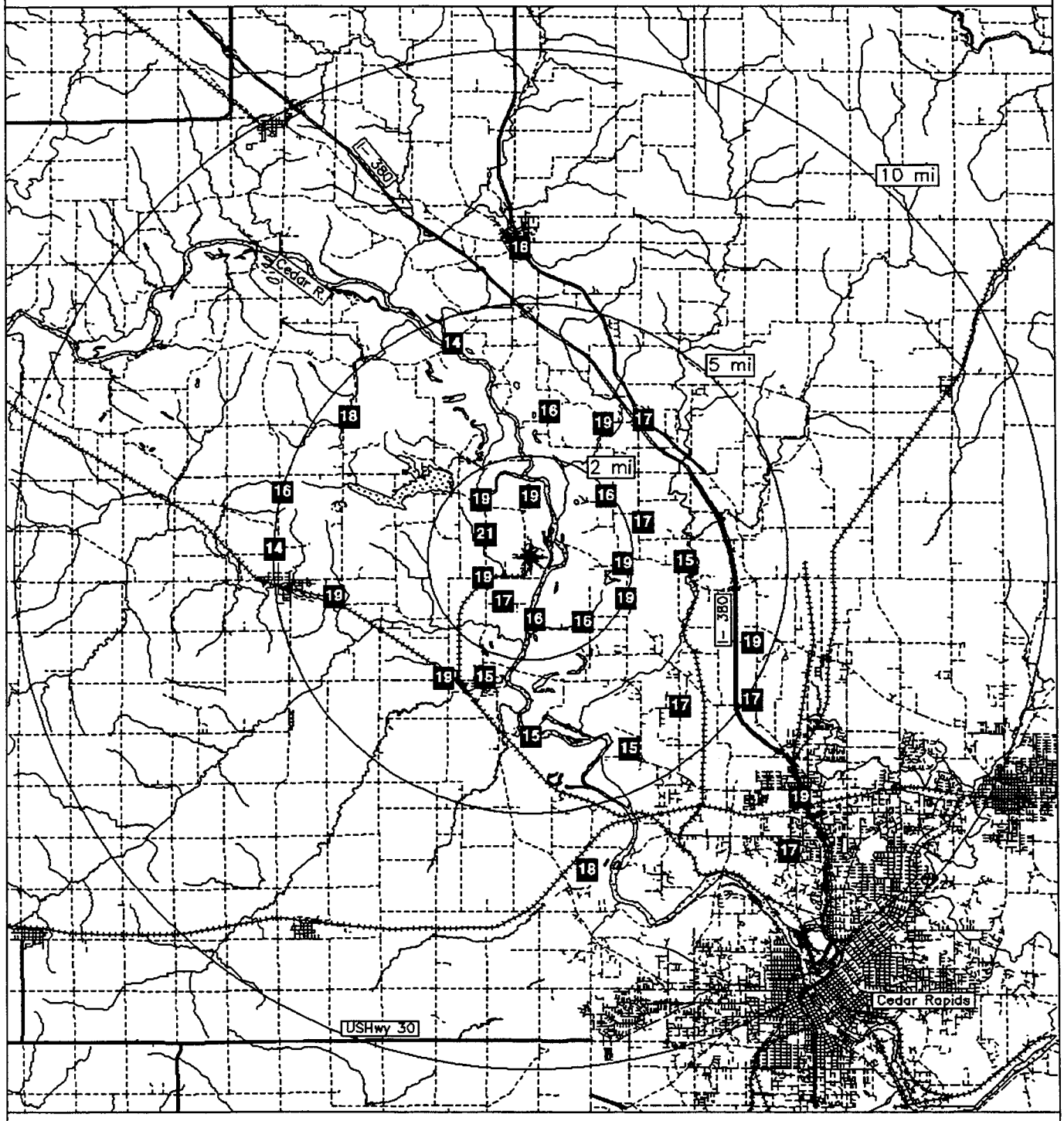
DUANE ARNOLD
For the period 970909-980113

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	16.9 +- 2.0	3
11.26 - 33.75 NNE	19.3 +- 0.0	1
33.76 - 56.25 NE	16.6 +- 1.2	2
56.26 - 78.75 ENE	17.2 +- 0.0	1
78.76 - 101.25 E	17.0 +- 2.6	2
101.26 - 123.75 ESE	18.3 +- 1.5	3
123.76 - 146.25 SE	17.3 +- 1.2	4
146.26 - 168.75 SSE	16.4 +- 2.3	2
168.76 - 191.25 S	16.1 +- 1.7	3
191.26 - 213.75 SSW	16.2 +- 1.1	2
213.76 - 236.25 SW	19.2 +- 0.0	1
236.26 - 258.75 WSW	18.6 +- 0.8	2
258.76 - 281.25 W	17.3 +- 2.6	3
281.26 - 303.75 WNW	18.5 +- 4.2	2
303.76 - 326.25 NW	18.1 +- 0.9	2
326.26 - 348.75 NNW	16.5 +- 4.1	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	18.2 +- 1.6	14
2 - 5	16.5 +- 1.9	16
> 5	17.3 +- 1.2	5
Upwind Control	17.3 +- 0.0	1

NRC TLD DOSES FOR DUANE ARNOLD AREA



Miles

0 2 4

Legend

Water — Railroads — Plant..site

Highways — Roads

FARLEY
TLD Direct Radiation Environmental Monitoring
For the period 970909-980126 140 Days
Field Time: 98 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)	Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	268 15.0	17.9 +- 0.5; 2.7	14.4 +- 0.6; 3.7	13.8 +- 2.4
2	252 7.8	20.3 +- 0.6; 3.0	16.6 +- 0.6; 3.9	14.1 +- 2.3
3	217 6.1	21.4 +- 0.6; 3.2	17.6 +- 0.7; 4.0	15.6 +- 2.1
4	155 5.7	24.8 +- 0.7; 3.7	20.8 +- 0.7; 4.4	19.0 +- 2.1
5	170 5.1	19.9 +- 0.6; 3.0	16.2 +- 0.6; 3.9	15.5 +- 2.0
6	197 4.5	19.1 +- 0.6; 2.9	15.5 +- 0.6; 3.8	14.5 +- 2.0
7	191 2.4	22.1 +- 0.7; 3.3	18.3 +- 0.7; 4.1	17.6 +- 2.5
8	200 1.8	20.9 +- 0.6; 3.1	17.2 +- 0.6; 4.0	15.6 +- 2.0
9	220 1.2	19.2 +- 0.6; 2.9	15.7 +- 0.6; 3.8	14.0 +- 2.1
10	235 0.9	22.3 +- 0.7; 3.4	18.5 +- 0.7; 4.1	16.3 +- 2.0
11	300 0.9	22.2 +- 0.7; 3.3	18.4 +- 0.7; 4.1	16.5 +- 2.2
12	319 1.1	20.7 +- 0.6; 3.1	17.0 +- 0.6; 4.0	16.3 +- 2.3
13	338 1.3	19.5 +- 0.6; 2.9	15.9 +- 0.6; 3.9	14.5 +- 2.0
14	6 1.2	20.7 +- 0.6; 3.1	17.0 +- 0.6; 4.0	14.9 +- 2.2
15	16 1.3	24.3 +- 0.7; 3.6	20.3 +- 0.7; 4.3	20.1 +- 2.4
16	264 1.6	20.2 +- 0.6; 3.0	16.6 +- 0.6; 3.9	14.9 +- 2.0
17	253 3.5	23.0 +- 0.7; 3.4	19.1 +- 0.7; 4.2	17.1 +- 2.1
18	233 3.2	20.5 +- 0.6; 3.1	16.8 +- 0.6; 4.0	15.2 +- 2.0
19	267 4.5	21.6 +- 0.6; 3.2	17.8 +- 0.7; 4.1	16.3 +- 2.2
20	295 3.8	21.6 +- 0.6; 3.2	17.8 +- 0.7; 4.1	15.7 +- 2.2
21	315 4.6	20.0 +- 0.6; 3.0	16.4 +- 0.6; 3.9	14.5 +- 2.2
22	332 4.3	19.9 +- 0.6; 3.0	16.3 +- 0.6; 3.9	14.5 +- 2.0
23	251 4.8	19.9 +- 0.6; 3.0	16.3 +- 0.6; 3.9	14.1 +- 2.1
24	32 5.3	21.8 +- 0.7; 3.3	18.0 +- 0.7; 4.1	16.5 +- 2.0
25	54 6.2	20.3 +- 0.6; 3.0	16.7 +- 0.6; 3.9	14.3 +- 2.2
26	64 5.5	21.8 +- 0.7; 3.3	18.0 +- 0.7; 4.1	16.1 +- 2.1
27	88 4.7	21.2 +- 0.6; 3.2	17.4 +- 0.6; 4.0	15.6 +- 2.0
28	124 5.1	23.2 +- 0.7; 3.5	19.3 +- 0.7; 4.2	16.4 +- 2.0
29	153 4.1	20.9 +- 0.6; 3.1	17.2 +- 0.6; 4.0	15.6 +- 2.0
30	142 3.6	19.7 +- 0.6; 3.0	16.1 +- 0.6; 3.9	14.3 +- 2.0
31	130 3.0	18.8 +- 0.6; 2.8	15.3 +- 0.6; 3.8	13.4 +- 2.2
32	110 2.8	19.9 +- 0.6; 3.0	16.3 +- 0.6; 3.9	14.3 +- 2.2
33	78 2.6	20.7 +- 0.6; 3.1	17.0 +- 0.6; 4.0	14.2 +- 2.3
34	58 2.2	18.0 +- 0.5; 2.7	14.5 +- 0.6; 3.7	13.0 +- 2.0
35	34 2.4	25.2 +- 0.8; 3.8	21.1 +- 0.7; 4.4	19.3 +- 2.1
36	19 2.7	22.3 +- 0.7; 3.3	18.5 +- 0.7; 4.1	16.8 +- 2.0
37	284 10.0	21.8 +- 0.7; 3.3	18.1 +- 0.7; 4.1	15.5 +- 2.1
38	289 15.0	24.6 +- 0.7; 3.7	20.6 +- 0.7; 4.4	15.0 +- 3.0
39	293 15.0	19.0 +- 0.6; 2.9	15.5 +- 0.6; 3.8	16.6 +- 1.9

Transit Dose = 2.2 +- 0.3; 3.0

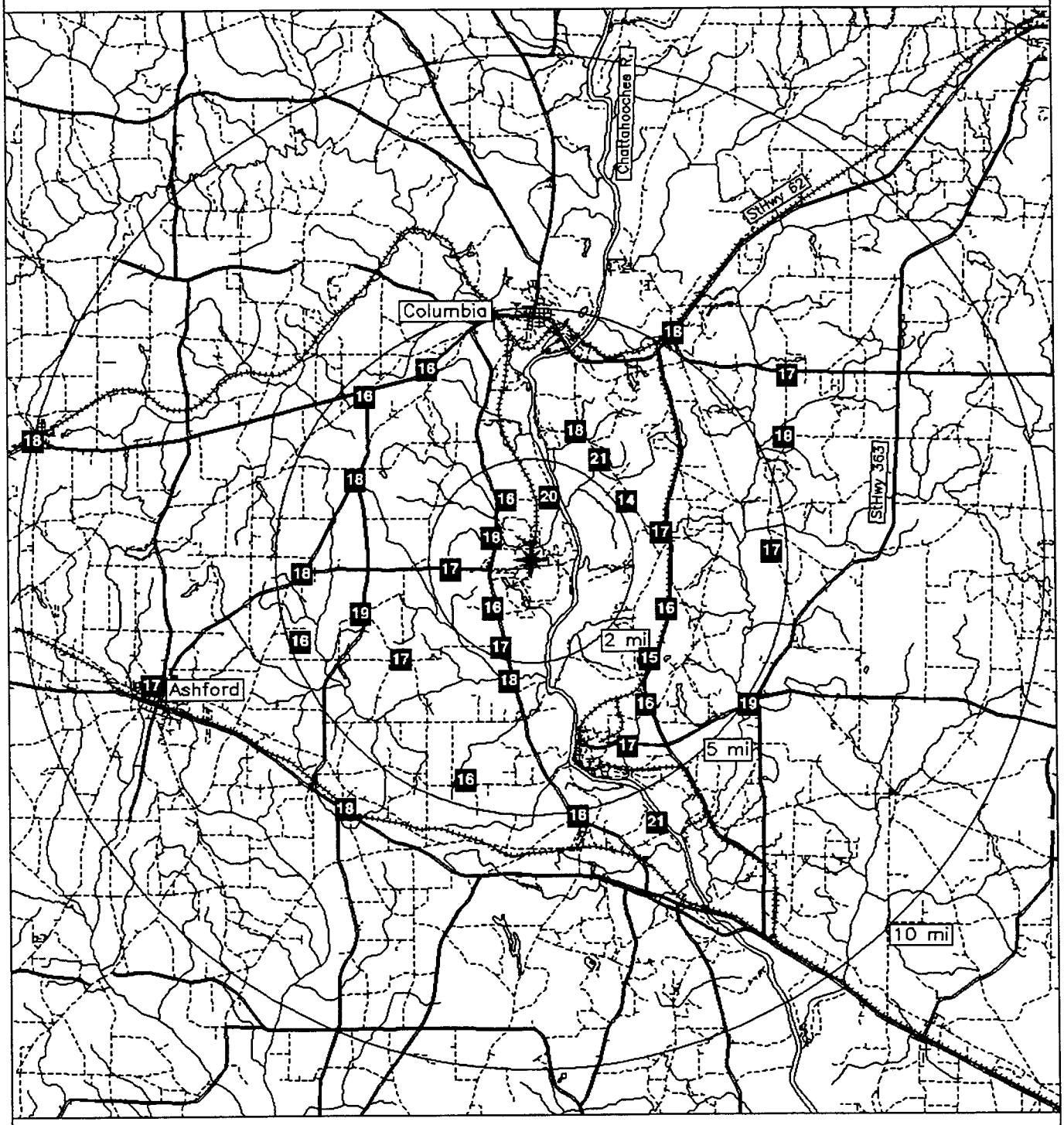
FARLEY
For the period 970909-980126

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	17.0 +- 0.0	1
11.26 - 33.75 NNE	18.9 +- 1.2	3
33.76 - 56.25 NE	18.9 +- 3.1	2
56.26 - 78.75 ENE	16.5 +- 1.8	3
78.76 - 101.25 E	17.4 +- 0.0	1
101.26 - 123.75 ESE	16.3 +- 0.0	1
123.76 - 146.25 SE	16.9 +- 2.1	3
146.26 - 168.75 SSE	19.0 +- 2.5	2
168.76 - 191.25 S	17.3 +- 1.4	2
191.26 - 213.75 SSW	16.4 +- 1.2	2
213.76 - 236.25 SW	17.2 +- 1.2	4
236.26 - 258.75 WSW	17.3 +- 1.5	3
258.76 - 281.25 W	16.3 +- 1.7	3
281.26 - 303.75 WNW	18.1 +- 0.4	2
303.76 - 326.25 NW	16.7 +- 0.4	2
326.26 - 348.75 NNW	16.1 +- 0.3	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	17.4 +- 1.5	9
2 - 5	17.1 +- 1.5	18
> 5	17.5 +- 1.8	9
Upwind Control	18.1 +- 2.6	3

NRC TLD DOSES FOR FARLEY AREA



Miles

0 2 4

Legend

Highways — Railroads ----- Roads ✶ Plant..site

FERMI
TLD Direct Radiation Environmental Monitoring
For the period 970909-980209 154 Days
Field Time: 105 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	38	2.1	19.7 +- 0.6; 2.9	11.4 +- 0.6; 4.0	12.0 +- 2.0
2	22	2.3	22.6 +- 0.7; 3.4	13.9 +- 0.7; 4.2	14.0 +- 1.2
3	350	1.8	31.7 +- 1.0; 4.8	21.7 +- 0.9; 5.1	19.7 +- 1.6
4	345	1.9	24.9 +- 0.7; 3.7	15.9 +- 0.7; 4.4	15.4 +- 1.5
5	346	1.4	24.4 +- 0.7; 3.7	15.5 +- 0.7; 4.4	16.2 +- 1.3
6	310	1.3	26.9 +- 0.8; 4.0	17.6 +- 0.8; 4.6	16.4 +- 1.7
7	298	1.4	26.2 +- 0.8; 3.9	17.0 +- 0.8; 4.6	16.3 +- 1.5
8	277	1.6	26.7 +- 0.8; 4.0	17.4 +- 0.8; 4.6	16.5 +- 0.9
9	238	1.0	23.2 +- 0.7; 3.5	14.4 +- 0.7; 4.3	14.2 +- 1.8
10	225	1.5	23.5 +- 0.7; 3.5	14.7 +- 0.7; 4.3	13.7 +- 1.0
11	193	0.8	25.3 +- 0.8; 3.8	16.2 +- 0.8; 4.5	15.9 +- 1.0
12	183	0.9	26.0 +- 0.8; 3.9	16.9 +- 0.8; 4.5	16.2 +- 1.0
13	175	0.8	25.2 +- 0.8; 3.8	16.2 +- 0.8; 4.5	15.8 +- 0.8
14	260	1.7	28.0 +- 0.8; 4.2	18.6 +- 0.8; 4.7	18.3 +- 1.3
15	245	2.5	23.0 +- 0.7; 3.5	14.3 +- 0.7; 4.3	14.8 +- 1.0
16	236	5.0	25.9 +- 0.8; 3.9	16.8 +- 0.8; 4.5	18.4 +- 1.0
17	225	6.8	20.6 +- 0.6; 3.1	12.2 +- 0.7; 4.1	13.0 +- 1.2
18	250	7.8	24.1 +- 0.7; 3.6	15.2 +- 0.7; 4.4	13.0 +- 1.2
19	277	6.0	22.7 +- 0.7; 3.4	14.0 +- 0.7; 4.2	13.3 +- 1.1
20	297	6.0	24.7 +- 0.7; 3.7	15.7 +- 0.7; 4.4	15.1 +- 1.2
21	320	3.8	22.3 +- 0.7; 3.3	13.7 +- 0.7; 4.2	15.4 +- 1.2
22	340	4.7	25.9 +- 0.8; 3.9	16.7 +- 0.8; 4.5	17.0 +- 1.0
23	358	4.3	26.3 +- 0.8; 3.9	17.1 +- 0.8; 4.6	17.5 +- 1.5
24	23	5.0	28.5 +- 0.9; 4.3	19.0 +- 0.8; 4.8	18.5 +- 1.0
25	25	7.0	22.3 +- 0.7; 3.3	13.7 +- 0.7; 4.2	13.3 +- 1.1
26	0	7.0	22.9 +- 0.7; 3.4	14.2 +- 0.7; 4.3	13.9 +- 1.1
27	342	8.0	24.7 +- 0.7; 3.7	15.7 +- 0.7; 4.4	15.6 +- 1.0
28	320	9.5	23.5 +- 0.7; 3.5	14.7 +- 0.7; 4.3	14.3 +- 0.8
29	290	11.0	25.5 +- 0.8; 3.8	16.4 +- 0.8; 4.5	16.5 +- 1.5
30	270	11.0	29.4 +- 0.9; 4.4	19.8 +- 0.8; 4.9	17.7 +- 1.6
31	245	10.0	23.8 +- 0.7; 3.6	14.9 +- 0.7; 4.3	14.7 +- 1.2
32	220	11.0	24.0 +- 0.7; 3.6	15.1 +- 0.7; 4.4	15.4 +- 1.1
33	270	15.0	24.0 +- 0.7; 3.6	15.1 +- 0.7; 4.4	14.1 +- 1.1
34	270	15.0	23.7 +- 0.7; 3.6	14.9 +- 0.7; 4.3	14.3 +- 1.0
35	290	16.0	24.7 +- 0.7; 3.7	15.7 +- 0.7; 4.4	15.5 +- 0.9
36	350	0.8	21.7 +- 0.6; 3.2	13.1 +- 0.7; 4.1	13.8 +- 2.2
37	330	0.7	24.5 +- 0.7; 3.7	15.5 +- 0.7; 4.4	15.0 +- 0.9
38	310	0.7	24.0 +- 0.7; 3.6	15.1 +- 0.7; 4.4	15.2 +- 1.9
39	23	10.0	22.0 +- 0.7; 3.3	13.4 +- 0.7; 4.2	16.2 +- 2.1
40	0	9.0	29.7 +- 0.9; 4.4	20.0 +- 0.9; 4.9	17.5 +- 1.5
41	348	9.0	24.8 +- 0.7; 3.7	15.8 +- 0.7; 4.4	13.6 +- 0.9

Transit Dose = 6.4 +- 0.5; 3.6

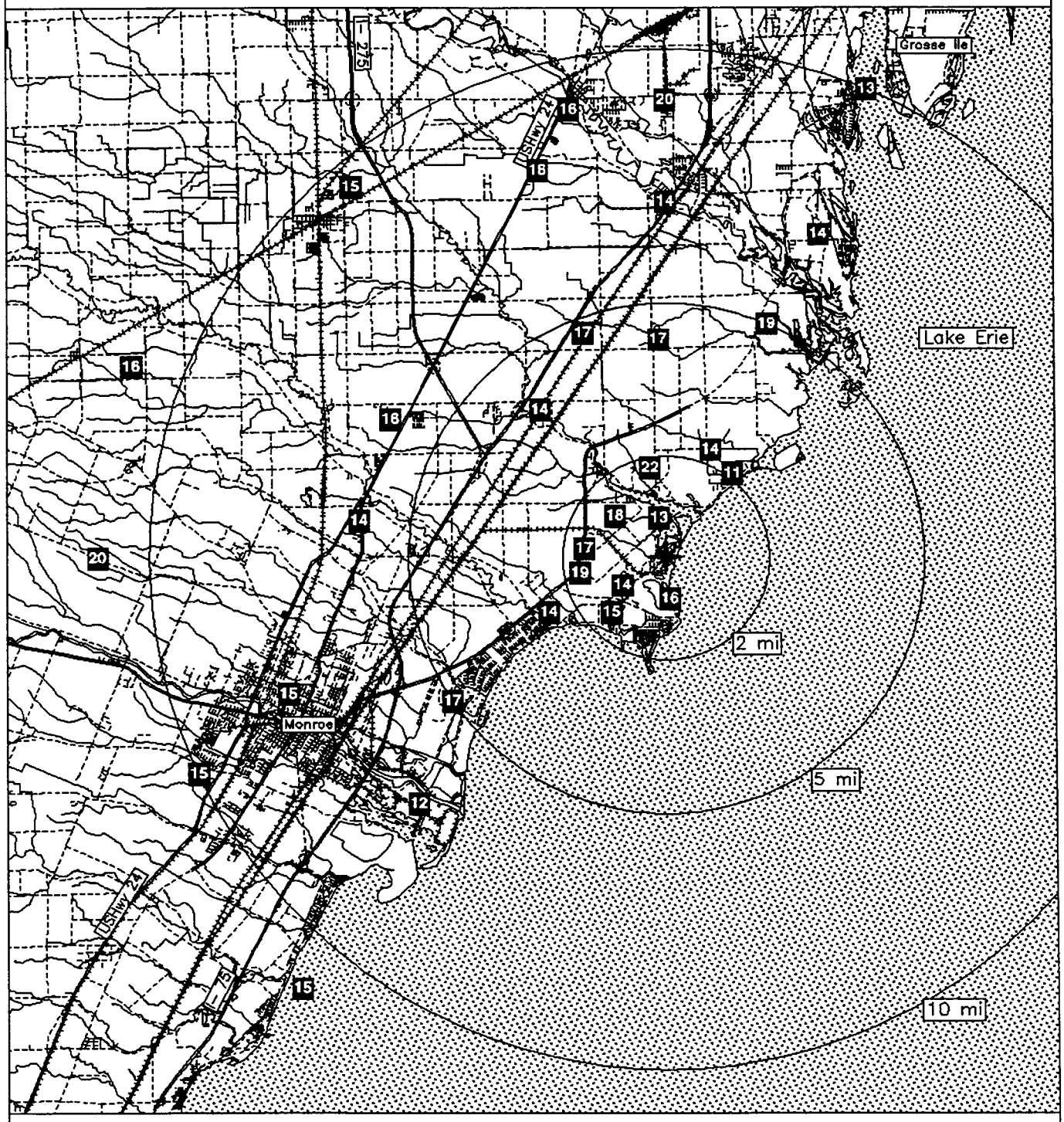
FERMI
For the period 970909-980209

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	17.2 +- 3.7	5
11.26 - 33.75 NNE	15.0 +- 2.7	4
33.76 - 56.25 NE	11.4 +- 0.0	1
56.26 - 78.75 ENE	No Data +- No Data	0
78.76 - 101.25 E	No Data +- No Data	0
101.26 - 123.75 ESE	No Data +- No Data	0
123.76 - 146.25 SE	No Data +- No Data	0
146.26 - 168.75 SSE	No Data +- No Data	0
168.76 - 191.25 S	16.5 +- 0.5	2
191.26 - 213.75 SSW	16.2 +- 0.0	1
213.76 - 236.25 SW	14.7 +- 1.9	4
236.26 - 258.75 WSW	14.7 +- 0.4	4
258.76 - 281.25 W	17.4 +- 2.5	4
281.26 - 303.75 WNW	16.4 +- 0.6	3
303.76 - 326.25 NW	15.3 +- 1.7	4
326.26 - 348.75 NNW	15.9 +- 0.4	6

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	16.4 +- 2.0	15
2 - 5	15.3 +- 2.4	8
> 5	15.4 +- 2.1	15
Upwind Control	15.2 +- 0.4	3

NRC TLD DOSES FOR FERMI AREA



FITZPATRICK/ NINE MI
TLD Direct Radiation Environmental Monitoring
For the period 970911-980205 148 Days
Field Time: 105 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	230	6.9	22.0 +- 0.7; 3.3	15.6 +- 0.7; 4.0	14.5 +- 1.1
2	184	14.0	22.6 +- 0.7; 3.4	16.1 +- 0.7; 4.1	15.5 +- 1.1
3	122	8.4	20.0 +- 0.6; 3.0	13.9 +- 0.6; 3.9	13.9 +- 1.3
4	76	11.0	20.6 +- 0.6; 3.1	14.4 +- 0.6; 3.9	14.8 +- 1.2
5	91	6.8	21.2 +- 0.6; 3.2	14.9 +- 0.6; 4.0	15.1 +- 1.0
6	112	4.3	20.2 +- 0.6; 3.0	14.1 +- 0.6; 3.9	14.8 +- 1.1
7	138	4.3	20.7 +- 0.6; 3.1	14.5 +- 0.6; 3.9	14.7 +- 1.0
8	152	3.6	19.5 +- 0.6; 2.9	13.5 +- 0.6; 3.8	14.5 +- 1.4
9	183	3.9	20.3 +- 0.6; 3.0	14.1 +- 0.6; 3.9	15.0 +- 1.0
10	205	4.5	19.6 +- 0.6; 2.9	13.6 +- 0.6; 3.8	13.9 +- 1.2
11	220	4.4	21.9 +- 0.7; 3.3	15.5 +- 0.6; 4.0	15.2 +- 1.1
12	230	6.1	21.7 +- 0.7; 3.3	15.4 +- 0.6; 4.0	15.2 +- 1.0
13	245	1.8	21.2 +- 0.6; 3.2	15.0 +- 0.6; 4.0	14.9 +- 1.0
14	223	1.8	20.4 +- 0.6; 3.1	14.3 +- 0.6; 3.9	14.4 +- 1.2
15	204	2.0	20.0 +- 0.6; 3.0	13.8 +- 0.6; 3.9	14.1 +- 1.2
16	181	1.8	20.5 +- 0.6; 3.1	14.3 +- 0.6; 3.9	14.5 +- 0.9
17	157	1.9	20.1 +- 0.6; 3.0	14.0 +- 0.6; 3.9	14.5 +- 1.2
18	137	1.6	21.5 +- 0.6; 3.2	15.1 +- 0.6; 4.0	14.4 +- 1.0
19	115	1.2	20.4 +- 0.6; 3.1	14.2 +- 0.6; 3.9	14.4 +- 1.3
20	92	1.1	22.3 +- 0.7; 3.3	15.9 +- 0.7; 4.1	15.0 +- 1.3
21	229	20.0	20.9 +- 0.6; 3.1	14.7 +- 0.6; 3.9	14.6 +- 1.1
22	229	20.0	20.9 +- 0.6; 3.1	14.7 +- 0.6; 3.9	14.3 +- 0.9
23	229	20.0	21.5 +- 0.6; 3.2	15.2 +- 0.6; 4.0	14.5 +- 1.0
24	196	8.0	21.1 +- 0.6; 3.2	14.8 +- 0.6; 3.9	14.2 +- 1.6
25	168	7.2	20.2 +- 0.6; 3.0	14.0 +- 0.6; 3.9	14.1 +- 1.1
26	152	0.6	21.9 +- 0.7; 3.3	15.5 +- 0.6; 4.0	15.7 +- 1.0

Transit Dose = 3.8 +- 0.4; 3.4

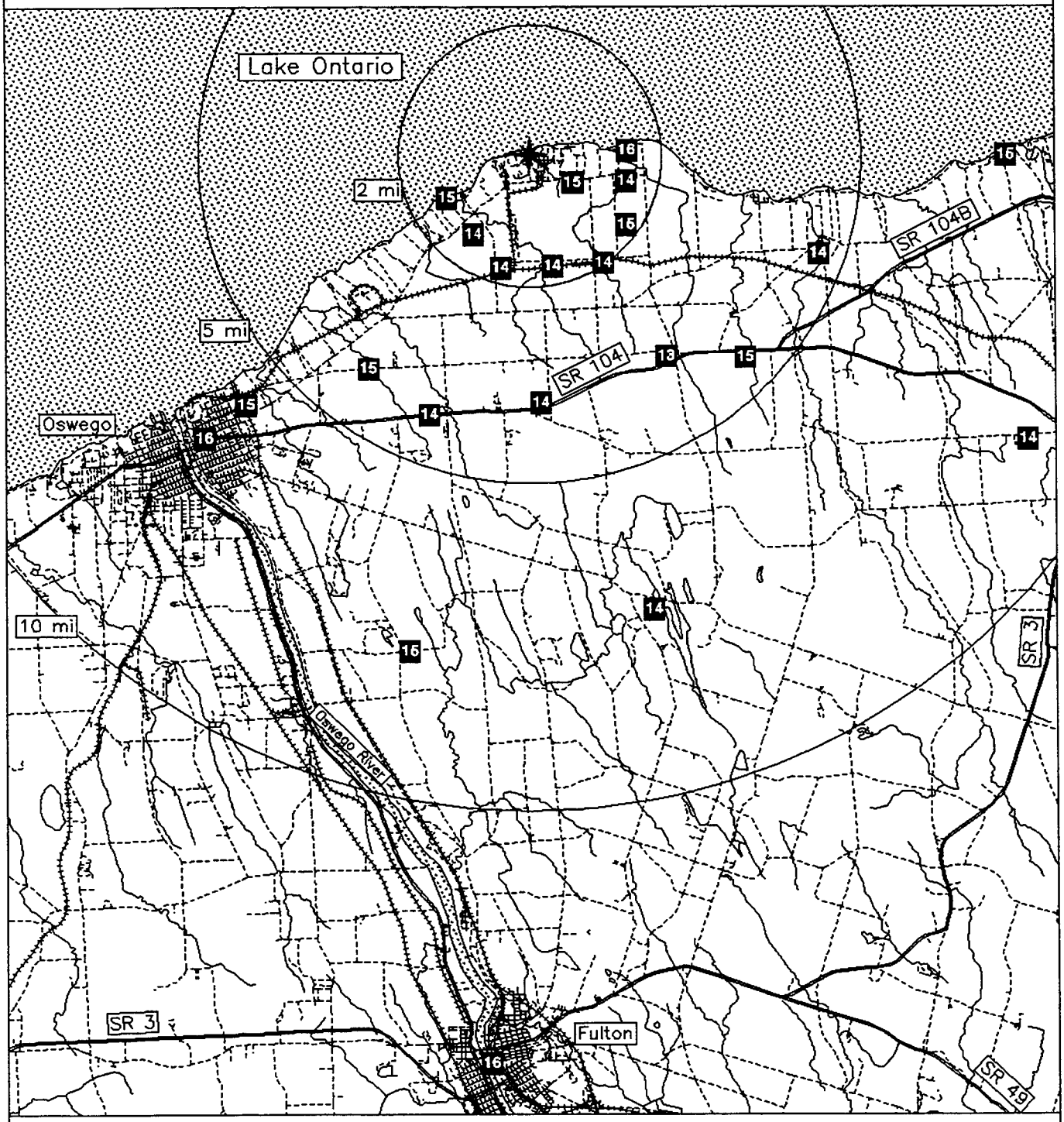
FITZPATRICK/ NINE MI
For the period 970911-980205

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	No Data +- No Data	0
11.26 - 33.75 NNE	No Data +- No Data	0
33.76 - 56.25 NE	No Data +- No Data	0
56.26 - 78.75 ENE	14.4 +- 0.0	1
78.76 - 101.25 E	15.4 +- 0.7	2
101.26 - 123.75 ESE	14.1 +- 0.2	3
123.76 - 146.25 SE	14.8 +- 0.4	2
146.26 - 168.75 SSE	14.2 +- 0.9	4
168.76 - 191.25 S	14.9 +- 1.1	3
191.26 - 213.75 SSW	14.1 +- 0.6	3
213.76 - 236.25 SW	15.2 +- 0.6	4
236.26 - 258.75 WSW	15.0 +- 0.0	1
258.76 - 281.25 W	No Data +- No Data	0
281.26 - 303.75 WNW	No Data +- No Data	0
303.76 - 326.25 NW	No Data +- No Data	0
326.26 - 348.75 NNW	No Data +- No Data	0

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	14.7 +- 0.7	9
2 - 5	14.2 +- 0.7	6
> 5	14.9 +- 0.8	8
Upwind Control	14.8 +- 0.3	3

NRC TLD DOSES FOR FITZPATRICK & NINE MILE PT AREA



FORT CALHOUN
TLD Direct Radiation Environmental Monitoring
For the period 970908-980210 156 Days
Field Time: 91 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	358	2.0	28.1 +- 0.8; 4.2	20.2 +- 0.9; 5.3	18.7 +- 1.4
2	351	4.6	28.4 +- 0.9; 4.3	20.5 +- 1.0; 5.3	19.4 +- 1.5
3	30	2.5	28.9 +- 0.9; 4.3	21.0 +- 1.0; 5.4	19.3 +- 1.7
4	27	4.6	29.7 +- 0.9; 4.5	21.8 +- 1.0; 5.5	19.9 +- 1.6
5	53	1.9	28.0 +- 0.8; 4.2	20.2 +- 0.9; 5.3	19.0 +- 1.7
6	37	3.9	27.9 +- 0.8; 4.2	20.1 +- 0.9; 5.3	19.8 +- 1.5
7	76	2.3	30.6 +- 0.9; 4.6	22.7 +- 1.0; 5.6	20.3 +- 1.7
8	59	5.2	27.7 +- 0.8; 4.2	19.8 +- 0.9; 5.3	18.9 +- 1.7
9	100	2.3	27.3 +- 0.8; 4.1	19.5 +- 0.9; 5.2	17.6 +- 1.7
10	88	5.6	27.7 +- 0.8; 4.2	19.9 +- 0.9; 5.3	19.9 +- 1.6
11	122	2.3	28.6 +- 0.9; 4.3	20.7 +- 1.0; 5.4	19.9 +- 1.8
12	105	5.7	29.0 +- 0.9; 4.3	21.1 +- 1.0; 5.4	19.3 +- 1.8
13	145	1.9	29.4 +- 0.9; 4.4	21.5 +- 1.0; 5.5	20.1 +- 1.6
14	128	5.5	27.9 +- 0.8; 4.2	20.0 +- 0.9; 5.3	19.7 +- 1.5
15	157	1.9	29.2 +- 0.9; 4.4	21.3 +- 1.0; 5.4	20.8 +- 1.5
16	150	4.9	28.6 +- 0.9; 4.3	20.7 +- 1.0; 5.4	20.1 +- 1.4
17	173	0.5	29.0 +- 0.9; 4.3	21.1 +- 1.0; 5.4	19.4 +- 1.8
18	173	5.3	28.4 +- 0.9; 4.3	20.6 +- 1.0; 5.3	20.6 +- 1.5
19	212	2.5	30.9 +- 0.9; 4.6	23.0 +- 1.0; 5.6	22.7 +- 1.7
20	204	5.3	29.7 +- 0.9; 4.5	21.8 +- 1.0; 5.5	21.1 +- 1.5
21	233	2.0	29.8 +- 0.9; 4.5	22.0 +- 1.0; 5.5	21.1 +- 1.7
22	224	4.6	29.0 +- 0.9; 4.3	21.1 +- 1.0; 5.4	21.5 +- 1.6
23	239	0.6	30.2 +- 0.9; 4.5	22.3 +- 1.0; 5.6	20.2 +- 1.9
24	243	6.9	28.5 +- 0.9; 4.3	20.6 +- 1.0; 5.3	18.2 +- 1.6
25	269	3.3	29.2 +- 0.9; 4.4	21.4 +- 1.0; 5.4	21.8 +- 1.7
26	262	5.9	31.1 +- 0.9; 4.7	23.2 +- 1.0; 5.7	22.1 +- 1.5
27	350	3.0	27.1 +- 0.8; 4.1	19.2 +- 0.9; 5.2	18.1 +- 1.8
28	292	5.0	28.9 +- 0.9; 4.3	21.1 +- 1.0; 5.4	20.2 +- 1.6
29	311	2.4	29.1 +- 0.9; 4.4	21.3 +- 1.0; 5.4	20.4 +- 1.6
30	310	5.5	29.8 +- 0.9; 4.5	21.9 +- 1.0; 5.5	20.9 +- 1.4
31	340	2.3	27.9 +- 0.8; 4.2	20.1 +- 0.9; 5.3	19.2 +- 1.4
32	338	5.3	Missing Dosimeter	No Net Data	20.1 +- 1.6
33	182	0.5	28.9 +- 0.9; 4.3	21.1 +- 1.0; 5.4	20.3 +- 2.0
35	127	2.2	28.1 +- 0.8; 4.2	20.2 +- 0.9; 5.3	18.8 +- 1.5
39	150	5.0	28.7 +- 0.9; 4.3	20.9 +- 1.0; 5.4	18.9 +- 1.7
40	73	9.5	29.2 +- 0.9; 4.4	21.3 +- 1.0; 5.4	20.3 +- 1.8
43	29	8.0	27.4 +- 0.8; 4.1	19.5 +- 0.9; 5.2	18.5 +- 1.4
44	65	3.5	25.6 +- 0.8; 3.8	17.8 +- 0.9; 5.0	17.7 +- 1.5
45	182	4.2	28.9 +- 0.9; 4.3	21.0 +- 1.0; 5.4	20.5 +- 1.5
47	298	4.5	28.9 +- 0.9; 4.3	21.0 +- 1.0; 5.4	19.3 +- 1.4
48	13	14.0	28.3 +- 0.8; 4.2	20.4 +- 1.0; 5.3	19.7 +- 1.4
49	207	18.0	29.3 +- 0.9; 4.4	21.5 +- 1.0; 5.4	20.7 +- 1.8

Transit Dose = 7.6 +- 0.5; 3.3

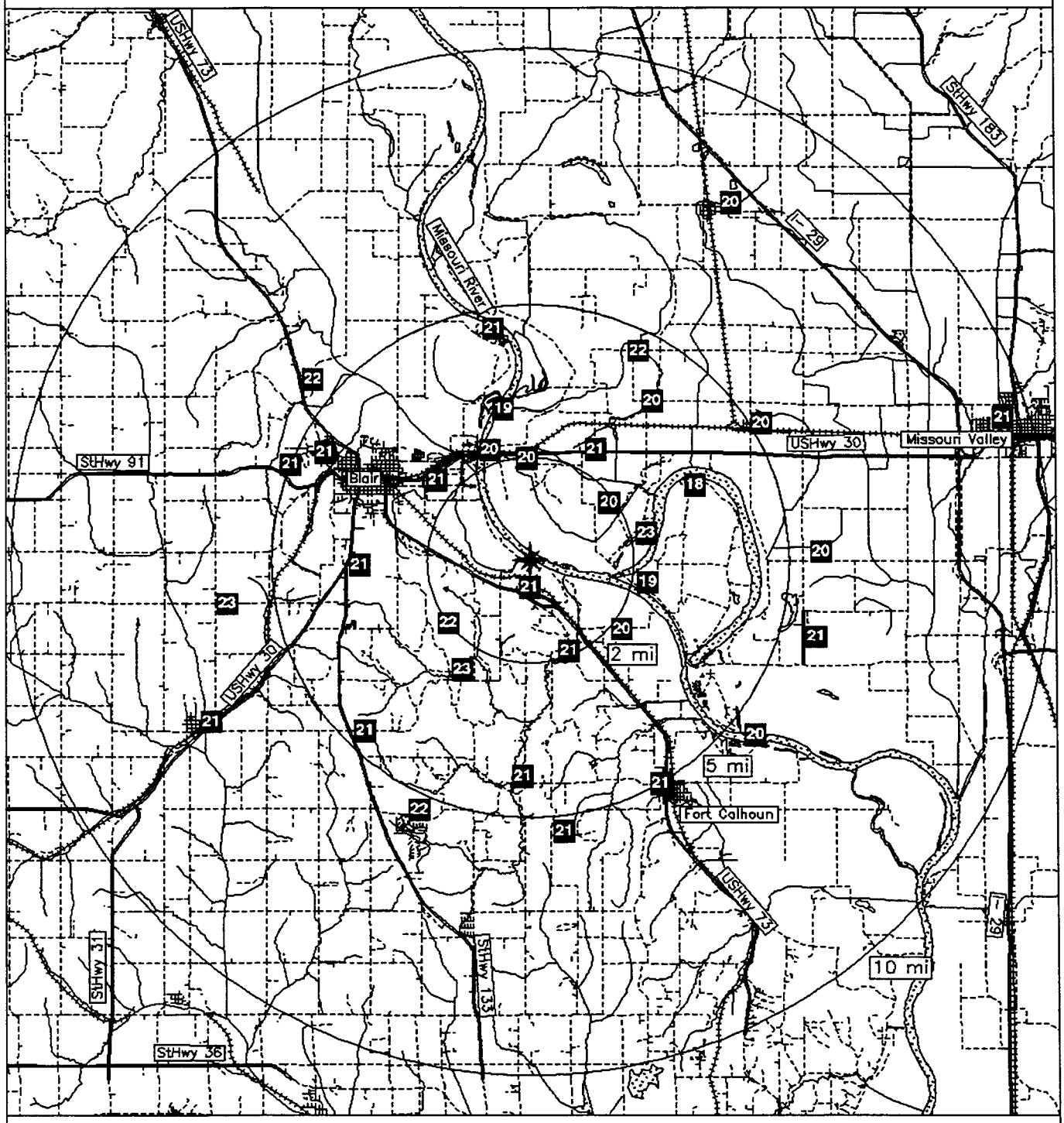
FORT CALHOUN
For the period 970908-980210

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	20.0 +- 0.7	3
11.26 - 33.75 NNE	20.8 +- 1.2	3
33.76 - 56.25 NE	20.1 +- 0.1	2
56.26 - 78.75 ENE	20.4 +- 2.1	4
78.76 - 101.25 E	19.7 +- 0.3	2
101.26 - 123.75 ESE	20.9 +- 0.2	2
123.76 - 146.25 SE	20.6 +- 0.8	3
146.26 - 168.75 SSE	21.0 +- 0.3	3
168.76 - 191.25 S	20.9 +- 0.3	4
191.26 - 213.75 SSW	22.4 +- 0.9	2
213.76 - 236.25 SW	21.5 +- 0.6	2
236.26 - 258.75 WSW	21.5 +- 1.2	2
258.76 - 281.25 W	22.3 +- 1.3	2
281.26 - 303.75 WNW	21.0 +- 0.0	2
303.76 - 326.25 NW	21.6 +- 0.5	2
326.26 - 348.75 NNW	20.0 +- 0.0	1

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	21.2 +- 0.8	8
2 - 5	20.7 +- 1.1	20
> 5	20.9 +- 1.1	11
Upwind Control	20.9 +- 0.7	2

NRC TLD DOSES FOR FORT CALHOUN AREA



Miles

0 2 4

Legend

Water — Railroads — Plant..site

Highways — Roads

FORT ST. VRAIN
TLD Direct Radiation Environmental Monitoring
For the period 970908-980310 184 Days
Field Time: 98 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	8	0.8	49.4 +- 1.5; 7.4	36.4 +- 1.4; 7.6	30.2 +- 2.0
2	2	3.3	51.3 +- 1.5; 7.7	38.2 +- 1.5; 7.9	29.7 +- 2.2
3	29	2.6	50.3 +- 1.5; 7.5	37.2 +- 1.5; 7.7	29.9 +- 1.9
4	17	5.4	49.7 +- 1.5; 7.5	36.7 +- 1.5; 7.7	29.7 +- 1.6
5	54	2.1	49.0 +- 1.5; 7.4	36.0 +- 1.4; 7.6	29.3 +- 2.1
6	48	4.8	50.5 +- 1.5; 7.6	37.4 +- 1.5; 7.7	30.8 +- 1.7
7	76	2.6	50.6 +- 1.5; 7.6	37.5 +- 1.5; 7.8	31.8 +- 2.0
8	58	4.2	51.6 +- 1.5; 7.7	38.4 +- 1.5; 7.9	30.5 +- 1.8
9	100	1.5	49.1 +- 1.5; 7.4	36.1 +- 1.4; 7.6	30.7 +- 1.7
10	87	4.5	47.6 +- 1.4; 7.1	34.8 +- 1.4; 7.4	29.3 +- 1.9
11	118	1.6	51.8 +- 1.6; 7.8	38.6 +- 1.5; 7.9	32.9 +- 1.8
12	104	3.0	50.8 +- 1.5; 7.6	37.6 +- 1.5; 7.8	32.3 +- 1.8
13	143	1.6	51.2 +- 1.5; 7.7	38.1 +- 1.5; 7.8	31.4 +- 2.0
14	128	4.5	48.4 +- 1.5; 7.3	35.4 +- 1.4; 7.5	30.6 +- 1.8
15	168	2.3	49.6 +- 1.5; 7.4	36.6 +- 1.5; 7.6	28.7 +- 2.0
16	148	4.6	48.4 +- 1.5; 7.3	35.5 +- 1.4; 7.5	28.6 +- 1.9
17	182	0.8	52.3 +- 1.6; 7.8	39.1 +- 1.5; 8.0	30.4 +- 2.1
18	175	4.8	47.9 +- 1.4; 7.2	35.0 +- 1.4; 7.4	30.7 +- 2.0
19	210	0.9	50.8 +- 1.5; 7.6	37.7 +- 1.5; 7.8	31.1 +- 1.6
20	200	2.9	48.6 +- 1.5; 7.3	35.7 +- 1.4; 7.5	30.7 +- 2.3
21	234	1.3	49.9 +- 1.5; 7.5	36.9 +- 1.5; 7.7	31.4 +- 2.0
22	216	3.3	49.8 +- 1.5; 7.5	36.7 +- 1.5; 7.7	29.2 +- 1.9
23	254	2.5	49.6 +- 1.5; 7.4	36.6 +- 1.5; 7.6	29.3 +- 2.0
24	244	3.8	49.0 +- 1.5; 7.4	36.0 +- 1.4; 7.6	29.6 +- 2.1
25	278	1.5	46.7 +- 1.4; 7.0	33.9 +- 1.4; 7.3	28.6 +- 1.9
26	263	5.4	49.2 +- 1.5; 7.4	36.2 +- 1.4; 7.6	30.1 +- 2.4
27	297	1.7	47.9 +- 1.4; 7.2	35.0 +- 1.4; 7.4	28.6 +- 1.9
28	284	5.6	48.8 +- 1.5; 7.3	35.9 +- 1.4; 7.5	29.6 +- 1.8
29	317	0.9	47.3 +- 1.4; 7.1	34.5 +- 1.4; 7.4	28.8 +- 1.9
30	305	4.2	43.9 +- 1.3; 6.6	31.3 +- 1.3; 6.9	26.9 +- 1.8
31	338	1.4	48.4 +- 1.5; 7.3	35.5 +- 1.4; 7.5	29.0 +- 2.1
32	330	5.0	45.7 +- 1.4; 6.9	33.0 +- 1.4; 7.2	26.5 +- 2.1
33	267	6.5	47.4 +- 1.4; 7.1	34.6 +- 1.4; 7.4	28.4 +- 2.6
34	130	3.7	45.6 +- 1.4; 6.8	32.9 +- 1.4; 7.2	28.7 +- 2.0
35	270	0.1	47.4 +- 1.4; 7.1	34.5 +- 1.4; 7.4	28.5 +- 1.9
38	345	6.7	52.6 +- 1.6; 7.9	39.3 +- 1.5; 8.0	30.8 +- 1.9
39	10	6.0	46.3 +- 1.4; 6.9	33.6 +- 1.4; 7.2	28.3 +- 2.1
40	63	6.0	46.8 +- 1.4; 7.0	34.0 +- 1.4; 7.3	28.3 +- 2.1
41	165	12.0	53.6 +- 1.6; 8.0	40.2 +- 1.6; 8.1	31.9 +- 1.8
42	248	13.0	52.9 +- 1.6; 7.9	39.6 +- 1.5; 8.1	33.1 +- 2.5
45	198	11.0	49.9 +- 1.5; 7.5	36.9 +- 1.5; 7.7	30.4 +- 2.0
46	39	16.0	47.7 +- 1.4; 7.1	34.8 +- 1.4; 7.4	27.6 +- 1.9
47	357	17.0	44.8 +- 1.3; 6.7	32.1 +- 1.3; 7.1	26.8 +- 1.8
48	171	18.0	49.5 +- 1.5; 7.4	36.5 +- 1.4; 7.6	30.7 +- 2.1
49	360	0.5	50.7 +- 1.5; 7.6	37.6 +- 1.5; 7.8	32.1 +- 2.0

Transit Dose = 9.8 +- 0.5; 3.7

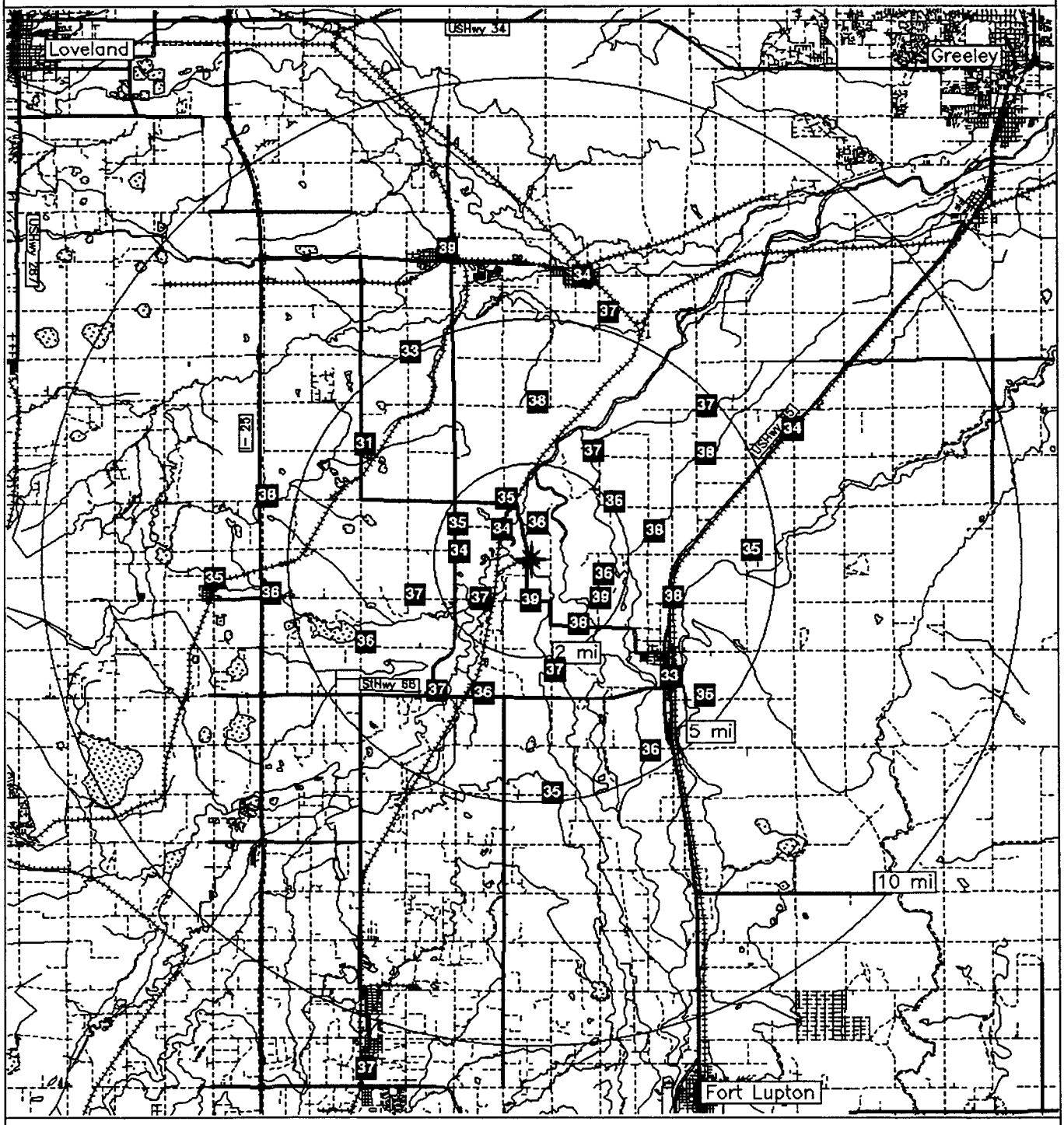
FORT ST. VRAIN
For the period 970908-980310

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	36.1 +- 2.3	3
11.26 - 33.75 NNE	36.9 +- 0.4	2
33.76 - 56.25 NE	36.1 +- 1.3	3
56.26 - 78.75 ENE	36.6 +- 2.3	3
78.76 - 101.25 E	35.4 +- 1.0	2
101.26 - 123.75 ESE	38.1 +- 0.6	2
123.76 - 146.25 SE	35.5 +- 2.6	3
146.26 - 168.75 SSE	37.4 +- 2.5	3
168.76 - 191.25 S	37.0 +- 2.9	2
191.26 - 213.75 SSW	36.7 +- 1.0	3
213.76 - 236.25 SW	36.8 +- 0.1	2
236.26 - 258.75 WSW	37.4 +- 1.9	3
258.76 - 281.25 W	34.8 +- 1.0	4
281.26 - 303.75 WNW	35.4 +- 0.6	2
303.76 - 326.25 NW	32.9 +- 2.2	2
326.26 - 348.75 NNW	35.9 +- 3.2	3

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	36.4 +- 1.7	12
2 - 5	35.9 +- 1.9	19
> 5	36.5 +- 2.3	11
Upwind Control	35.4 +- 2.9	3

NRC TLD DOSES FOR FORT ST. VRAIN AREA



Miles

0 2 4

Legend

Water — Railroads — Plant..site

Highways — Roads — TLD..data

GINNA
TLD Direct Radiation Environmental Monitoring
For the period 970911-980205 148 Days
Field Time: 105 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	95	1.7	20.1 +- 0.6; 3.0	13.1 +- 0.6; 3.9	14.7 +- 0.9
2	108	1.1	20.7 +- 0.6; 3.1	13.6 +- 0.6; 4.0	14.2 +- 1.1
3	142	1.7	19.8 +- 0.6; 3.0	12.8 +- 0.6; 3.9	14.1 +- 1.0
4	154	1.5	19.6 +- 0.6; 2.9	12.6 +- 0.6; 3.9	14.7 +- 1.1
5	174	1.4	21.0 +- 0.6; 3.2	13.8 +- 0.6; 4.0	15.1 +- 1.3
6	212	1.6	19.9 +- 0.6; 3.0	12.8 +- 0.6; 3.9	13.8 +- 1.1
7	244	0.9	20.0 +- 0.6; 3.0	13.0 +- 0.6; 3.9	13.8 +- 0.9
8	230	0.6	20.7 +- 0.6; 3.1	13.6 +- 0.6; 4.0	14.7 +- 1.6
10	266	1.5	21.7 +- 0.6; 3.2	14.4 +- 0.7; 4.1	14.4 +- 1.1
11	264	4.6	22.6 +- 0.7; 3.4	15.2 +- 0.7; 4.1	15.7 +- 1.1
12	245	3.8	19.0 +- 0.6; 2.8	12.1 +- 0.6; 3.8	14.2 +- 1.1
13	235	4.2	19.4 +- 0.6; 2.9	12.4 +- 0.6; 3.9	13.6 +- 1.2
14	200	3.8	18.6 +- 0.6; 2.8	11.7 +- 0.6; 3.8	13.3 +- 1.3
15	178	3.4	21.4 +- 0.6; 3.2	14.2 +- 0.7; 4.0	14.8 +- 1.3
16	160	3.7	19.0 +- 0.6; 2.9	12.1 +- 0.6; 3.8	13.3 +- 1.3
17	134	3.8	17.7 +- 0.5; 2.6	10.9 +- 0.6; 3.7	13.3 +- 1.5
18	115	4.3	19.7 +- 0.6; 3.0	12.7 +- 0.6; 3.9	14.3 +- 1.5
19	88	4.0	19.4 +- 0.6; 2.9	12.5 +- 0.6; 3.9	13.2 +- 1.3
20	90	6.2	19.4 +- 0.6; 2.9	12.5 +- 0.6; 3.9	13.0 +- 1.1
21	123	7.6	19.3 +- 0.6; 2.9	12.4 +- 0.6; 3.9	12.9 +- 1.3
22	151	11.0	20.0 +- 0.6; 3.0	12.9 +- 0.6; 3.9	13.4 +- 1.1
23	105	12.0	19.7 +- 0.6; 2.9	12.7 +- 0.6; 3.9	13.9 +- 1.2
24	212	14.0	26.2 +- 0.8; 3.9	18.3 +- 0.8; 4.5	18.1 +- 1.0
25	223	13.0	19.9 +- 0.6; 3.0	12.8 +- 0.6; 3.9	13.7 +- 1.4
26	242	16.0	22.4 +- 0.7; 3.4	15.0 +- 0.7; 4.1	15.8 +- 1.0
27	254	14.0	22.6 +- 0.7; 3.4	15.2 +- 0.7; 4.1	15.3 +- 1.3
28	234	6.9	20.7 +- 0.6; 3.1	13.5 +- 0.6; 4.0	14.0 +- 0.9
29	185	0.3	21.8 +- 0.7; 3.3	14.5 +- 0.7; 4.1	15.4 +- 1.0
30	264	15.0	20.2 +- 0.6; 3.0	13.1 +- 0.6; 3.9	13.5 +- 1.2

Transit Dose = 4.9 +- 0.4; 3.4

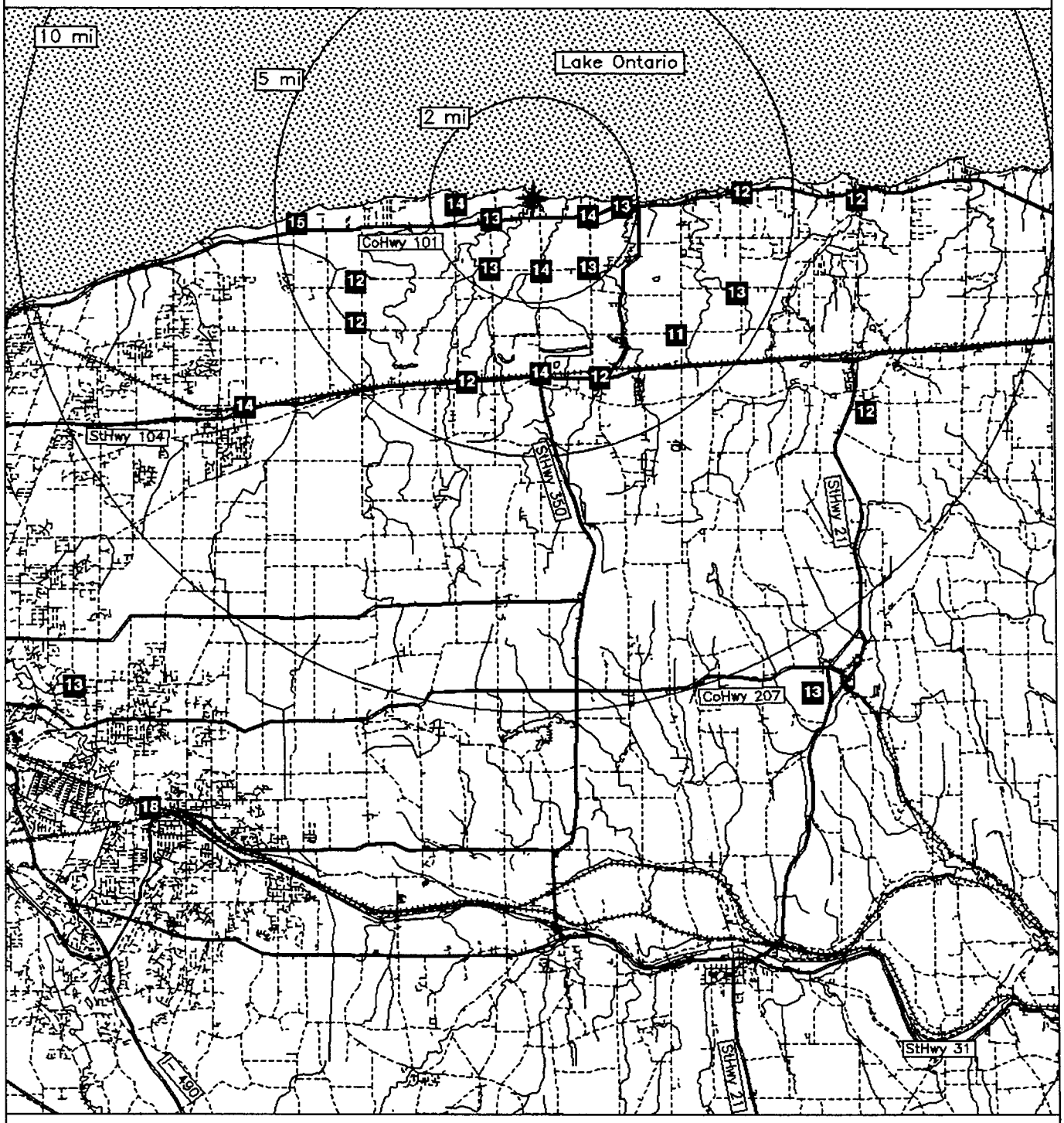
GINNA
For the period 970911-980205

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	No Data +- No Data	0
11.26 - 33.75 NNE	No Data +- No Data	0
33.76 - 56.25 NE	No Data +- No Data	0
56.26 - 78.75 ENE	No Data +- No Data	0
78.76 - 101.25 E	12.7 +- 0.3	3
101.26 - 123.75 ESE	12.8 +- 0.5	4
123.76 - 146.25 SE	11.9 +- 1.3	2
146.26 - 168.75 SSE	12.6 +- 0.4	3
168.76 - 191.25 S	14.2 +- 0.3	3
191.26 - 213.75 SSW	14.3 +- 3.5	3
213.76 - 236.25 SW	13.1 +- 0.6	4
236.26 - 258.75 WSW	12.5 +- 0.6	2
258.76 - 281.25 W	14.8 +- 0.6	2
281.26 - 303.75 WNW	No Data +- No Data	0
303.76 - 326.25 NW	No Data +- No Data	0
326.26 - 348.75 NNW	No Data +- No Data	0

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	13.4 +- 0.7	10
2 - 5	12.6 +- 1.3	9
> 5	13.6 +- 2.1	7
Upwind Control	14.4 +- 1.2	3

NRC TLD DOSES FOR GINNA AREA



Miles

0 2 4

Legend

Water
Highways
Railroads
Roads
Plant..site

GRAND GULF
TLD Direct Radiation Environmental Monitoring
For the period 970910-980126 139 Days
Field Time: 92 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	337	2.0	18.7 +- 0.6; 2.8	13.8 +- 0.7; 4.1	15.9 +- 1.9
2	351	1.6	20.4 +- 0.6; 3.1	15.4 +- 0.7; 4.2	15.2 +- 1.0
3	20	1.5	21.7 +- 0.7; 3.3	16.7 +- 0.7; 4.4	17.6 +- 1.3
4	51	2.3	Missing Dosimeter	No Net Data	17.0 +- 1.1
5	68	2.7	22.2 +- 0.7; 3.3	17.2 +- 0.7; 4.4	17.9 +- 1.4
6	47	4.1	20.4 +- 0.6; 3.1	15.4 +- 0.7; 4.2	16.0 +- 1.3
7	68	4.9	23.2 +- 0.7; 3.5	18.1 +- 0.8; 4.5	19.1 +- 1.2
8	91	3.2	23.7 +- 0.7; 3.6	18.6 +- 0.8; 4.6	19.1 +- 1.1
9	81	1.0	23.0 +- 0.7; 3.4	17.9 +- 0.8; 4.5	17.8 +- 1.0
10	109	0.6	21.8 +- 0.7; 3.3	16.8 +- 0.7; 4.4	19.1 +- 1.1
11	139	0.8	21.4 +- 0.6; 3.2	16.4 +- 0.7; 4.3	19.1 +- 1.3
12	185	1.6	23.7 +- 0.7; 3.6	18.6 +- 0.8; 4.6	18.2 +- 0.9
13	207	1.9	24.3 +- 0.7; 3.6	19.2 +- 0.8; 4.6	19.2 +- 0.8
14	247	1.5	21.0 +- 0.6; 3.2	16.0 +- 0.7; 4.3	17.2 +- 2.5
15	130	4.2	23.4 +- 0.7; 3.5	18.4 +- 0.8; 4.6	18.5 +- 1.0
16	122	4.8	23.5 +- 0.7; 3.5	18.4 +- 0.8; 4.6	18.3 +- 1.1
17	135	5.3	21.8 +- 0.7; 3.3	16.8 +- 0.7; 4.4	17.2 +- 0.9
18	147	4.3	20.5 +- 0.6; 3.1	15.6 +- 0.7; 4.2	15.4 +- 0.9
19	224	6.8	22.8 +- 0.7; 3.4	17.8 +- 0.8; 4.5	18.6 +- 1.1
20	172	3.6	21.5 +- 0.6; 3.2	16.5 +- 0.7; 4.3	16.6 +- 0.8
21	291	12.0	21.6 +- 0.6; 3.2	16.6 +- 0.7; 4.4	17.0 +- 0.9
22	332	8.0	24.5 +- 0.7; 3.7	19.4 +- 0.8; 4.7	19.4 +- 1.1
23	310	7.9	19.2 +- 0.6; 2.9	14.3 +- 0.7; 4.1	15.4 +- 2.8
24	281	7.0	21.1 +- 0.6; 3.2	16.1 +- 0.7; 4.3	16.6 +- 1.0
25	291	4.8	23.5 +- 0.7; 3.5	18.5 +- 0.8; 4.6	18.2 +- 1.0
26	248	9.5	22.1 +- 0.7; 3.3	17.1 +- 0.7; 4.4	16.8 +- 1.0
27	239	13.0	21.4 +- 0.6; 3.2	16.4 +- 0.7; 4.3	16.3 +- 1.1
29	90	0.9	21.9 +- 0.7; 3.3	16.8 +- 0.7; 4.4	17.8 +- 0.9
30	67	51.0	18.4 +- 0.6; 2.8	13.5 +- 0.6; 4.0	13.9 +- 1.4
31	67	51.0	18.9 +- 0.6; 2.8	14.0 +- 0.7; 4.1	14.6 +- 1.3
32	67	51.0	18.9 +- 0.6; 2.8	14.0 +- 0.7; 4.1	14.0 +- 1.4
33	206	4.8	23.1 +- 0.7; 3.5	18.1 +- 0.8; 4.5	18.4 +- 1.0

Transit Dose = 4.6 +- 0.4; 3.1

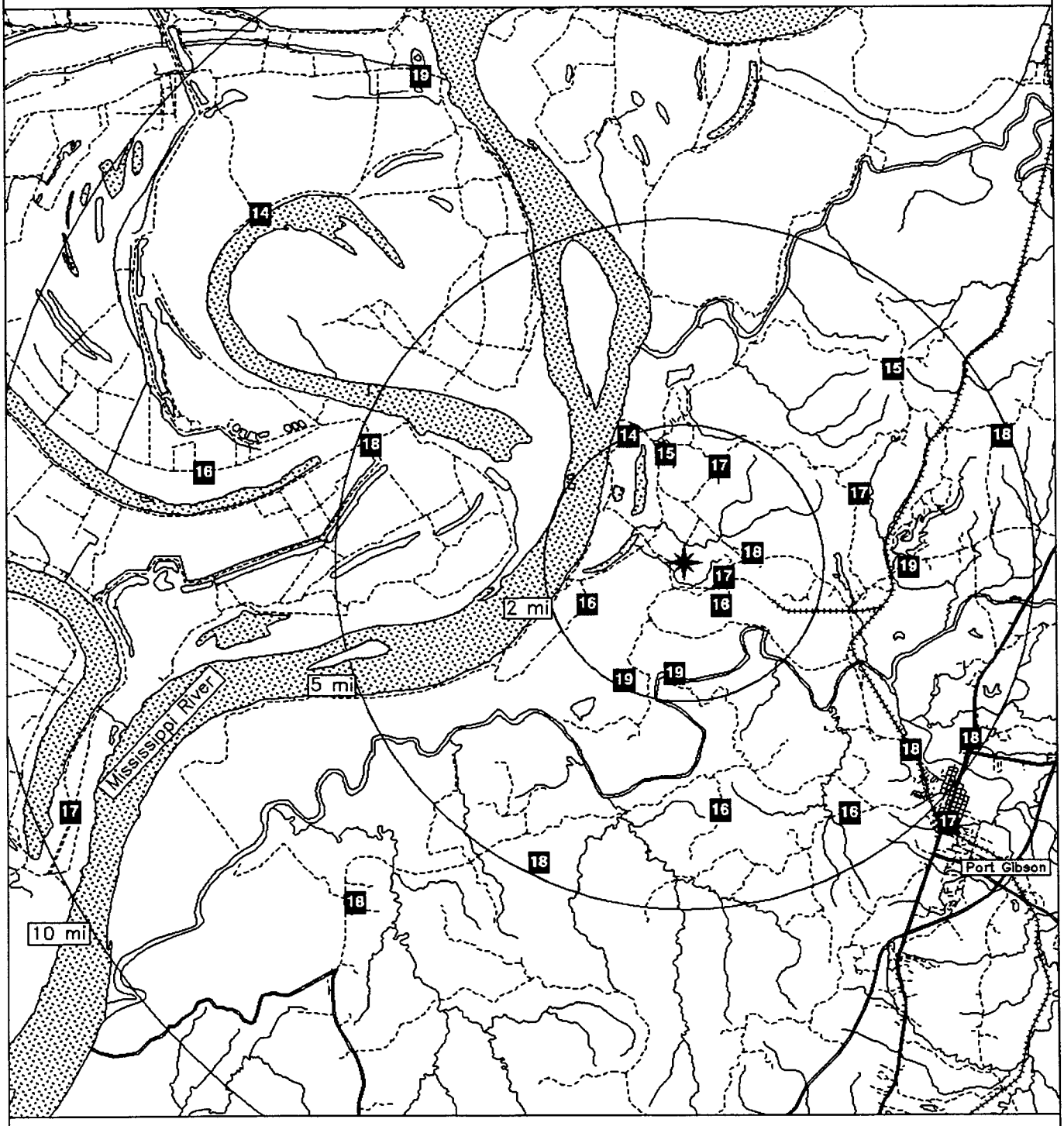
GRAND GULF
For the period 970910-980126

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	15.4 +- 0.0	1
11.26 - 33.75 NNE	16.7 +- 0.0	1
33.76 - 56.25 NE	15.4 +- 0.0	1
56.26 - 78.75 ENE	17.7 +- 0.7	2
78.76 - 101.25 E	17.8 +- 0.9	3
101.26 - 123.75 ESE	17.6 +- 1.1	2
123.76 - 146.25 SE	17.2 +- 1.0	3
146.26 - 168.75 SSE	15.6 +- 0.0	1
168.76 - 191.25 S	17.6 +- 1.5	2
191.26 - 213.75 SSW	18.7 +- 0.8	2
213.76 - 236.25 SW	17.8 +- 0.0	1
236.26 - 258.75 WSW	16.5 +- 0.6	3
258.76 - 281.25 W	16.1 +- 0.0	1
281.26 - 303.75 WNW	17.5 +- 1.3	2
303.76 - 326.25 NW	14.3 +- 0.0	1
326.26 - 348.75 NNW	16.6 +- 4.0	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	16.8 +- 1.6	10
2 - 5	17.5 +- 1.2	10
> 5	16.8 +- 1.5	8
Upwind Control	13.8 +- 0.3	3

NRC TLD DOSES FOR GRAND GULF AREA



HADDAM NECK
TLD Direct Radiation Environmental Monitoring
For the period 970910-980310 182 Days
Field Time: 100 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
2	17	2.6	30.4 +- 0.9; 4.6	22.6 +- 0.9; 5.1	19.1 +- 1.4
3	45	1.9	Missing Dosimeter	No Net Data	19.3 +- 1.4
4	67	2.3	30.1 +- 0.9; 4.5	22.3 +- 0.9; 5.1	18.2 +- 1.4
5	93	1.6	Missing Dosimeter	No Net Data	16.5 +- 1.2
6	115	2.3	27.4 +- 0.8; 4.1	19.9 +- 0.8; 4.8	16.0 +- 1.2
7	143	1.9	29.5 +- 0.9; 4.4	21.8 +- 0.9; 5.0	18.1 +- 1.3
8	165	0.9	28.7 +- 0.9; 4.3	21.1 +- 0.9; 4.9	16.8 +- 1.2
9	174	1.3	30.6 +- 0.9; 4.6	22.8 +- 0.9; 5.1	18.8 +- 1.4
10	195	0.7	29.9 +- 0.9; 4.5	22.2 +- 0.9; 5.0	16.6 +- 1.2
12	241	0.8	29.3 +- 0.9; 4.4	21.7 +- 0.9; 5.0	17.5 +- 1.3
13	263	0.8	27.9 +- 0.8; 4.2	20.4 +- 0.8; 4.8	16.5 +- 1.3
14	290	1.9	30.1 +- 0.9; 4.5	22.4 +- 0.9; 5.1	18.2 +- 1.2
15	311	1.5	26.4 +- 0.8; 4.0	19.0 +- 0.8; 4.7	15.9 +- 1.2
16	341	1.3	27.0 +- 0.8; 4.0	19.5 +- 0.8; 4.7	16.9 +- 1.1
17	360	2.3	28.6 +- 0.9; 4.3	21.0 +- 0.9; 4.9	19.4 +- 1.4
18	222	2.5	27.9 +- 0.8; 4.2	20.4 +- 0.8; 4.8	16.4 +- 1.1
19	269	3.0	25.3 +- 0.8; 3.8	18.0 +- 0.8; 4.5	16.1 +- 1.3
20	66	3.2	29.3 +- 0.9; 4.4	21.6 +- 0.9; 5.0	16.9 +- 1.2
21	91	2.8	30.1 +- 0.9; 4.5	22.4 +- 0.9; 5.1	18.4 +- 1.2
22	112	3.2	29.0 +- 0.9; 4.4	21.4 +- 0.9; 4.9	17.5 +- 1.5
23	137	2.9	27.9 +- 0.8; 4.2	20.4 +- 0.8; 4.8	17.2 +- 1.4
24	155	7.1	28.7 +- 0.9; 4.3	21.1 +- 0.9; 4.9	16.1 +- 1.2
25	175	5.7	27.0 +- 0.8; 4.0	19.5 +- 0.8; 4.7	16.5 +- 1.2
26	196	2.5	26.9 +- 0.8; 4.0	19.5 +- 0.8; 4.7	15.7 +- 1.2
27	225	1.1	29.0 +- 0.9; 4.3	21.3 +- 0.9; 4.9	17.7 +- 1.2
28	250	3.5	27.5 +- 0.8; 4.1	20.0 +- 0.8; 4.8	17.7 +- 2.0
29	340	20.0	29.4 +- 0.9; 4.4	21.7 +- 0.9; 5.0	19.0 +- 2.3
30	286	3.2	27.5 +- 0.8; 4.1	20.0 +- 0.8; 4.8	16.4 +- 1.1
31	322	2.7	29.4 +- 0.9; 4.4	21.7 +- 0.9; 5.0	17.5 +- 1.3
32	327	2.9	31.4 +- 0.9; 4.7	23.5 +- 0.9; 5.2	19.5 +- 1.0
33	359	6.4	28.3 +- 0.8; 4.2	20.7 +- 0.8; 4.9	16.4 +- 1.2
35	54	10.0	28.9 +- 0.9; 4.3	21.3 +- 0.9; 4.9	17.3 +- 1.4
36	72	8.8	30.1 +- 0.9; 4.5	22.4 +- 0.9; 5.1	19.2 +- 1.4
37	149	6.8	26.7 +- 0.8; 4.0	19.3 +- 0.8; 4.7	15.8 +- 1.1
38	158	5.9	28.4 +- 0.9; 4.3	20.8 +- 0.8; 4.9	15.5 +- 1.3
39	267	8.8	26.5 +- 0.8; 4.0	19.1 +- 0.8; 4.7	16.7 +- 1.2
40	303	9.1	29.6 +- 0.9; 4.4	21.9 +- 0.9; 5.0	18.1 +- 1.2
41	313	9.6	28.4 +- 0.9; 4.3	20.8 +- 0.8; 4.9	16.8 +- 1.2
42	320	13.0	Missing Dosimeter	No Net Data	18.5 +- 1.3
43	324	18.0	26.7 +- 0.8; 4.0	19.3 +- 0.8; 4.7	16.1 +- 1.0
44	328	15.0	29.3 +- 0.9; 4.4	21.6 +- 0.9; 5.0	18.0 +- 1.6
45	343	18.0	29.5 +- 0.9; 4.4	21.9 +- 0.9; 5.0	18.8 +- 1.5
46	144	5.0	30.9 +- 0.9; 4.6	23.1 +- 0.9; 5.1	18.3 +- 1.4
49	340	20.0	30.6 +- 0.9; 4.6	22.8 +- 0.9; 5.1	18.4 +- 1.4

Transit Dose = 5.3 +- 0.4; 3.3

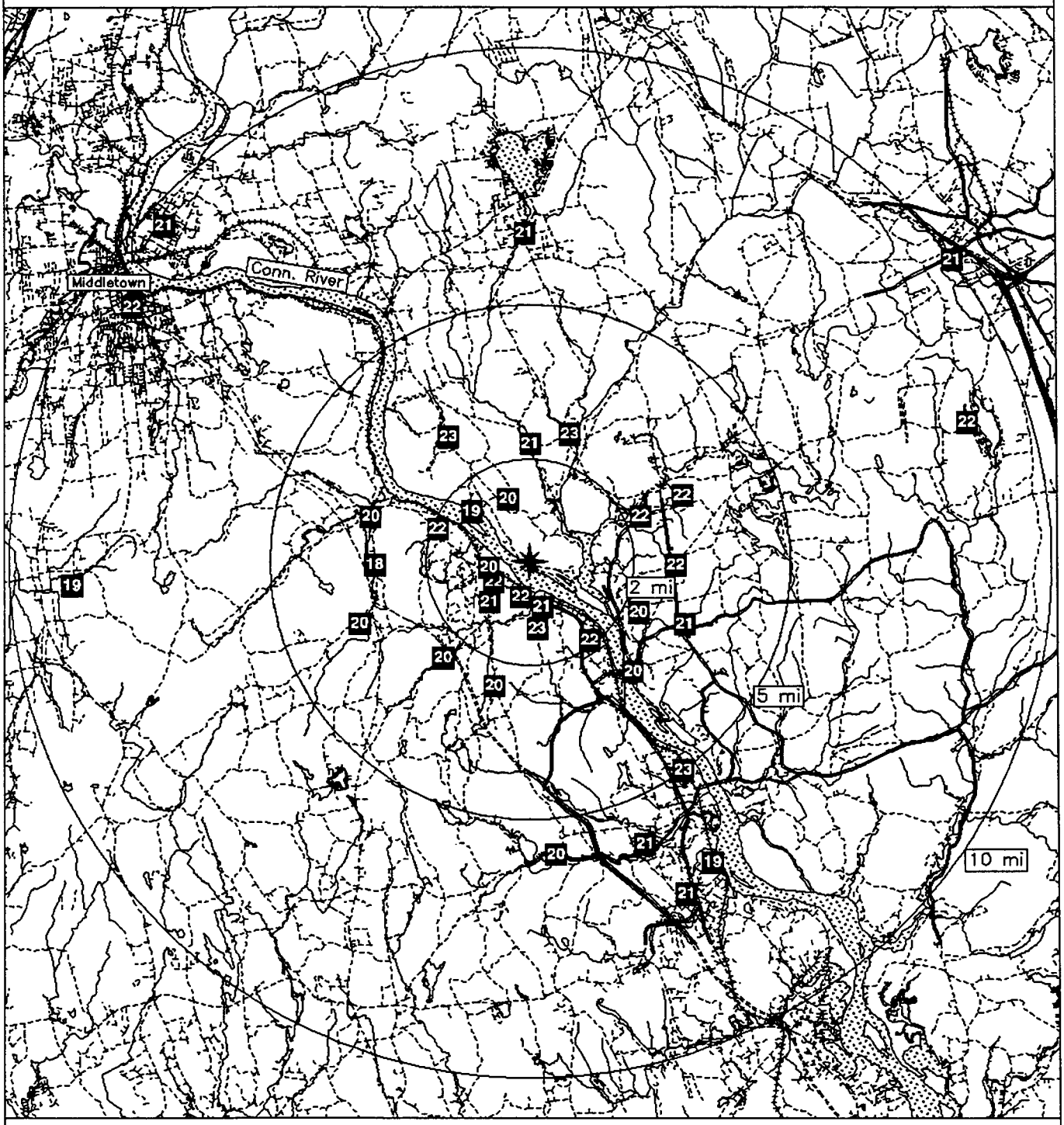
HADDAM NECK
For the period 970910-980310

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	20.9 +- 0.2	2
11.26 - 33.75 NNE	22.6 +- 0.0	1
33.76 - 56.25 NE	21.3 +- 0.0	1
56.26 - 78.75 ENE	22.1 +- 0.4	3
78.76 - 101.25 E	22.4 +- 0.0	1
101.26 - 123.75 ESE	20.7 +- 1.0	2
123.76 - 146.25 SE	21.8 +- 1.3	3
146.26 - 168.75 SSE	20.6 +- 0.9	4
168.76 - 191.25 S	21.2 +- 2.3	2
191.26 - 213.75 SSW	20.9 +- 1.9	2
213.76 - 236.25 SW	20.9 +- 0.7	2
236.26 - 258.75 WSW	20.8 +- 1.2	2
258.76 - 281.25 W	19.2 +- 1.2	3
281.26 - 303.75 WNW	21.4 +- 1.2	3
303.76 - 326.25 NW	20.2 +- 1.3	4
326.26 - 348.75 NNW	21.6 +- 1.4	5

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	21.2 +- 1.2	10
2 - 5	21.1 +- 1.5	16
> 5	20.8 +- 1.1	14
Upwind Control	22.8 +- 0.0	1

NRC TLD DOSES FOR HADDAM NECK AREA



Miles

0 2 4

Legend

Water
Railroads
Plant..site
Highways
Roads

HARRIS
TLD Direct Radiation Environmental Monitoring
For the period 970910-980211 155 Days
Field Time: 106 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	36	2.6	25.2 +- 0.8; 3.8	17.5 +- 0.7; 4.3	16.3 +- 2.0
2	25	3.2	21.0 +- 0.6; 3.1	13.9 +- 0.6; 4.0	14.5 +- 1.6
3	5	2.5	24.1 +- 0.7; 3.6	16.6 +- 0.7; 4.2	16.2 +- 1.8
4	27	1.5	22.0 +- 0.7; 3.3	14.8 +- 0.7; 4.1	16.6 +- 2.4
5	36	0.9	20.8 +- 0.6; 3.1	13.8 +- 0.6; 3.9	13.7 +- 1.6
6	68	0.8	19.2 +- 0.6; 2.9	12.4 +- 0.6; 3.8	12.5 +- 1.5
7	98	0.7	21.3 +- 0.6; 3.2	14.2 +- 0.6; 4.0	14.9 +- 1.5
8	232	0.7	19.6 +- 0.6; 2.9	12.8 +- 0.6; 3.8	13.7 +- 1.5
9	190	0.8	19.2 +- 0.6; 2.9	12.4 +- 0.6; 3.8	12.3 +- 1.4
10	158	0.7	20.1 +- 0.6; 3.0	13.2 +- 0.6; 3.9	13.3 +- 1.8
11	42	4.7	26.0 +- 0.8; 3.9	18.2 +- 0.7; 4.4	18.5 +- 2.4
12	40	8.6	23.2 +- 0.7; 3.5	15.8 +- 0.7; 4.2	16.1 +- 1.6
13	298	13.0	24.7 +- 0.7; 3.7	17.1 +- 0.7; 4.3	14.4 +- 2.0
14	298	12.0	19.5 +- 0.6; 2.9	12.7 +- 0.6; 3.8	13.9 +- 1.7
15	298	11.0	19.1 +- 0.6; 2.9	12.4 +- 0.6; 3.8	12.7 +- 1.6
16	332	4.8	22.5 +- 0.7; 3.4	15.2 +- 0.7; 4.1	14.2 +- 2.0
17	291	4.5	18.5 +- 0.6; 2.8	11.8 +- 0.6; 3.8	11.5 +- 2.2
18	270	5.1	19.1 +- 0.6; 2.9	12.4 +- 0.6; 3.8	13.5 +- 2.1
19	240	5.1	23.5 +- 0.7; 3.5	16.1 +- 0.7; 4.2	16.3 +- 2.0
20	227	4.8	19.4 +- 0.6; 2.9	12.6 +- 0.6; 3.8	12.5 +- 1.4
21	208	4.8	18.2 +- 0.5; 2.7	11.5 +- 0.6; 3.7	12.1 +- 1.5
22	190	4.6	19.9 +- 0.6; 3.0	13.0 +- 0.6; 3.9	13.8 +- 1.6
23	151	4.8	21.5 +- 0.6; 3.2	14.4 +- 0.6; 4.0	13.6 +- 2.1
24	132	4.7	20.6 +- 0.6; 3.1	13.6 +- 0.6; 3.9	13.3 +- 1.8
25	112	5.0	21.8 +- 0.7; 3.3	14.6 +- 0.7; 4.0	15.3 +- 2.1
26	92	4.6	19.5 +- 0.6; 2.9	12.7 +- 0.6; 3.8	12.3 +- 1.6
27	115	2.8	18.6 +- 0.6; 2.8	11.9 +- 0.6; 3.8	13.5 +- 1.9
28	135	2.3	Missing Dosimeter	No Net Data	11.2 +- 1.7
29	164	2.2	19.0 +- 0.6; 2.9	12.3 +- 0.6; 3.8	14.2 +- 2.2
30	49	2.2	19.4 +- 0.6; 2.9	12.6 +- 0.6; 3.8	13.6 +- 1.7
31	276	1.8	19.1 +- 0.6; 2.9	12.3 +- 0.6; 3.8	13.5 +- 1.8
32	292	1.7	22.2 +- 0.7; 3.3	15.0 +- 0.7; 4.1	16.7 +- 2.0
33	314	1.4	21.2 +- 0.6; 3.2	14.1 +- 0.6; 4.0	15.7 +- 1.9
34	329	1.3	20.8 +- 0.6; 3.1	13.8 +- 0.6; 3.9	16.0 +- 2.1
35	350	4.5	21.7 +- 0.7; 3.3	14.6 +- 0.6; 4.0	15.5 +- 1.7
36	338	4.4	22.4 +- 0.7; 3.4	15.2 +- 0.7; 4.1	15.5 +- 3.3
37	16	4.9	20.9 +- 0.6; 3.1	13.9 +- 0.6; 4.0	14.5 +- 3.0
38	68	4.8	18.7 +- 0.6; 2.8	12.0 +- 0.6; 3.8	12.0 +- 1.5
39	80	6.9	22.3 +- 0.7; 3.3	15.1 +- 0.7; 4.1	14.4 +- 1.2
40	80	6.9	21.5 +- 0.6; 3.2	14.4 +- 0.6; 4.0	13.3 +- 2.0
41	118	9.7	26.1 +- 0.8; 3.9	18.2 +- 0.7; 4.4	18.7 +- 1.7
42	260	1.1	20.6 +- 0.6; 3.1	13.6 +- 0.6; 3.9	13.6 +- 1.7
43	333	1.7	22.4 +- 0.7; 3.4	15.1 +- 0.7; 4.1	15.3 +- 2.4
44	50	24.0	26.9 +- 0.8; 4.0	19.0 +- 0.8; 4.5	19.8 +- 2.1

Transit Dose = 4.6 +- 0.4; 3.4

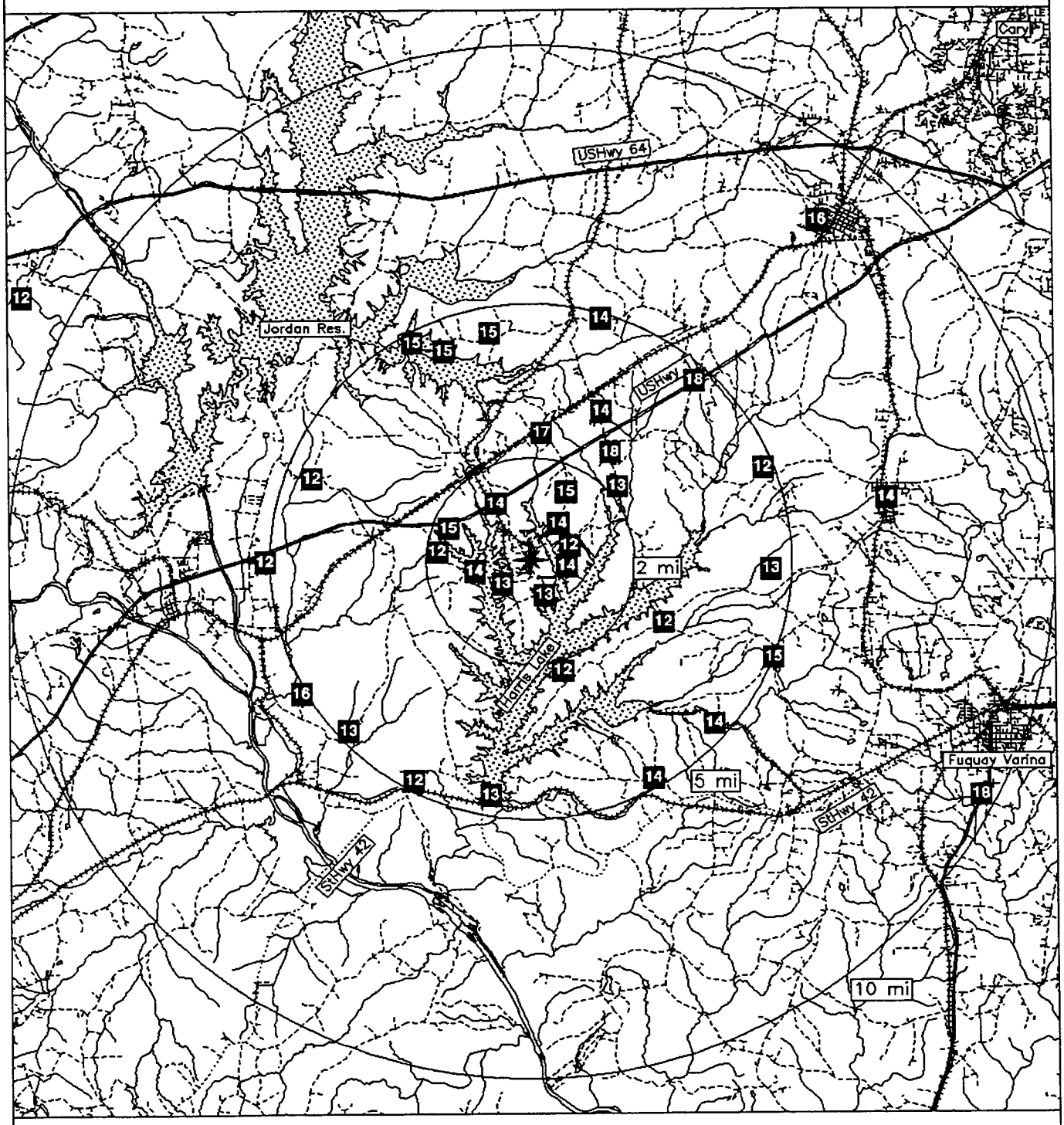
HARRIS
For the period 970910-980211

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	15.6 +- 1.4	2
11.26 - 33.75 NNE	14.2 +- 0.5	3
33.76 - 56.25 NE	16.1 +- 2.6	6
56.26 - 78.75 ENE	12.2 +- 0.3	2
78.76 - 101.25 E	14.1 +- 1.0	4
101.26 - 123.75 ESE	14.9 +- 3.2	3
123.76 - 146.25 SE	13.6 +- 0.0	1
146.26 - 168.75 SSE	13.3 +- 1.1	3
168.76 - 191.25 S	12.7 +- 0.4	2
191.26 - 213.75 SSW	11.5 +- 0.0	1
213.76 - 236.25 SW	12.7 +- 0.2	2
236.26 - 258.75 WSW	16.1 +- 0.0	1
258.76 - 281.25 W	12.7 +- 0.7	3
281.26 - 303.75 WNW	13.4 +- 2.3	2
303.76 - 326.25 NW	14.1 +- 0.0	1
326.26 - 348.75 NNW	14.8 +- 0.7	4

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	13.6 +- 1.0	13
2 - 5	13.9 +- 1.9	20
> 5	15.8 +- 2.3	7
Upwind Control	14.1 +- 2.7	3

NRC TLD DOSES FOR HARRIS AREA



Miles

0 2 4

Legend

Water
Highways
Railroads
Roads
Plant..site

HATCH
TLD Direct Radiation Environmental Monitoring
For the period 970909-980209 154 Days
Field Time: 92 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)	Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	342 23.0	21.6 +- 0.6; 3.2	14.9 +- 0.8; 4.5	16.5 +- 1.8
2	359 7.7	20.4 +- 0.6; 3.1	13.7 +- 0.7; 4.3	14.4 +- 1.8
3	354 4.5	20.0 +- 0.6; 3.0	13.3 +- 0.7; 4.3	14.6 +- 1.9
4	336 2.9	18.1 +- 0.5; 2.7	11.5 +- 0.7; 4.1	13.1 +- 1.8
5	309 4.6	19.2 +- 0.6; 2.9	12.5 +- 0.7; 4.2	13.7 +- 1.9
6	297 5.6	21.6 +- 0.6; 3.2	14.9 +- 0.8; 4.5	15.8 +- 1.9
7	24 2.8	20.4 +- 0.6; 3.1	13.7 +- 0.7; 4.3	14.2 +- 2.1
8	49 2.0	20.3 +- 0.6; 3.1	13.6 +- 0.7; 4.3	14.1 +- 1.8
9	49 10.0	18.9 +- 0.6; 2.8	12.2 +- 0.7; 4.2	13.6 +- 1.8
10	28 4.8	19.0 +- 0.6; 2.9	12.3 +- 0.7; 4.2	14.2 +- 1.7
11	67 5.0	19.9 +- 0.6; 3.0	13.2 +- 0.7; 4.3	14.3 +- 1.7
12	50 5.1	23.5 +- 0.7; 3.5	16.7 +- 0.8; 4.7	18.2 +- 2.0
13	353 2.0	18.7 +- 0.6; 2.8	12.0 +- 0.7; 4.2	12.7 +- 1.5
14	341 1.6	20.1 +- 0.6; 3.0	13.4 +- 0.7; 4.3	14.7 +- 1.9
15	147 10.0	17.4 +- 0.5; 2.6	10.8 +- 0.7; 4.1	13.0 +- 1.7
16	232 0.9	19.4 +- 0.6; 2.9	12.7 +- 0.7; 4.2	13.2 +- 1.8
17	205 1.6	19.4 +- 0.6; 2.9	12.7 +- 0.7; 4.2	14.5 +- 1.8
18	192 4.2	19.5 +- 0.6; 2.9	12.8 +- 0.7; 4.3	11.5 +- 1.6
19	184 4.2	17.7 +- 0.5; 2.6	11.0 +- 0.7; 4.1	11.6 +- 1.9
20	165 4.6	18.3 +- 0.5; 2.7	11.6 +- 0.7; 4.1	12.3 +- 1.8
21	135 4.4	18.0 +- 0.5; 2.7	11.4 +- 0.7; 4.1	12.8 +- 1.6
22	120 4.1	18.2 +- 0.5; 2.7	11.5 +- 0.7; 4.1	13.8 +- 1.8
23	107 3.7	17.8 +- 0.5; 2.7	11.2 +- 0.7; 4.1	13.1 +- 1.9
24	123 14.0	18.3 +- 0.5; 2.7	11.6 +- 0.7; 4.1	12.3 +- 1.7
25	114 12.0	19.1 +- 0.6; 2.9	12.4 +- 0.7; 4.2	13.5 +- 1.7
26	142 1.8	19.3 +- 0.6; 2.9	12.6 +- 0.7; 4.2	14.3 +- 1.7
27	157 2.2	19.0 +- 0.6; 2.8	12.3 +- 0.7; 4.2	13.2 +- 1.7
28	171 0.9	20.8 +- 0.6; 3.1	14.1 +- 0.7; 4.4	14.5 +- 1.7
29	253 1.0	19.2 +- 0.6; 2.9	12.5 +- 0.7; 4.2	13.4 +- 1.7
30	270 1.0	20.2 +- 0.6; 3.0	13.5 +- 0.7; 4.3	15.3 +- 2.5
31	292 1.1	18.4 +- 0.6; 2.8	11.8 +- 0.7; 4.2	13.7 +- 1.9
32	268 4.2	20.0 +- 0.6; 3.0	13.3 +- 0.7; 4.3	13.7 +- 1.5
33	248 4.3	17.7 +- 0.5; 2.7	11.0 +- 0.7; 4.1	12.2 +- 1.8
34	216 4.1	17.6 +- 0.5; 2.6	10.9 +- 0.7; 4.1	11.7 +- 1.9
35	234 12.0	20.7 +- 0.6; 3.1	14.0 +- 0.7; 4.4	14.3 +- 2.2
36	182 10.0	16.2 +- 0.5; 2.4	9.6 +- 0.6; 3.9	12.6 +- 2.7
37	177 10.0	16.9 +- 0.5; 2.5	10.2 +- 0.6; 4.0	12.6 +- 1.7
38	323 12.0	20.4 +- 0.6; 3.1	13.7 +- 0.7; 4.3	15.1 +- 1.7
39	321 13.0	20.5 +- 0.6; 3.1	13.8 +- 0.7; 4.4	15.3 +- 1.9
40	323 12.0	20.5 +- 0.6; 3.1	13.8 +- 0.7; 4.4	15.2 +- 1.9

Transit Dose = 6.4 +- 0.4; 3.2

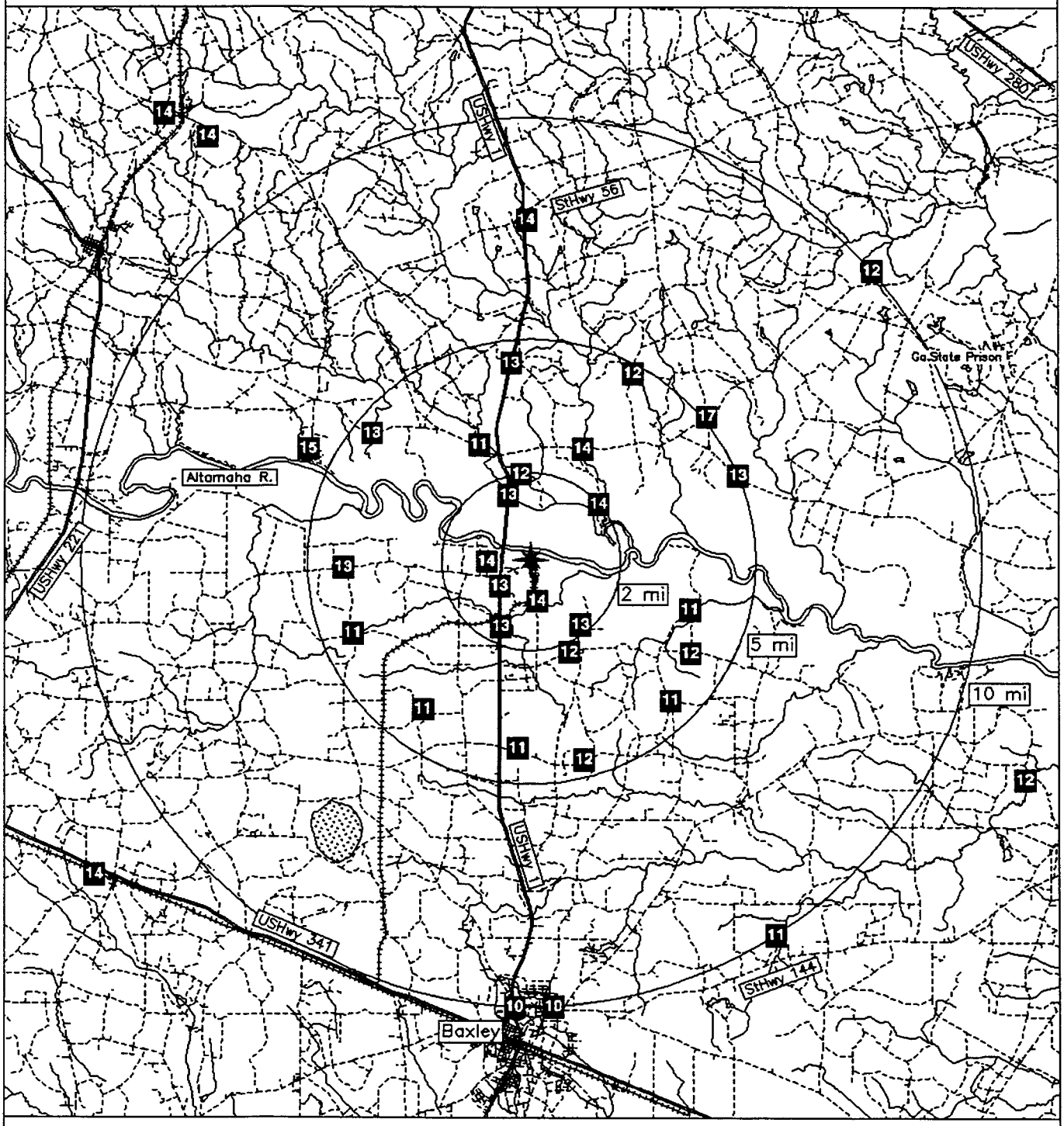
HATCH
For the period 970909-980209

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	13.0 +- 0.9	3
11.26 - 33.75 NNE	13.0 +- 1.0	2
33.76 - 56.25 NE	14.2 +- 2.3	3
56.26 - 78.75 ENE	13.2 +- 0.0	1
78.76 - 101.25 E	No Data +- No Data	0
101.26 - 123.75 ESE	11.7 +- 0.5	4
123.76 - 146.25 SE	12.0 +- 0.9	2
146.26 - 168.75 SSE	11.6 +- 0.8	3
168.76 - 191.25 S	11.2 +- 2.0	4
191.26 - 213.75 SSW	12.8 +- 0.1	2
213.76 - 236.25 SW	12.5 +- 1.5	3
236.26 - 258.75 WSW	11.8 +- 1.1	2
258.76 - 281.25 W	13.4 +- 0.1	2
281.26 - 303.75 WNW	13.3 +- 2.2	2
303.76 - 326.25 NW	12.5 +- 0.0	1
326.26 - 348.75 NNW	13.3 +- 1.7	3

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	12.9 +- 0.7	10
2 - 5	12.1 +- 1.0	16
> 5	12.8 +- 2.2	11
Upwind Control	13.7 +- 0.1	3

NRC TLD DOSES FOR HATCH AREA



Miles

0 2 4

Legend

Water
Railroads
Plant..site
Highways
Roads

INDIAN POINT
TLD Direct Radiation Environmental Monitoring
For the period 970911-980205 148 Days
Field Time: 94 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	52	1.4	19.1 +- 0.6; 2.9	12.8 +- 0.7; 4.1	12.3 +- 1.2
2	53	1.0	20.3 +- 0.6; 3.1	14.0 +- 0.7; 4.2	14.2 +- 1.1
3	61	1.5	21.8 +- 0.7; 3.3	15.4 +- 0.7; 4.4	15.1 +- 1.0
4	89	1.2	23.0 +- 0.7; 3.5	16.6 +- 0.8; 4.5	15.4 +- 1.1
5	107	0.9	22.1 +- 0.7; 3.3	15.7 +- 0.7; 4.4	15.2 +- 1.1
6	90	0.5	21.0 +- 0.6; 3.2	14.7 +- 0.7; 4.3	15.4 +- 1.2
7	133	0.8	20.7 +- 0.6; 3.1	14.3 +- 0.7; 4.3	14.6 +- 1.2
8	158	0.8	21.8 +- 0.7; 3.3	15.4 +- 0.7; 4.4	15.9 +- 1.1
9	188	1.2	Missing Dosimeter	No Net Data	16.1 +- 1.2
10	206	0.9	20.6 +- 0.6; 3.1	14.2 +- 0.7; 4.3	14.8 +- 1.4
11	170	1.1	20.1 +- 0.6; 3.0	13.7 +- 0.7; 4.2	13.5 +- 1.0
12	155	2.3	21.2 +- 0.6; 3.2	14.9 +- 0.7; 4.3	14.6 +- 1.1
13	136	3.2	22.1 +- 0.7; 3.3	15.7 +- 0.7; 4.4	15.1 +- 1.1
14	107	3.1	21.1 +- 0.6; 3.2	14.7 +- 0.7; 4.3	13.8 +- 1.1
15	94	3.8	20.7 +- 0.6; 3.1	14.3 +- 0.7; 4.3	14.4 +- 1.0
16	142	5.7	21.2 +- 0.6; 3.2	14.8 +- 0.7; 4.3	15.9 +- 1.0
18	147	9.1	23.1 +- 0.7; 3.5	16.6 +- 0.8; 4.5	16.2 +- 1.0
19	137	12.0	20.5 +- 0.6; 3.1	14.1 +- 0.7; 4.3	14.1 +- 1.4
20	129	12.0	20.9 +- 0.6; 3.1	14.6 +- 0.7; 4.3	14.5 +- 1.1
22	74	7.5	20.8 +- 0.6; 3.1	14.4 +- 0.7; 4.3	15.2 +- 1.1
23	5	100.0	24.5 +- 0.7; 3.7	18.0 +- 0.8; 4.7	16.8 +- 1.3
24	5	100.0	24.5 +- 0.7; 3.7	18.0 +- 0.8; 4.7	16.6 +- 1.3
25	65	4.1	20.9 +- 0.6; 3.1	14.5 +- 0.7; 4.3	14.3 +- 1.2
26	40	4.0	23.5 +- 0.7; 3.5	17.1 +- 0.8; 4.6	17.7 +- 1.2
27	25	5.3	23.3 +- 0.7; 3.5	16.8 +- 0.8; 4.5	16.5 +- 1.1
28	24	2.9	21.9 +- 0.7; 3.3	15.5 +- 0.7; 4.4	15.3 +- 1.2
29	22	2.1	22.0 +- 0.7; 3.3	15.6 +- 0.7; 4.4	15.4 +- 1.1
30	8	1.9	Missing Dosimeter	No Net Data	16.7 +- 1.3
31	356	5.0	21.4 +- 0.6; 3.2	15.0 +- 0.7; 4.3	15.3 +- 1.2
32	330	3.7	20.8 +- 0.6; 3.1	14.5 +- 0.7; 4.3	16.0 +- 1.8
33	338	4.7	23.6 +- 0.7; 3.5	17.1 +- 0.8; 4.6	16.9 +- 1.4
34	354	7.0	25.3 +- 0.8; 3.8	18.8 +- 0.8; 4.8	18.9 +- 3.0
35	297	4.4	22.4 +- 0.7; 3.4	15.9 +- 0.8; 4.4	15.9 +- 1.3
36	309	3.6	26.4 +- 0.8; 4.0	19.8 +- 0.9; 4.9	21.7 +- 5.2
37	350	1.1	22.6 +- 0.7; 3.4	16.1 +- 0.8; 4.5	16.5 +- 1.1
38	337	0.9	22.4 +- 0.7; 3.4	15.9 +- 0.8; 4.4	16.4 +- 1.5
39	315	1.0	20.6 +- 0.6; 3.1	14.2 +- 0.7; 4.3	15.0 +- 1.1
40	294	1.1	23.9 +- 0.7; 3.6	17.4 +- 0.8; 4.6	16.6 +- 1.3
41	274	1.1	24.3 +- 0.7; 3.6	17.8 +- 0.8; 4.7	18.6 +- 2.0
42	248	1.5	23.1 +- 0.7; 3.5	16.6 +- 0.8; 4.5	17.0 +- 2.0
44	5	100.0	24.6 +- 0.7; 3.7	18.0 +- 0.8; 4.7	16.7 +- 1.5
45	227	2.4	21.8 +- 0.7; 3.3	15.4 +- 0.7; 4.4	16.0 +- 1.9
46	209	3.2	20.0 +- 0.6; 3.0	13.6 +- 0.7; 4.2	14.3 +- 1.8
47	218	5.3	21.6 +- 0.6; 3.2	15.2 +- 0.7; 4.4	15.0 +- 1.8
48	201	4.6	22.1 +- 0.7; 3.3	15.7 +- 0.7; 4.4	16.0 +- 1.3
49	187	5.2	19.9 +- 0.6; 3.0	13.6 +- 0.7; 4.2	13.6 +- 1.6
50	171	7.1	20.3 +- 0.6; 3.0	14.0 +- 0.7; 4.2	14.3 +- 1.3

Transit Dose = 5.7 +- 0.4; 3.2

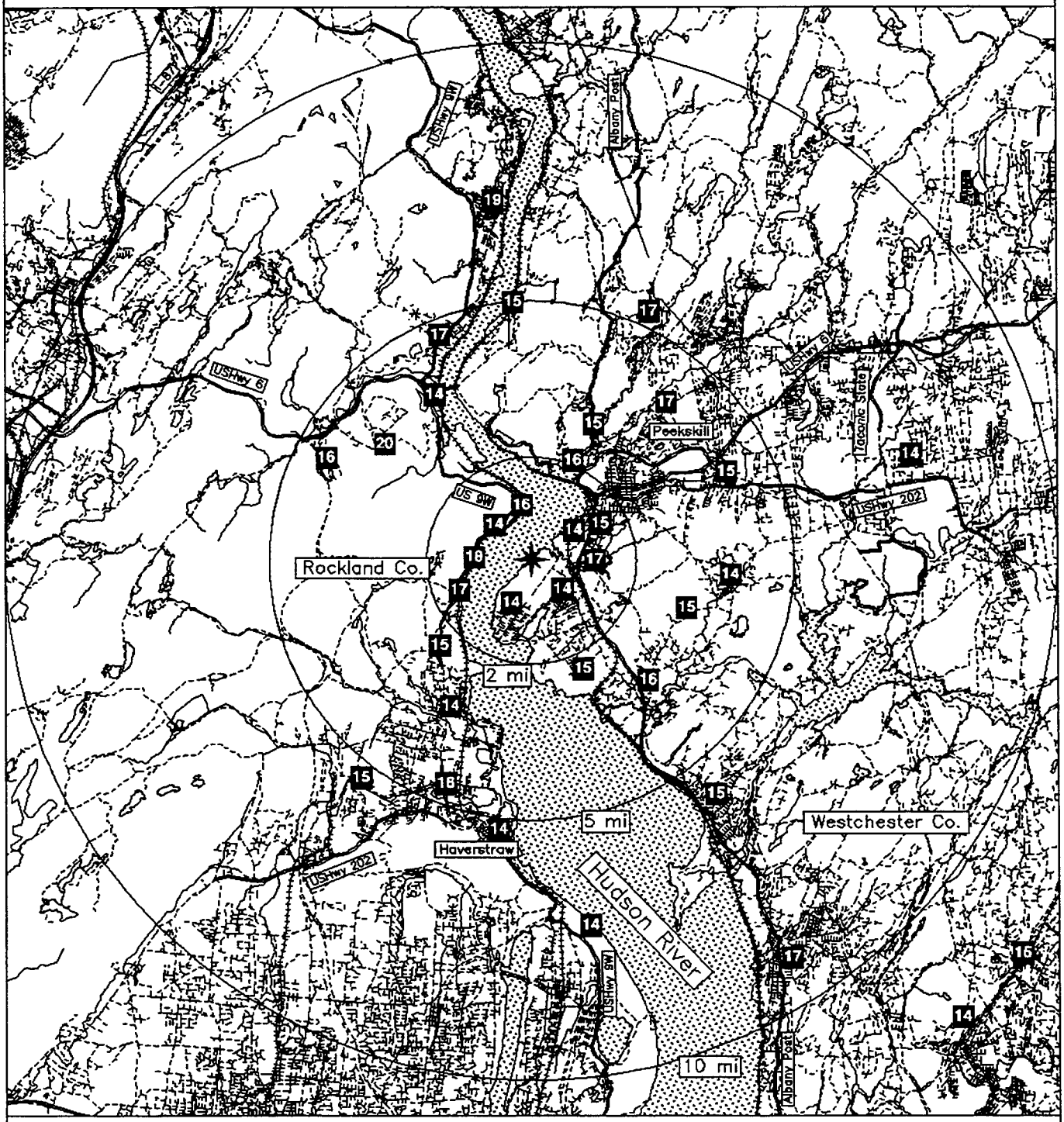
INDIAN POINT
For the period 970911-980205

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	16.6 +- 1.9	3
11.26 - 33.75 NNE	15.9 +- 0.7	3
33.76 - 56.25 NE	14.6 +- 2.2	3
56.26 - 78.75 ENE	14.8 +- 0.5	3
78.76 - 101.25 E	15.2 +- 1.2	3
101.26 - 123.75 ESE	15.2 +- 0.7	2
123.76 - 146.25 SE	14.7 +- 0.6	5
146.26 - 168.75 SSE	15.6 +- 0.9	3
168.76 - 191.25 S	13.8 +- 0.2	3
191.26 - 213.75 SSW	14.5 +- 1.1	3
213.76 - 236.25 SW	15.3 +- 0.1	2
236.26 - 258.75 WSW	16.6 +- 0.0	1
258.76 - 281.25 W	17.8 +- 0.0	1
281.26 - 303.75 WNW	16.7 +- 1.0	2
303.76 - 326.25 NW	17.0 +- 4.0	2
326.26 - 348.75 NNW	15.8 +- 1.3	3

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	15.3 +- 1.4	16
2 - 5	15.6 +- 1.5	16
> 5	15.3 +- 1.6	10
Upwind Control	18.0 +- 0.0	3

NRC TLD DOSES FOR INDIAN POINT AREA



KEWAUNEE/PT. BEACH
TLD Direct Radiation Environmental Monitoring
For the period 970908-980209 155 Days
Field Time: 98 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	189	8.1	22.2 +- 0.7; 3.3	15.6 +- 0.7; 4.3	12.6 +- 1.3
2	195	7.0	24.7 +- 0.7; 3.7	17.9 +- 0.8; 4.5	17.2 +- 2.2
3	163	4.9	22.2 +- 0.7; 3.3	15.6 +- 0.7; 4.3	12.9 +- 1.3
4	183	3.3	25.0 +- 0.7; 3.7	18.2 +- 0.8; 4.6	16.5 +- 1.7
5	210	3.2	19.5 +- 0.6; 2.9	13.1 +- 0.6; 4.0	12.2 +- 1.6
6	223	3.7	24.2 +- 0.7; 3.6	17.4 +- 0.8; 4.5	16.4 +- 1.9
7	242	5.7	23.0 +- 0.7; 3.5	16.4 +- 0.7; 4.4	13.9 +- 1.1
8	202	1.8	25.5 +- 0.8; 3.8	18.6 +- 0.8; 4.6	17.0 +- 1.5
9	180	1.8	24.7 +- 0.7; 3.7	17.9 +- 0.8; 4.5	15.6 +- 1.5
10	158	1.9	20.9 +- 0.6; 3.1	14.4 +- 0.7; 4.2	12.8 +- 1.4
11	235	1.2	25.8 +- 0.8; 3.9	18.9 +- 0.8; 4.7	16.9 +- 1.7
12	258	1.4	24.0 +- 0.7; 3.6	17.2 +- 0.8; 4.5	15.4 +- 1.6
13	273	1.4	24.3 +- 0.7; 3.6	17.5 +- 0.8; 4.5	15.7 +- 1.8
14	290	0.9	25.3 +- 0.8; 3.8	18.4 +- 0.8; 4.6	16.4 +- 1.5
15	333	0.8	21.5 +- 0.6; 3.2	14.9 +- 0.7; 4.2	15.1 +- 1.7
16	342	1.9	24.2 +- 0.7; 3.6	17.5 +- 0.8; 4.5	15.3 +- 1.6
17	317	2.0	21.1 +- 0.6; 3.2	14.6 +- 0.7; 4.2	13.4 +- 2.0
18	310	3.4	27.5 +- 0.8; 4.1	20.4 +- 0.8; 4.8	17.5 +- 1.5
19	293	4.0	22.0 +- 0.7; 3.3	15.5 +- 0.7; 4.3	14.3 +- 1.7
20	273	4.0	22.9 +- 0.7; 3.4	16.2 +- 0.7; 4.4	14.5 +- 2.1
21	300	5.6	23.9 +- 0.7; 3.6	17.1 +- 0.8; 4.5	14.6 +- 1.4
22	316	5.9	25.0 +- 0.8; 3.8	18.2 +- 0.8; 4.6	15.5 +- 1.6
23	345	2.7	24.6 +- 0.7; 3.7	17.8 +- 0.8; 4.5	16.5 +- 1.6
24	219	1.3	22.9 +- 0.7; 3.4	16.3 +- 0.7; 4.4	14.7 +- 1.7
25	247	1.4	26.0 +- 0.8; 3.9	19.1 +- 0.8; 4.7	16.6 +- 1.6
26	263	1.3	25.8 +- 0.8; 3.9	18.9 +- 0.8; 4.7	16.2 +- 1.6
27	290	1.4	26.7 +- 0.8; 4.0	19.7 +- 0.8; 4.7	16.8 +- 1.6
28	320	1.3	27.0 +- 0.8; 4.1	20.0 +- 0.8; 4.8	17.0 +- 2.0
29	342	1.1	23.4 +- 0.7; 3.5	16.7 +- 0.7; 4.4	15.4 +- 2.2
30	329	0.6	25.4 +- 0.8; 3.8	18.5 +- 0.8; 4.6	16.4 +- 1.7
31	13	1.0	23.6 +- 0.7; 3.5	16.9 +- 0.7; 4.4	15.0 +- 1.6
32	353	2.1	24.3 +- 0.7; 3.6	17.5 +- 0.8; 4.5	16.0 +- 1.7
33	301	3.9	22.8 +- 0.7; 3.4	16.1 +- 0.7; 4.3	14.6 +- 1.6
34	299	8.4	25.6 +- 0.8; 3.8	18.7 +- 0.8; 4.6	15.7 +- 1.4
35	323	3.8	20.3 +- 0.6; 3.1	13.9 +- 0.7; 4.1	13.9 +- 1.9
36	336	3.3	25.8 +- 0.8; 3.9	18.9 +- 0.8; 4.7	16.8 +- 1.9
37	6	3.1	22.4 +- 0.7; 3.4	15.8 +- 0.7; 4.3	14.4 +- 1.4
38	14	3.7	24.9 +- 0.7; 3.7	18.1 +- 0.8; 4.6	15.3 +- 1.7
39	13	7.6	22.0 +- 0.7; 3.3	15.4 +- 0.7; 4.3	13.4 +- 1.7
40	247	4.3	29.5 +- 0.9; 4.4	22.3 +- 0.9; 5.1	18.5 +- 1.6
41	8	23.0	21.5 +- 0.6; 3.2	15.0 +- 0.7; 4.2	12.9 +- 1.8
42	8	23.0	22.6 +- 0.7; 3.4	16.0 +- 0.7; 4.3	13.5 +- 1.5
43	8	23.0	20.6 +- 0.6; 3.1	14.1 +- 0.7; 4.1	12.7 +- 1.6

Transit Dose = 5.2 +- 0.4; 3.3

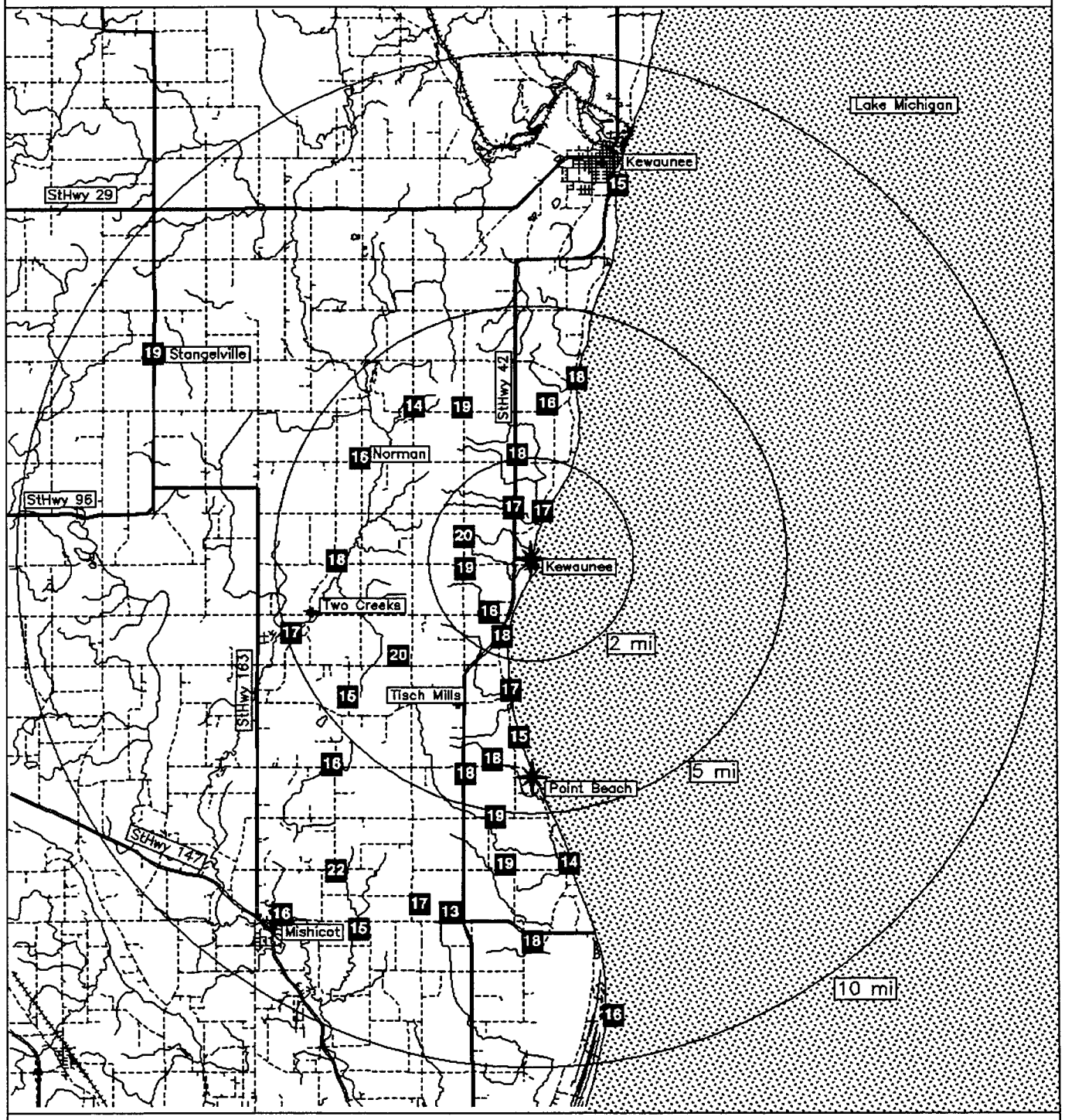
KEWAUNEE/PT. BEACH
For the period 970908-980209

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	16.7 +- 1.2	2
11.26 - 33.75 NNE	16.8 +- 1.3	3
33.76 - 56.25 NE	No Data +- No Data	0
56.26 - 78.75 ENE	No Data +- No Data	0
78.76 - 101.25 E	No Data +- No Data	0
101.26 - 123.75 ESE	No Data +- No Data	0
123.76 - 146.25 SE	No Data +- No Data	0
146.26 - 168.75 SSE	15.0 +- 0.8	2
168.76 - 191.25 S	17.2 +- 1.4	3
191.26 - 213.75 SSW	16.5 +- 3.0	3
213.76 - 236.25 SW	17.5 +- 1.3	3
236.26 - 258.75 WSW	18.7 +- 2.6	4
258.76 - 281.25 W	17.5 +- 1.4	3
281.26 - 303.75 WNW	17.6 +- 1.6	6
303.76 - 326.25 NW	17.4 +- 3.0	5
326.26 - 348.75 NNW	17.4 +- 1.4	6

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	17.6 +- 1.7	18
2 - 5	17.1 +- 2.4	15
> 5	17.0 +- 1.3	7
Upwind Control	15.0 +- 0.9	3

NRC TLD DOSES FOR KEWAUNEE AREA



Miles

0 2 4

Legend

Water
Highways
Railroads
Roads
Plant..site

LACROSSE
TLD Direct Radiation Environmental Monitoring
For the period 970909-980209 154 Days
Field Time: 92 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)	Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	5 20.0	22.3 +- 0.7; 3.3	13.4 +- 0.8; 4.7	14.8 +- 1.6
2	5 20.0	22.8 +- 0.7; 3.4	13.9 +- 0.8; 4.7	15.3 +- 1.3
3	3 20.0	23.9 +- 0.7; 3.6	15.0 +- 0.8; 4.9	15.8 +- 1.0
4	343 3.8	22.5 +- 0.7; 3.4	13.7 +- 0.8; 4.7	14.7 +- 1.2
5	313 3.8	25.1 +- 0.8; 3.8	16.2 +- 0.9; 5.0	16.2 +- 0.9
6	291 3.0	23.0 +- 0.7; 3.4	14.1 +- 0.8; 4.8	15.7 +- 1.1
7	261 4.8	25.6 +- 0.8; 3.8	16.7 +- 0.9; 5.0	17.6 +- 1.5
8	249 3.2	23.4 +- 0.7; 3.5	14.5 +- 0.8; 4.8	17.0 +- 1.7
9	214 5.0	25.0 +- 0.8; 3.8	16.1 +- 0.9; 5.0	15.8 +- 1.5
10	171 9.8	23.0 +- 0.7; 3.5	14.2 +- 0.8; 4.8	14.6 +- 1.2
11	176 5.1	22.8 +- 0.7; 3.4	13.9 +- 0.8; 4.7	15.0 +- 1.0
12	165 4.9	24.9 +- 0.7; 3.7	16.0 +- 0.9; 5.0	16.2 +- 0.9
13	138 3.5	26.1 +- 0.8; 3.9	17.2 +- 0.9; 5.1	16.9 +- 1.1
14	114 4.2	24.4 +- 0.7; 3.7	15.5 +- 0.9; 4.9	15.7 +- 1.1
15	97 3.9	23.3 +- 0.7; 3.5	14.5 +- 0.8; 4.8	14.7 +- 0.9
16	94 3.0	24.2 +- 0.7; 3.6	15.4 +- 0.9; 4.9	16.6 +- 1.2
17	105 2.0	22.5 +- 0.7; 3.4	13.6 +- 0.8; 4.7	15.9 +- 2.2
18	52 1.5	21.9 +- 0.7; 3.3	13.0 +- 0.8; 4.6	14.3 +- 1.1
19	16 1.5	22.7 +- 0.7; 3.4	13.9 +- 0.8; 4.7	14.5 +- 0.9
20	1 1.0	20.5 +- 0.6; 3.1	11.6 +- 0.8; 4.5	13.4 +- 1.0
21	358 0.5	24.3 +- 0.7; 3.6	15.4 +- 0.9; 4.9	17.0 +- 1.1
22	180 0.6	25.5 +- 0.8; 3.8	16.6 +- 0.9; 5.0	16.2 +- 1.0
23	134 1.7	22.2 +- 0.7; 3.3	13.4 +- 0.8; 4.7	16.1 +- 1.5
24	58 0.6	25.7 +- 0.8; 3.8	16.7 +- 0.9; 5.0	17.5 +- 1.5
25	59 3.1	24.3 +- 0.7; 3.6	15.4 +- 0.9; 4.9	17.0 +- 1.5
26	16 1.5	24.1 +- 0.7; 3.6	15.2 +- 0.9; 4.9	16.5 +- 1.3
27	26 5.1	23.2 +- 0.7; 3.5	14.3 +- 0.8; 4.8	15.3 +- 1.1
28	25 7.0	24.3 +- 0.7; 3.6	15.4 +- 0.9; 4.9	14.4 +- 1.5
29	4 4.8	24.2 +- 0.7; 3.6	15.3 +- 0.9; 4.9	16.0 +- 1.1

Transit Dose = 8.6 +- 0.5; 3.4

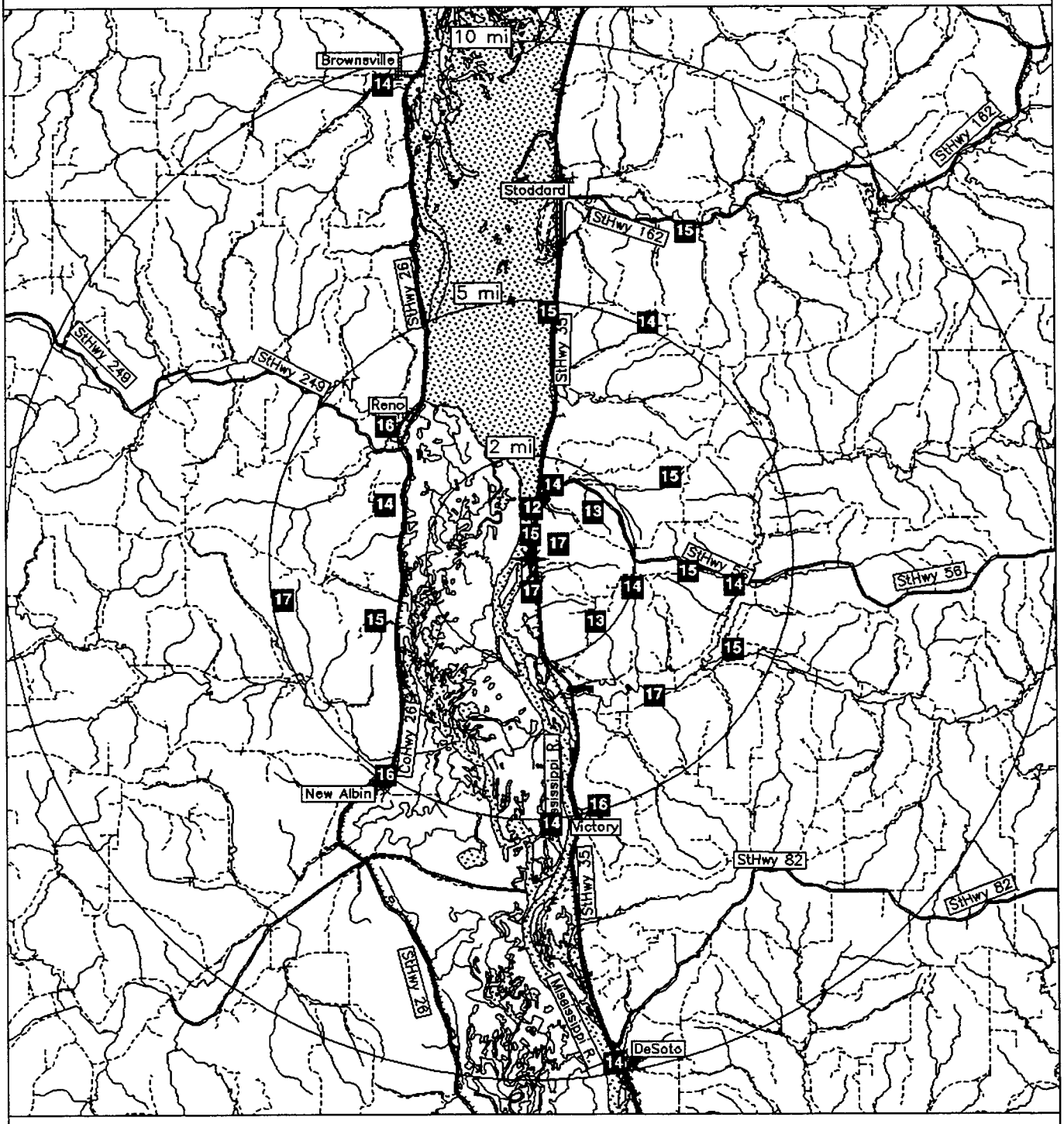
LACROSSE
For the period 970909-980209

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	14.1 +- 2.1	3
11.26 - 33.75 NNE	14.7 +- 0.7	4
33.76 - 56.25 NE	13.0 +- 0.0	1
56.26 - 78.75 ENE	16.1 +- 0.9	2
78.76 - 101.25 E	14.9 +- 0.6	2
101.26 - 123.75 ESE	14.6 +- 1.3	2
123.76 - 146.25 SE	15.3 +- 2.7	2
146.26 - 168.75 SSE	16.0 +- 0.0	1
168.76 - 191.25 S	14.9 +- 1.5	3
191.26 - 213.75 SSW	No Data +- No Data	0
213.76 - 236.25 SW	16.1 +- 0.0	1
236.26 - 258.75 WSW	14.5 +- 0.0	1
258.76 - 281.25 W	16.7 +- 0.0	1
281.26 - 303.75 WNW	14.1 +- 0.0	1
303.76 - 326.25 NW	16.2 +- 0.0	1
326.26 - 348.75 NNW	13.7 +- 0.0	1

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	14.4 +- 1.7	9
2 - 5	15.4 +- 1.0	13
> 5	14.4 +- 0.7	4
Upwind Control	14.1 +- 0.8	3

NRC TLD DOSES FOR LACROSSE AREA



Miles

0 2 4

Legend

Water — Railroads — Plant..site

Highways --- Roads

LASALLE
TLD Direct Radiation Environmental Monitoring
For the period 970909-980210 155 Days
Field Time: 94 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)	Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	302 10.0	23.3 +- 0.7; 3.5	17.7 +- 0.8; 4.5	17.5 +- 1.2
2	335 5.3	26.7 +- 0.8; 4.0	20.9 +- 0.8; 4.9	19.7 +- 1.5
3	343 5.8	Missing Dosimeter	No Net Data	15.8 +- 1.0
4	38 5.5	Missing Dosimeter	No Net Data	19.0 +- 2.1
5	39 4.3	21.4 +- 0.6; 3.2	15.9 +- 0.7; 4.3	14.8 +- 1.1
6	27 3.8	23.7 +- 0.7; 3.6	18.0 +- 0.8; 4.5	17.2 +- 1.3
7	2 4.1	26.6 +- 0.8; 4.0	20.8 +- 0.8; 4.9	19.6 +- 1.3
8	304 4.6	25.9 +- 0.8; 3.9	20.1 +- 0.8; 4.8	19.2 +- 1.3
9	292 3.9	24.2 +- 0.7; 3.6	18.5 +- 0.8; 4.6	19.9 +- 2.6
10	281 3.7	28.5 +- 0.9; 4.3	22.6 +- 0.9; 5.1	19.3 +- 1.7
11	248 4.0	25.0 +- 0.8; 3.8	19.3 +- 0.8; 4.7	18.5 +- 1.2
12	222 12.0	24.9 +- 0.7; 3.7	19.2 +- 0.8; 4.7	17.8 +- 1.1
13	212 18.0	25.1 +- 0.8; 3.8	19.3 +- 0.8; 4.7	18.4 +- 1.1
14	212 18.0	25.6 +- 0.8; 3.8	19.9 +- 0.8; 4.7	19.0 +- 1.2
15	212 18.0	25.2 +- 0.8; 3.8	19.5 +- 0.8; 4.7	18.8 +- 1.3
16	215 4.4	26.7 +- 0.8; 4.0	20.9 +- 0.8; 4.9	19.8 +- 1.1
17	204 4.0	26.5 +- 0.8; 4.0	20.7 +- 0.8; 4.8	19.2 +- 1.1
18	173 4.6	27.9 +- 0.8; 4.2	22.0 +- 0.9; 5.0	19.7 +- 1.2
19	174 6.4	Missing Dosimeter	No Net Data	17.3 +- 1.0
20	158 3.6	25.4 +- 0.8; 3.8	19.7 +- 0.8; 4.7	18.7 +- 1.3
21	124 4.2	25.7 +- 0.8; 3.8	19.9 +- 0.8; 4.8	19.2 +- 1.7
22	114 3.8	25.7 +- 0.8; 3.9	19.9 +- 0.8; 4.8	18.9 +- 1.1
23	97 4.5	26.0 +- 0.8; 3.9	20.2 +- 0.8; 4.8	18.3 +- 1.4
24	72 4.7	27.2 +- 0.8; 4.1	21.4 +- 0.9; 4.9	20.0 +- 1.4
25	41 2.0	26.2 +- 0.8; 3.9	20.4 +- 0.8; 4.8	19.0 +- 1.2
26	11 1.6	25.6 +- 0.8; 3.8	19.8 +- 0.8; 4.7	18.7 +- 1.3
27	358 1.5	26.8 +- 0.8; 4.0	21.0 +- 0.9; 4.9	19.3 +- 1.2
28	336 1.6	24.3 +- 0.7; 3.6	18.6 +- 0.8; 4.6	18.5 +- 1.2
29	310 2.3	23.1 +- 0.7; 3.5	17.5 +- 0.8; 4.5	17.8 +- 1.4
30	301 2.0	28.0 +- 0.8; 4.2	22.1 +- 0.9; 5.0	21.2 +- 1.1
31	271 1.7	24.9 +- 0.7; 3.7	19.2 +- 0.8; 4.7	18.6 +- 1.1
32	256 1.8	Damaged Dosimeter	No Net Data	19.6 +- 1.7
33	227 2.4	27.8 +- 0.8; 4.2	22.0 +- 0.9; 5.0	20.6 +- 1.3
34	204 1.7	25.9 +- 0.8; 3.9	20.2 +- 0.8; 4.8	18.9 +- 1.0
35	165 1.6	28.0 +- 0.8; 4.2	22.1 +- 0.9; 5.0	19.8 +- 1.9
36	149 1.8	27.0 +- 0.8; 4.0	21.2 +- 0.9; 4.9	19.8 +- 1.2
37	139 2.1	25.0 +- 0.7; 3.7	19.3 +- 0.8; 4.7	19.0 +- 1.2
38	111 1.5	24.8 +- 0.7; 3.7	19.1 +- 0.8; 4.7	17.1 +- 1.2
39	265 0.6	27.7 +- 0.8; 4.2	21.9 +- 0.9; 5.0	20.1 +- 1.5

Transit Dose = 4.9 +- 0.4; 3.1

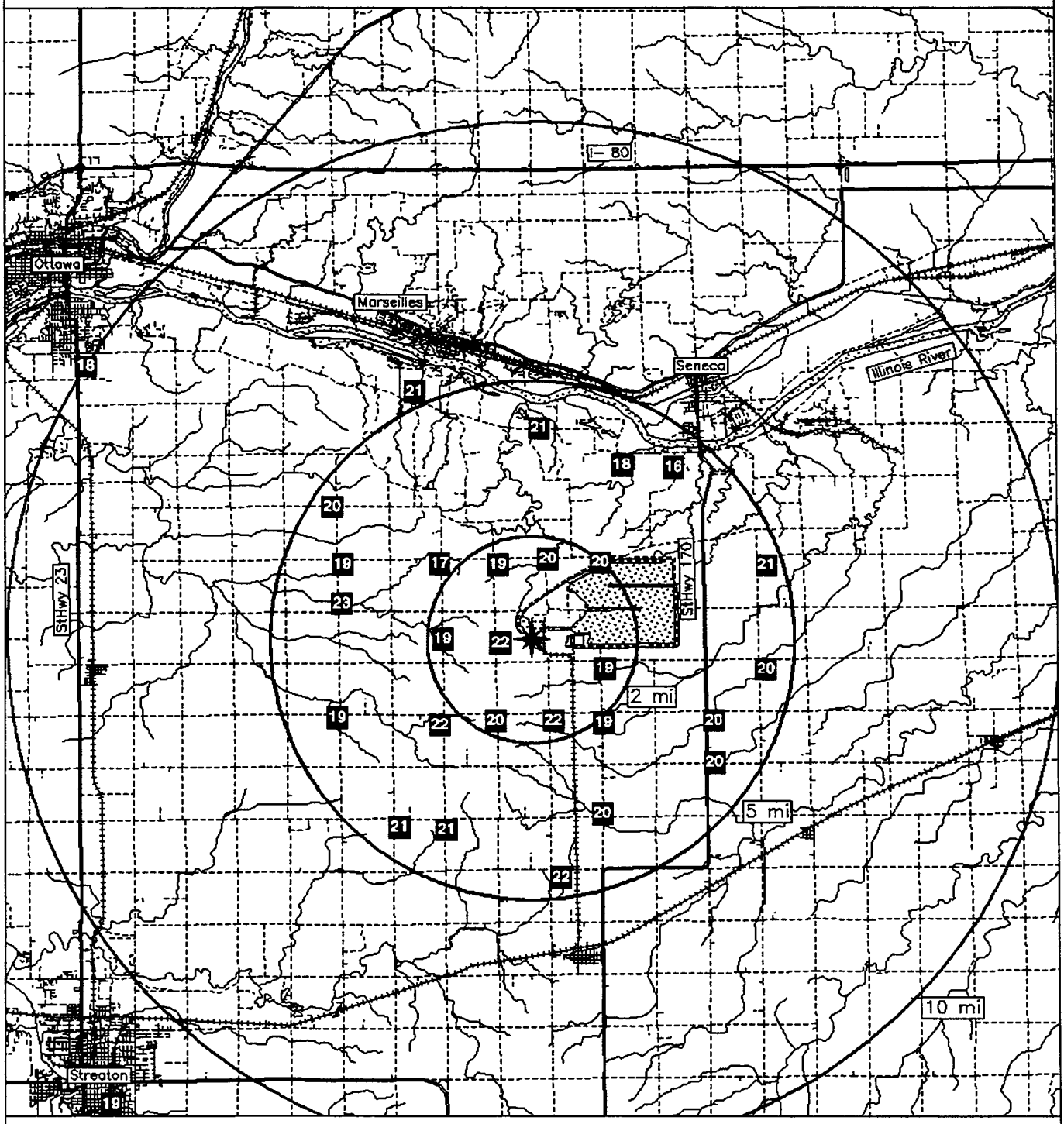
LASALLE
For the period 970909-980210

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	20.6 +- 0.7	3
11.26 - 33.75 NNE	18.0 +- 0.0	1
33.76 - 56.25 NE	18.1 +- 3.2	2
56.26 - 78.75 ENE	21.4 +- 0.0	1
78.76 - 101.25 E	20.2 +- 0.0	1
101.26 - 123.75 ESE	19.5 +- 0.6	2
123.76 - 146.25 SE	19.6 +- 0.5	2
146.26 - 168.75 SSE	21.0 +- 1.2	3
168.76 - 191.25 S	22.0 +- 0.0	1
191.26 - 213.75 SSW	20.4 +- 0.4	2
213.76 - 236.25 SW	20.7 +- 1.4	3
236.26 - 258.75 WSW	19.3 +- 0.0	1
258.76 - 281.25 W	21.2 +- 1.8	3
281.26 - 303.75 WNW	19.4 +- 2.4	3
303.76 - 326.25 NW	18.8 +- 1.9	2
326.26 - 348.75 NNW	19.8 +- 1.6	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	20.5 +- 1.3	11
2 - 5	19.9 +- 1.7	18
> 5	19.3 +- 1.6	3
Upwind Control	19.6 +- 0.3	3

NRC TLD DOSES FOR LASALLE AREA



Miles

0 2 4

Legend

Water

Railroads

Plant..site

Highways

Roads

LIMERICK
TLD Direct Radiation Environmental Monitoring
For the period 970911-980126 138 Days
Field Time: 113 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	115	8.5	30.4 +- 0.9; 4.6	23.2 +- 0.8; 4.5	22.8 +- 1.5
3	85	3.7	25.7 +- 0.8; 3.8	19.4 +- 0.7; 4.1	19.0 +- 1.3
4	46	3.3	26.6 +- 0.8; 4.0	20.2 +- 0.7; 4.2	19.5 +- 1.3
5	20	3.7	24.8 +- 0.7; 3.7	18.7 +- 0.6; 4.0	19.3 +- 1.2
6	7	4.6	25.9 +- 0.8; 3.9	19.6 +- 0.7; 4.1	20.0 +- 1.3
7	340	7.2	23.9 +- 0.7; 3.6	18.0 +- 0.6; 3.9	17.8 +- 1.4
8	332	4.0	26.3 +- 0.8; 3.9	19.9 +- 0.7; 4.1	19.1 +- 1.2
9	313	3.4	25.4 +- 0.8; 3.8	19.2 +- 0.7; 4.1	19.1 +- 1.2
10	291	4.9	27.4 +- 0.8; 4.1	20.8 +- 0.7; 4.2	20.9 +- 1.5
11	304	3.0	33.0 +- 1.0; 4.9	25.2 +- 0.8; 4.8	24.5 +- 1.7
12	316	1.9	25.2 +- 0.8; 3.8	19.0 +- 0.7; 4.0	18.3 +- 1.2
13	347	1.9	27.9 +- 0.8; 4.2	21.2 +- 0.7; 4.3	20.4 +- 1.3
14	339	1.5	22.4 +- 0.7; 3.4	16.8 +- 0.6; 3.8	17.3 +- 1.1
15	41	1.7	25.0 +- 0.7; 3.7	18.9 +- 0.6; 4.0	18.3 +- 1.5
16	66	2.6	23.8 +- 0.7; 3.6	17.9 +- 0.6; 3.9	18.9 +- 1.5
17	5	0.6	24.2 +- 0.7; 3.6	18.3 +- 0.6; 4.0	18.4 +- 1.7
18	300	0.7	25.8 +- 0.8; 3.9	19.5 +- 0.7; 4.1	18.8 +- 1.5
19	291	0.7	24.2 +- 0.7; 3.6	18.2 +- 0.6; 4.0	18.5 +- 1.5
20	260	0.7	24.4 +- 0.7; 3.7	18.4 +- 0.6; 4.0	18.2 +- 1.3
21	234	0.9	24.9 +- 0.7; 3.7	18.8 +- 0.6; 4.0	18.3 +- 1.3
22	210	1.1	25.8 +- 0.8; 3.9	19.6 +- 0.7; 4.1	18.9 +- 1.1
23	174	1.7	23.3 +- 0.7; 3.5	17.5 +- 0.6; 3.9	17.1 +- 1.2
24	149	1.5	24.7 +- 0.7; 3.7	18.7 +- 0.6; 4.0	17.6 +- 1.3
25	124	1.0	26.6 +- 0.8; 4.0	20.2 +- 0.7; 4.2	19.6 +- 1.2
26	114	1.1	25.7 +- 0.8; 3.9	19.4 +- 0.7; 4.1	19.8 +- 1.3
27	160	1.0	25.4 +- 0.8; 3.8	19.2 +- 0.7; 4.1	19.0 +- 1.2
28	81	1.0	Missing Dosimeter	No Net Data	18.4 +- 1.1
29	51	0.7	26.3 +- 0.8; 3.9	19.9 +- 0.7; 4.1	19.0 +- 1.3
30	144	3.2	30.2 +- 0.9; 4.5	23.0 +- 0.8; 4.5	22.4 +- 1.6
31	158	2.6	26.5 +- 0.8; 4.0	20.1 +- 0.7; 4.2	19.0 +- 1.8
32	153	7.3	23.5 +- 0.7; 3.5	17.6 +- 0.6; 3.9	17.7 +- 1.3
33	186	4.2	23.8 +- 0.7; 3.6	17.9 +- 0.6; 3.9	17.2 +- 1.3
34	194	3.8	20.8 +- 0.6; 3.1	15.5 +- 0.6; 3.7	16.6 +- 1.3
35	229	5.1	25.6 +- 0.8; 3.8	19.3 +- 0.7; 4.1	18.8 +- 1.2
36	251	4.1	28.3 +- 0.8; 4.2	21.5 +- 0.7; 4.3	20.1 +- 2.1
37	270	3.0	20.9 +- 0.6; 3.1	15.6 +- 0.6; 3.7	15.8 +- 1.1
38	293	11.9	26.9 +- 0.8; 4.0	20.4 +- 0.7; 4.2	20.3 +- 1.5
39	293	11.9	27.7 +- 0.8; 4.2	21.0 +- 0.7; 4.3	20.5 +- 1.5
40	293	11.9	26.9 +- 0.8; 4.0	20.4 +- 0.7; 4.2	20.7 +- 1.5
41	126	2.9	21.9 +- 0.7; 3.3	16.4 +- 0.6; 3.8	16.0 +- 1.0
42	111	4.3	25.3 +- 0.8; 3.8	19.1 +- 0.7; 4.1	19.3 +- 1.5

Transit Dose = 1.3 +- 0.3; 3.4

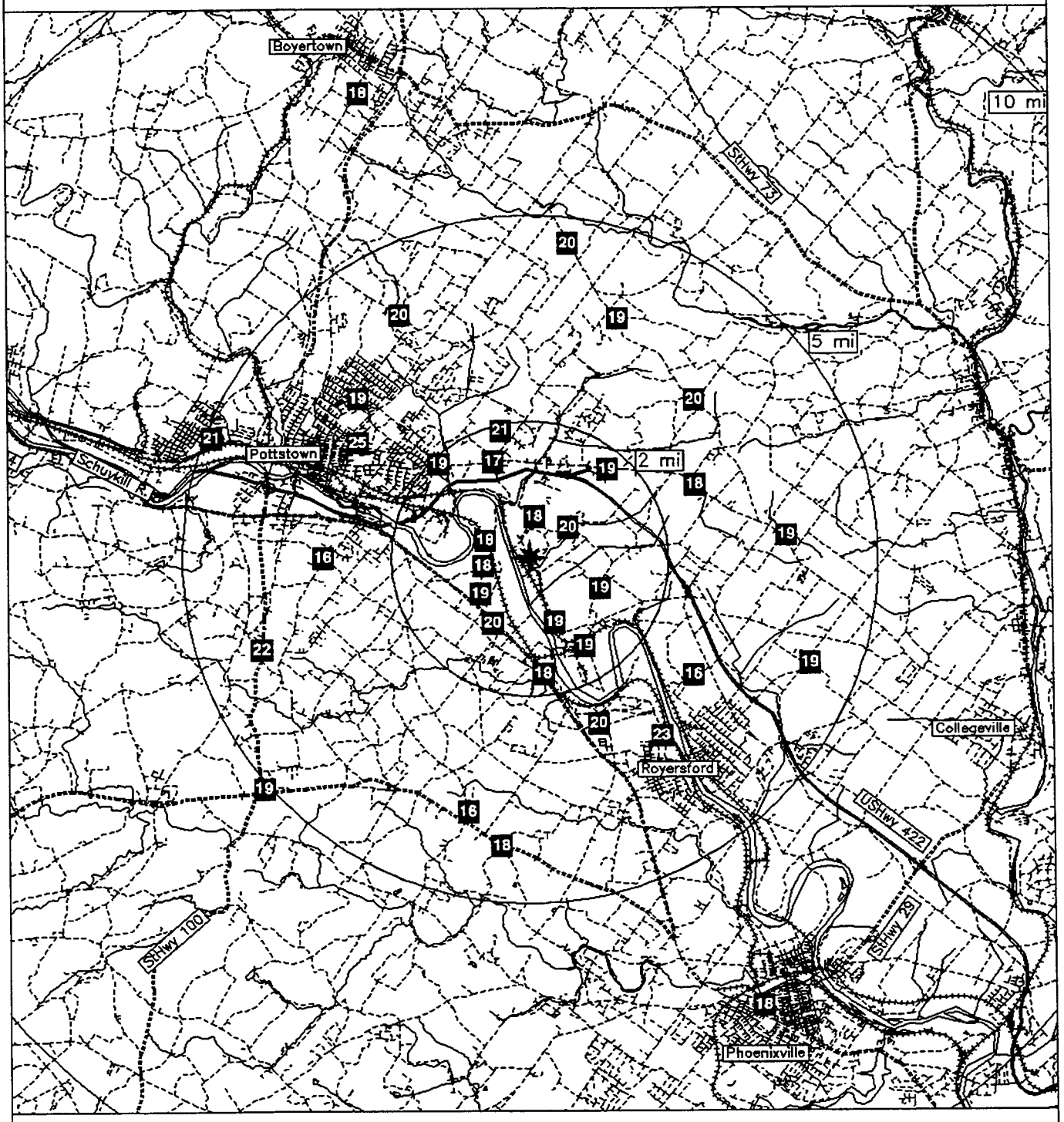
LIMERICK
For the period 970911-980126

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	18.9 +- 0.9	2
11.26 - 33.75 NNE	18.7 +- 0.0	1
33.76 - 56.25 NE	19.7 +- 0.7	3
56.26 - 78.75 ENE	17.9 +- 0.0	1
78.76 - 101.25 E	19.4 +- 0.0	1
101.26 - 123.75 ESE	20.6 +- 2.2	3
123.76 - 146.25 SE	19.9 +- 3.3	3
146.26 - 168.75 SSE	18.9 +- 1.0	4
168.76 - 191.25 S	17.7 +- 0.3	2
191.26 - 213.75 SSW	17.5 +- 2.9	2
213.76 - 236.25 SW	19.1 +- 0.4	2
236.26 - 258.75 WSW	21.5 +- 0.0	1
258.76 - 281.25 W	17.0 +- 2.0	2
281.26 - 303.75 WNW	19.5 +- 1.3	3
303.76 - 326.25 NW	21.2 +- 3.5	3
326.26 - 348.75 NNW	19.0 +- 2.0	4

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	19.0 +- 1.0	16
2 - 5	19.4 +- 2.5	17
> 5	19.5 +- 2.5	4
Upwind Control	20.6 +- 0.4	3

NRC TLD DOSES FOR LIMERICK AREA



Miles

0 2 4

Legend

Water
Highways
Railroads
Roads
Plant..site

MAINE YANKEE
TLD Direct Radiation Environmental Monitoring
For the period 970911-980126 138 Days
Field Time: 91 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)	Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	340 1.0	25.2 +- 0.8; 3.8	20.8 +- 0.8; 4.8	18.8 +- 1.6
2	6 1.4	23.2 +- 0.7; 3.5	18.8 +- 0.8; 4.5	17.8 +- 1.7
3	23 1.5	21.7 +- 0.6; 3.2	17.2 +- 0.7; 4.4	17.5 +- 1.9
4	44 1.8	21.4 +- 0.6; 3.2	17.0 +- 0.7; 4.3	17.3 +- 1.8
5	116 0.5	22.3 +- 0.7; 3.3	17.9 +- 0.7; 4.4	17.2 +- 1.8
6	168 1.0	24.6 +- 0.7; 3.7	20.1 +- 0.8; 4.7	18.3 +- 1.7
7	185 1.6	21.8 +- 0.7; 3.3	17.4 +- 0.7; 4.4	16.8 +- 1.5
8	195 2.3	23.4 +- 0.7; 3.5	18.9 +- 0.8; 4.6	17.8 +- 1.6
9	209 3.8	23.2 +- 0.7; 3.5	18.8 +- 0.8; 4.5	17.3 +- 1.6
10	310 1.7	22.1 +- 0.7; 3.3	17.7 +- 0.7; 4.4	17.3 +- 1.7
11	290 1.8	25.5 +- 0.8; 3.8	21.0 +- 0.8; 4.8	20.1 +- 2.2
12	275 1.7	24.6 +- 0.7; 3.7	20.1 +- 0.8; 4.7	19.0 +- 1.8
13	256 1.9	23.5 +- 0.7; 3.5	19.1 +- 0.8; 4.6	17.8 +- 1.9
14	232 2.5	24.6 +- 0.7; 3.7	20.2 +- 0.8; 4.7	18.9 +- 1.8
15	227 5.3	24.8 +- 0.7; 3.7	20.3 +- 0.8; 4.7	18.6 +- 2.0
16	246 4.4	24.9 +- 0.7; 3.7	20.4 +- 0.8; 4.7	19.6 +- 2.1
17	250 6.6	30.0 +- 0.9; 4.5	25.5 +- 1.0; 5.3	24.0 +- 1.6
18	268 4.7	24.3 +- 0.7; 3.7	19.9 +- 0.8; 4.7	18.6 +- 1.8
19	283 4.4	24.5 +- 0.7; 3.7	20.1 +- 0.8; 4.7	18.4 +- 1.6
20	305 4.7	23.3 +- 0.7; 3.5	18.9 +- 0.8; 4.5	17.8 +- 1.8
21	300 2.9	24.3 +- 0.7; 3.6	19.9 +- 0.8; 4.7	18.4 +- 1.9
22	332 2.7	21.3 +- 0.6; 3.2	16.9 +- 0.7; 4.3	18.6 +- 2.0
23	20 3.9	23.4 +- 0.7; 3.5	18.9 +- 0.8; 4.6	18.8 +- 2.0
24	23 3.0	24.8 +- 0.7; 3.7	20.3 +- 0.8; 4.7	19.3 +- 1.9
25	42 4.7	23.8 +- 0.7; 3.6	19.3 +- 0.8; 4.6	19.0 +- 1.9
26	60 15.0	21.7 +- 0.7; 3.3	17.3 +- 0.7; 4.4	17.2 +- 1.9
27	62 16.0	21.5 +- 0.6; 3.2	17.1 +- 0.7; 4.3	16.2 +- 1.6
28	63 16.0	22.1 +- 0.7; 3.3	17.7 +- 0.7; 4.4	17.5 +- 1.5
29	64 2.1	25.1 +- 0.8; 3.8	20.6 +- 0.8; 4.7	20.2 +- 1.9
30	84 1.5	21.9 +- 0.7; 3.3	17.5 +- 0.7; 4.4	16.9 +- 1.8
31	115 1.6	20.8 +- 0.6; 3.1	16.4 +- 0.7; 4.3	17.0 +- 1.5
32	135 2.0	20.6 +- 0.6; 3.1	16.2 +- 0.7; 4.2	16.5 +- 1.8
33	66 3.5	23.2 +- 0.7; 3.5	18.8 +- 0.8; 4.5	17.8 +- 1.7
34	97 4.9	24.7 +- 0.7; 3.7	20.3 +- 0.8; 4.7	19.1 +- 1.8
35	123 4.8	24.4 +- 0.7; 3.7	20.0 +- 0.8; 4.7	19.0 +- 1.9
36	140 4.9	22.1 +- 0.7; 3.3	17.6 +- 0.7; 4.4	17.2 +- 2.0
37	151 6.0	25.8 +- 0.8; 3.9	21.3 +- 0.8; 4.8	18.8 +- 2.1
38	152 4.2	25.9 +- 0.8; 3.9	21.5 +- 0.8; 4.8	19.7 +- 1.8
39	172 4.9	23.1 +- 0.7; 3.5	18.7 +- 0.8; 4.5	17.7 +- 1.7
40	156 7.4	23.0 +- 0.7; 3.5	18.6 +- 0.8; 4.5	18.1 +- 1.4

Transit Dose = 4.2 +- 0.4; 3.0

MAINE YANKEE
For the period 970911-980126

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	18.8 +- 0.0	1
11.26 - 33.75 NNE	18.8 +- 1.5	3
33.76 - 56.25 NE	18.2 +- 1.6	2
56.26 - 78.75 ENE	19.7 +- 1.3	2
78.76 - 101.25 E	18.9 +- 2.0	2
101.26 - 123.75 ESE	18.1 +- 1.8	3
123.76 - 146.25 SE	16.9 +- 1.0	2
146.26 - 168.75 SSE	20.4 +- 1.3	4
168.76 - 191.25 S	18.0 +- 0.9	2
191.26 - 213.75 SSW	18.8 +- 0.1	2
213.76 - 236.25 SW	20.3 +- 0.1	2
236.26 - 258.75 WSW	21.7 +- 3.4	3
258.76 - 281.25 W	20.0 +- 0.2	2
281.26 - 303.75 WNW	20.3 +- 0.6	3
303.76 - 326.25 NW	18.3 +- 0.9	2
326.26 - 348.75 NNW	18.8 +- 2.8	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	18.4 +- 1.6	14
2 - 5	19.5 +- 1.1	19
> 5	21.4 +- 3.0	4
Upwind Control	17.3 +- 0.3	3

NRC TLD DOSES FOR MAINE YANKEE AREA

MCGUIRE
TLD Direct Radiation Environmental Monitoring
For the period 970910-980211 155 Days
Field Time: 94 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	97	0.5	21.3 +- 0.6; 3.2	13.2 +- 0.8; 4.5	13.1 +- 2.4
2	323	1.6	25.1 +- 0.8; 3.8	16.9 +- 0.8; 4.8	16.1 +- 1.7
3	336	1.7	24.0 +- 0.7; 3.6	15.8 +- 0.8; 4.7	16.9 +- 2.3
4	303	2.9	23.3 +- 0.7; 3.5	15.1 +- 0.8; 4.7	15.2 +- 3.1
5	321	3.9	25.5 +- 0.8; 3.8	17.3 +- 0.9; 4.9	15.8 +- 1.7
6	334	3.7	22.4 +- 0.7; 3.4	14.2 +- 0.8; 4.6	15.0 +- 2.1
7	352	3.5	18.8 +- 0.6; 2.8	10.8 +- 0.7; 4.2	13.7 +- 2.2
8	287	2.0	27.6 +- 0.8; 4.1	19.2 +- 0.9; 5.1	17.8 +- 2.6
9	273	1.9	19.0 +- 0.6; 2.9	11.0 +- 0.7; 4.2	14.9 +- 2.9
10	244	1.7	20.8 +- 0.6; 3.1	12.7 +- 0.7; 4.4	13.8 +- 2.2
11	225	2.1	20.5 +- 0.6; 3.1	12.4 +- 0.7; 4.4	13.3 +- 2.3
12	212	3.6	21.9 +- 0.7; 3.3	13.8 +- 0.8; 4.5	15.2 +- 2.1
13	232	4.4	27.8 +- 0.8; 4.2	19.4 +- 0.9; 5.1	21.1 +- 1.9
14	253	3.7	23.7 +- 0.7; 3.6	15.5 +- 0.8; 4.7	17.8 +- 2.3
15	261	4.2	21.8 +- 0.7; 3.3	13.7 +- 0.8; 4.5	14.2 +- 1.8
16	288	4.3	28.2 +- 0.8; 4.2	19.9 +- 0.9; 5.2	21.0 +- 2.3
17	288	17.0	30.4 +- 0.9; 4.6	22.0 +- 1.0; 5.4	22.1 +- 1.8
18	287	2.0	25.5 +- 0.8; 3.8	17.2 +- 0.9; 4.9	19.6 +- 2.7
19	286	17.0	27.2 +- 0.8; 4.1	18.9 +- 0.9; 5.1	20.7 +- 3.3
20	233	18.0	28.9 +- 0.9; 4.3	20.5 +- 0.9; 5.3	20.8 +- 2.1
21	204	10.0	22.7 +- 0.7; 3.4	14.5 +- 0.8; 4.6	14.8 +- 2.3
22	239	9.5	25.3 +- 0.8; 3.8	17.1 +- 0.8; 4.9	16.3 +- 2.2
23	115	4.9	18.0 +- 0.5; 2.7	10.0 +- 0.7; 4.1	11.9 +- 2.6
24	132	4.9	18.4 +- 0.6; 2.8	10.4 +- 0.7; 4.2	12.7 +- 1.9
25	156	4.0	16.5 +- 0.5; 2.5	8.6 +- 0.6; 4.0	10.5 +- 2.3
26	175	3.7	19.7 +- 0.6; 3.0	11.7 +- 0.7; 4.3	13.0 +- 1.8
27	198	4.3	Missing Dosimeter	No Net Data	18.3 +- 2.8
28	169	13.0	19.8 +- 0.6; 3.0	11.8 +- 0.7; 4.3	13.1 +- 2.5
29	155	13.0	19.2 +- 0.6; 2.9	11.2 +- 0.7; 4.3	13.2 +- 2.1
30	146	14.0	20.1 +- 0.6; 3.0	12.1 +- 0.7; 4.3	12.6 +- 2.0
31	143	1.9	16.9 +- 0.5; 2.5	9.0 +- 0.7; 4.0	12.4 +- 3.5
32	155	1.3	19.6 +- 0.6; 2.9	11.6 +- 0.7; 4.3	13.6 +- 2.3
33	178	1.6	20.7 +- 0.6; 3.1	12.6 +- 0.7; 4.4	12.1 +- 2.3
34	108	2.0	21.9 +- 0.7; 3.3	13.8 +- 0.8; 4.5	14.0 +- 2.1
35	93	2.2	19.6 +- 0.6; 2.9	11.6 +- 0.7; 4.3	13.0 +- 2.9
36	68	2.5	20.9 +- 0.6; 3.1	12.8 +- 0.7; 4.4	13.6 +- 2.2
37	82	4.7	20.0 +- 0.6; 3.0	12.0 +- 0.7; 4.3	13.3 +- 2.3
38	64	4.9	21.2 +- 0.6; 3.2	13.1 +- 0.8; 4.4	13.6 +- 2.5
39	42	5.0	18.0 +- 0.5; 2.7	10.1 +- 0.7; 4.1	16.4 +- 3.3
40	26	4.3	21.2 +- 0.6; 3.2	13.1 +- 0.7; 4.4	14.1 +- 2.3
41	42	2.0	19.5 +- 0.6; 2.9	11.5 +- 0.7; 4.3	11.9 +- 2.0
42	21	1.6	21.3 +- 0.6; 3.2	13.2 +- 0.8; 4.5	16.0 +- 2.4
43	8	2.6	23.7 +- 0.7; 3.6	15.5 +- 0.8; 4.7	17.0 +- 2.1
44	37	13.0	26.5 +- 0.8; 4.0	18.2 +- 0.9; 5.0	20.0 +- 2.9
45	78	19.0	28.9 +- 0.9; 4.3	20.5 +- 0.9; 5.3	22.3 +- 2.5
46	94	19.0	27.6 +- 0.8; 4.1	19.2 +- 0.9; 5.1	16.9 +- 2.3

Transit Dose = 7.5 +- 0.5; 3.4

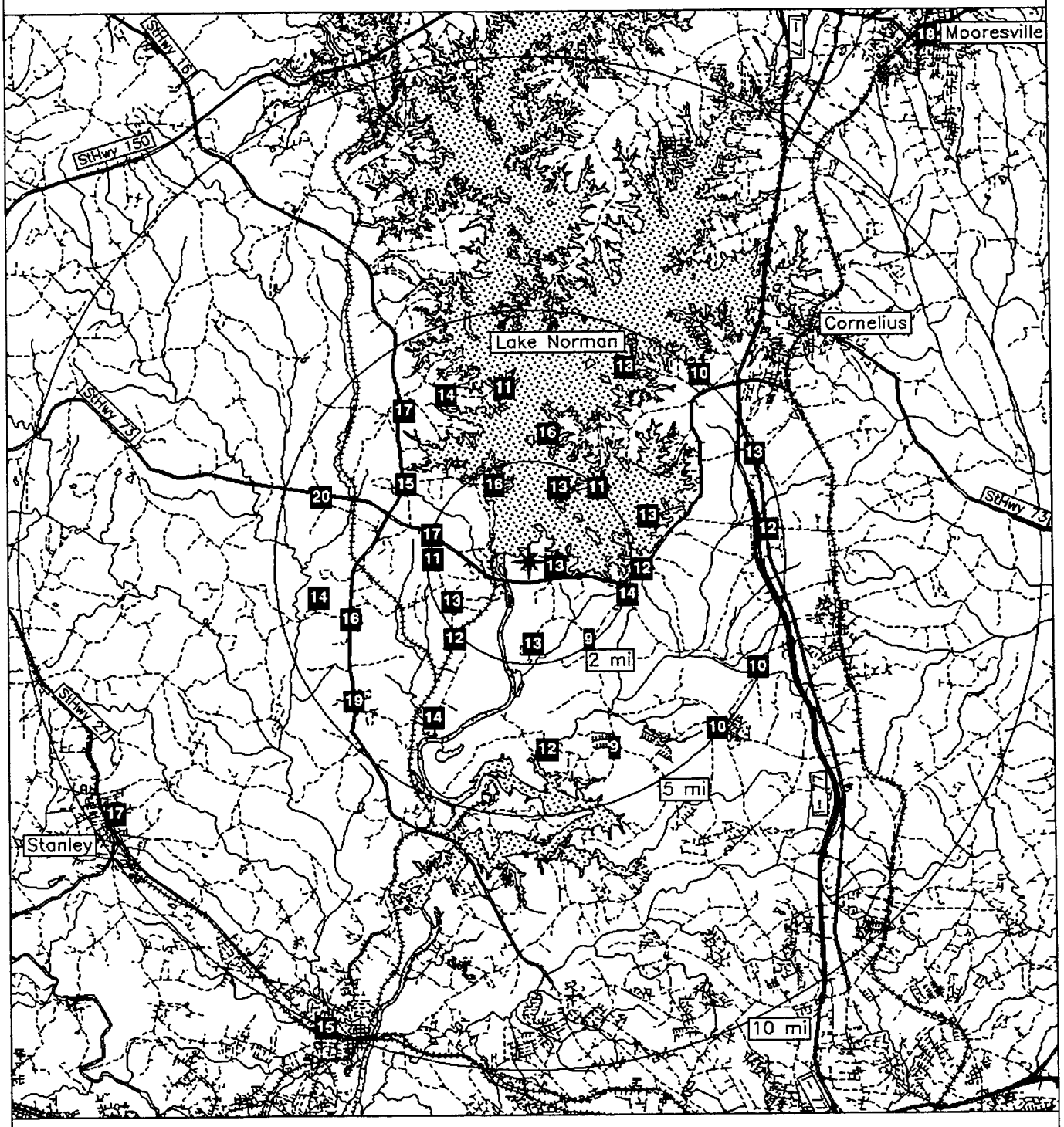
MCGUIRE
For the period 970910-980211

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	13.2 +- 3.3	2
11.26 - 33.75 NNE	13.2 +- 0.1	2
33.76 - 56.25 NE	13.3 +- 4.3	3
56.26 - 78.75 ENE	15.5 +- 4.4	3
78.76 - 101.25 E	14.0 +- 3.5	4
101.26 - 123.75 ESE	11.9 +- 2.7	2
123.76 - 146.25 SE	10.5 +- 1.5	3
146.26 - 168.75 SSE	10.4 +- 1.6	3
168.76 - 191.25 S	12.0 +- 0.5	3
191.26 - 213.75 SSW	14.2 +- 0.5	2
213.76 - 236.25 SW	17.5 +- 4.4	3
236.26 - 258.75 WSW	15.1 +- 2.2	3
258.76 - 281.25 W	12.3 +- 1.9	2
281.26 - 303.75 WNW	18.1 +- 2.6	3
303.76 - 326.25 NW	17.1 +- 0.3	2
326.26 - 348.75 NNW	15.0 +- 1.1	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	13.4 +- 2.8	12
2 - 5	13.4 +- 3.0	21
> 5	16.1 +- 3.8	9
Upwind Control	19.4 +- 2.4	3

NRC TLD DOSES FOR McGUIRE AREA



MILLSTONE
TLD Direct Radiation Environmental Monitoring
For the period 970910-980310 182 Days
Field Time: 100 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	0	1.0	32.3 +- 1.0; 4.8	24.4 +- 0.9; 5.3	20.2 +- 1.3
2	24	1.3	24.5 +- 0.7; 3.7	17.4 +- 0.8; 4.5	15.0 +- 1.0
3	47	1.5	32.0 +- 1.0; 4.8	24.2 +- 0.9; 5.3	19.9 +- 1.2
4	60	1.7	28.4 +- 0.9; 4.3	20.9 +- 0.8; 4.9	18.3 +- 1.5
5	85	1.3	31.0 +- 0.9; 4.6	23.3 +- 0.9; 5.1	19.3 +- 1.1
6	110	1.8	30.5 +- 0.9; 4.6	22.8 +- 0.9; 5.1	18.8 +- 1.1
7	67	5.3	29.6 +- 0.9; 4.4	22.0 +- 0.9; 5.0	19.9 +- 1.9
8	49	5.3	26.0 +- 0.8; 3.9	18.7 +- 0.8; 4.6	20.0 +- 1.5
9	84	5.2	28.2 +- 0.8; 4.2	20.7 +- 0.8; 4.8	18.2 +- 1.0
11	232	2.5	29.2 +- 0.9; 4.4	21.6 +- 0.9; 4.9	18.0 +- 1.2
12	256	2.4	32.2 +- 1.0; 4.8	24.3 +- 0.9; 5.3	20.2 +- 1.2
13	274	2.2	31.2 +- 0.9; 4.7	23.5 +- 0.9; 5.2	20.1 +- 1.4
14	295	1.9	33.3 +- 1.0; 5.0	25.3 +- 1.0; 5.4	21.3 +- 1.4
15	315	1.5	27.0 +- 0.8; 4.1	19.7 +- 0.8; 4.7	15.9 +- 1.0
16	339	1.2	31.8 +- 1.0; 4.8	24.0 +- 0.9; 5.2	20.0 +- 1.1
17	353	3.5	29.9 +- 0.9; 4.5	22.3 +- 0.9; 5.0	19.0 +- 1.4
18	24	3.5	32.3 +- 1.0; 4.8	24.4 +- 0.9; 5.3	19.8 +- 1.4
19	33	3.0	33.4 +- 1.0; 5.0	25.4 +- 1.0; 5.4	21.3 +- 2.0
20	82	4.0	29.9 +- 0.9; 4.5	22.3 +- 0.9; 5.0	18.1 +- 1.1
22	59	3.7	29.1 +- 0.9; 4.4	21.6 +- 0.9; 4.9	20.2 +- 1.3
28	257	5.8	30.7 +- 0.9; 4.6	23.0 +- 0.9; 5.1	22.3 +- 2.5
29	272	3.7	33.9 +- 1.0; 5.1	25.9 +- 1.0; 5.5	21.9 +- 1.8
30	295	3.5	33.3 +- 1.0; 5.0	25.4 +- 1.0; 5.4	21.3 +- 1.4
31	317	3.6	29.4 +- 0.9; 4.4	21.8 +- 0.9; 5.0	18.5 +- 1.3
32	327	4.3	34.0 +- 1.0; 5.1	26.0 +- 1.0; 5.5	21.9 +- 1.7
33	41	4.7	30.7 +- 0.9; 4.6	23.0 +- 0.9; 5.1	19.9 +- 1.2
34	54	5.5	28.0 +- 0.8; 4.2	20.6 +- 0.8; 4.8	21.0 +- 1.3
37	354	6.8	29.6 +- 0.9; 4.4	22.0 +- 0.9; 5.0	19.4 +- 1.3
39	1	5.7	29.6 +- 0.9; 4.4	22.0 +- 0.9; 5.0	19.0 +- 1.2
40	278	8.7	29.4 +- 0.9; 4.4	21.8 +- 0.9; 5.0	17.2 +- 1.2
41	34	11.0	34.5 +- 1.0; 5.2	26.4 +- 1.0; 5.5	23.9 +- 1.6
42	84	8.0	31.2 +- 0.9; 4.7	23.5 +- 0.9; 5.2	19.4 +- 1.4
46	41	0.6	31.1 +- 0.9; 4.7	23.3 +- 0.9; 5.2	18.9 +- 1.4
48	4	40.0	38.3 +- 1.1; 5.7	29.8 +- 1.1; 6.0	24.5 +- 2.2
49	4	40.0	38.3 +- 1.1; 5.7	29.8 +- 1.1; 6.0	24.5 +- 2.1

Transit Dose = 5.2 +- 0.4; 3.3

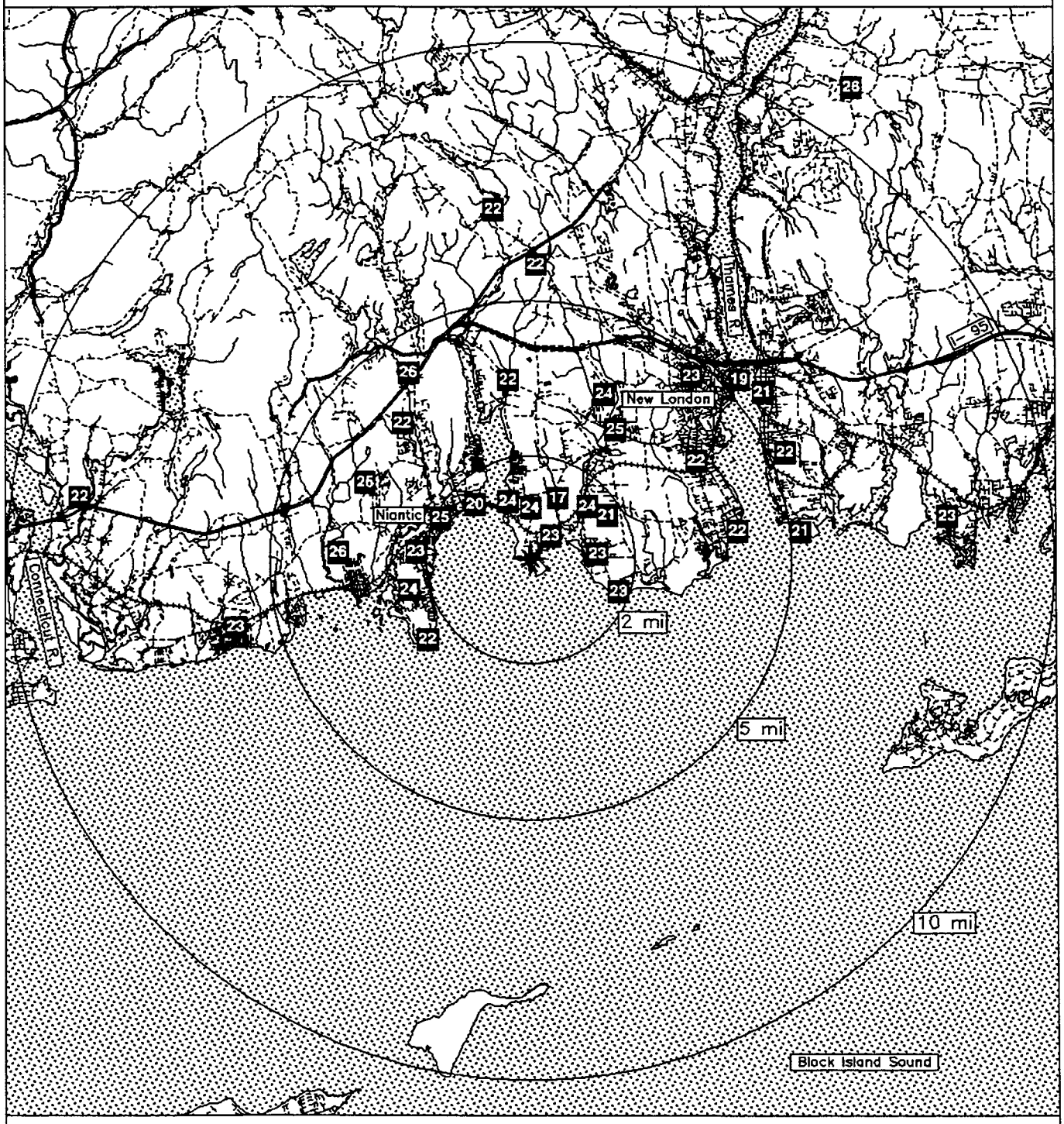
MILLSTONE
For the period 970910-980310

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	22.7 +- 1.2	4
11.26 - 33.75 NNE	22.4 +- 4.3	3
33.76 - 56.25 NE	22.7 +- 2.7	6
56.26 - 78.75 ENE	21.5 +- 0.5	3
78.76 - 101.25 E	22.4 +- 1.2	4
101.26 - 123.75 ESE	22.8 +- 0.0	1
123.76 - 146.25 SE	No Data +- No Data	0
146.26 - 168.75 SSE	No Data +- No Data	0
168.76 - 191.25 S	No Data +- No Data	0
191.26 - 213.75 SSW	No Data +- No Data	0
213.76 - 236.25 SW	21.6 +- 0.0	1
236.26 - 258.75 WSW	23.6 +- 1.0	2
258.76 - 281.25 W	23.7 +- 2.1	3
281.26 - 303.75 WNW	25.3 +- 0.1	2
303.76 - 326.25 NW	20.7 +- 1.5	2
326.26 - 348.75 NNW	25.0 +- 1.4	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	22.5 +- 2.4	10
2 - 5	23.6 +- 1.7	13
> 5	22.1 +- 2.0	10
Upwind Control	29.8 +- 0.0	2

NRC TLD DOSES FOR MILLSTONE AREA



Miles

0 2 4

Legend

Water
Highways
Railroads
Roads
Plant..site

MONTICELLO
TLD Direct Radiation Environmental Monitoring
For the period 970908-980113 128 Days
Field Time: 92 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	133	3.6	23.2 +- 0.7; 3.5	17.6 +- 0.8; 4.6	16.6 +- 1.2
2	163	4.6	22.5 +- 0.7; 3.4	16.9 +- 0.8; 4.5	17.4 +- 1.3
3	183	4.1	23.1 +- 0.7; 3.5	17.6 +- 0.8; 4.6	17.8 +- 1.3
4	206	4.3	22.9 +- 0.7; 3.4	17.3 +- 0.8; 4.5	17.5 +- 1.2
5	230	4.2	24.9 +- 0.7; 3.7	19.2 +- 0.8; 4.7	19.0 +- 1.9
6	253	4.6	22.2 +- 0.7; 3.3	16.7 +- 0.8; 4.5	17.7 +- 1.4
7	269	4.4	22.3 +- 0.7; 3.3	16.7 +- 0.8; 4.5	17.1 +- 1.4
8	286	4.0	23.8 +- 0.7; 3.6	18.2 +- 0.8; 4.6	18.0 +- 1.4
9	274	1.9	22.0 +- 0.7; 3.3	16.5 +- 0.7; 4.4	17.0 +- 1.2
10	244	1.3	19.0 +- 0.6; 2.9	13.5 +- 0.7; 4.1	15.4 +- 1.2
11	226	0.9	21.9 +- 0.7; 3.3	16.3 +- 0.7; 4.4	16.8 +- 1.3
12	181	1.8	21.7 +- 0.7; 3.3	16.1 +- 0.7; 4.4	17.0 +- 1.3
13	137	1.7	19.9 +- 0.6; 3.0	14.4 +- 0.7; 4.2	16.8 +- 1.3
14	155	1.0	21.5 +- 0.6; 3.2	16.0 +- 0.7; 4.4	17.1 +- 1.1
15	208	0.6	20.8 +- 0.6; 3.1	15.2 +- 0.7; 4.3	16.6 +- 1.2
16	284	2.0	21.8 +- 0.7; 3.3	16.2 +- 0.7; 4.4	16.5 +- 1.0
17	113	1.6	21.6 +- 0.6; 3.2	16.0 +- 0.7; 4.4	17.1 +- 1.3
18	85	1.1	21.6 +- 0.6; 3.2	16.0 +- 0.7; 4.4	16.6 +- 1.2
19	63	1.2	20.1 +- 0.6; 3.0	14.5 +- 0.7; 4.2	16.9 +- 1.4
20	37	1.7	22.2 +- 0.7; 3.3	16.6 +- 0.8; 4.5	16.9 +- 1.0
21	23	0.8	20.3 +- 0.6; 3.0	14.8 +- 0.7; 4.3	16.9 +- 1.2
22	354	0.7	24.3 +- 0.7; 3.6	18.7 +- 0.8; 4.7	17.3 +- 1.2
23	338	0.8	22.1 +- 0.7; 3.3	16.6 +- 0.8; 4.4	17.1 +- 1.4
24	307	1.8	20.3 +- 0.6; 3.0	14.8 +- 0.7; 4.3	17.0 +- 1.2
25	339	4.1	23.5 +- 0.7; 3.5	17.9 +- 0.8; 4.6	16.6 +- 1.2
26	320	6.0	21.1 +- 0.6; 3.2	15.5 +- 0.7; 4.3	16.8 +- 1.2
27	354	4.5	21.4 +- 0.6; 3.2	15.8 +- 0.7; 4.4	16.8 +- 1.5
28	17	3.7	21.0 +- 0.6; 3.1	15.4 +- 0.7; 4.3	15.9 +- 1.4
29	50	4.0	18.8 +- 0.6; 2.8	13.3 +- 0.7; 4.1	15.7 +- 1.4
30	77	3.6	21.4 +- 0.6; 3.2	15.9 +- 0.7; 4.4	16.9 +- 1.3
31	115	3.3	20.6 +- 0.6; 3.1	15.1 +- 0.7; 4.3	16.6 +- 1.2
32	90	4.6	18.5 +- 0.6; 2.8	13.0 +- 0.7; 4.1	15.6 +- 1.6
33	323	16.0	20.9 +- 0.6; 3.1	15.3 +- 0.7; 4.3	16.5 +- 1.4
34	323	16.0	20.8 +- 0.6; 3.1	15.3 +- 0.7; 4.3	16.5 +- 1.2
35	323	16.0	21.4 +- 0.6; 3.2	15.8 +- 0.7; 4.4	17.3 +- 1.3

Transit Dose = 5.2 +- 0.4; 3.1

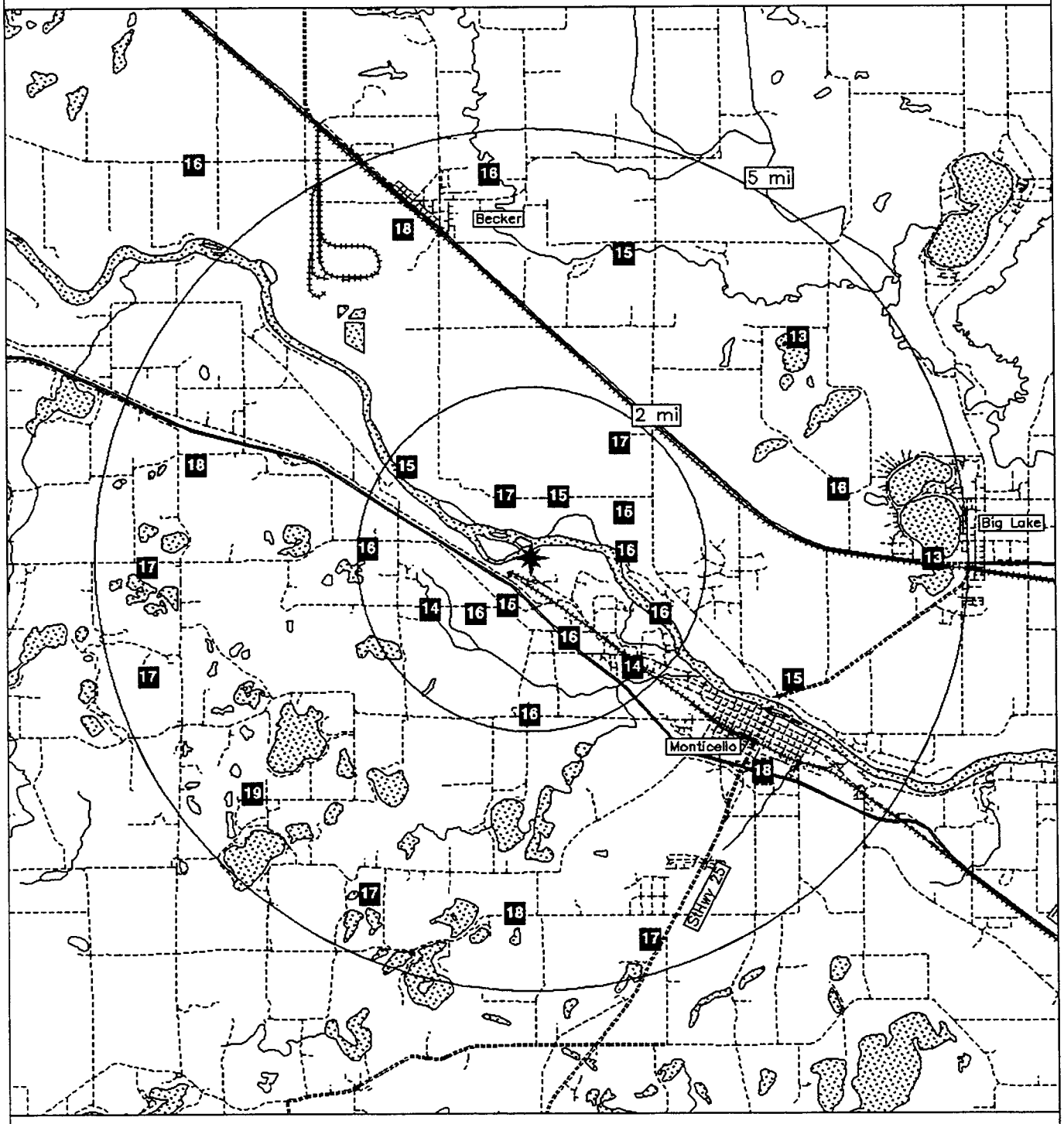
MONTICELLO
For the period 970908-980113

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	17.2 +- 2.0	2
11.26 - 33.75 NNE	15.1 +- 0.4	2
33.76 - 56.25 NE	15.0 +- 2.4	2
56.26 - 78.75 ENE	15.2 +- 0.9	2
78.76 - 101.25 E	14.5 +- 2.1	2
101.26 - 123.75 ESE	15.6 +- 0.7	2
123.76 - 146.25 SE	16.0 +- 2.3	2
146.26 - 168.75 SSE	16.4 +- 0.7	2
168.76 - 191.25 S	16.9 +- 1.0	2
191.26 - 213.75 SSW	16.3 +- 1.4	2
213.76 - 236.25 SW	17.8 +- 2.1	2
236.26 - 258.75 WSW	15.1 +- 2.2	2
258.76 - 281.25 W	16.6 +- 0.2	2
281.26 - 303.75 WNW	17.2 +- 1.4	2
303.76 - 326.25 NW	15.2 +- 0.5	2
326.26 - 348.75 NNW	17.2 +- 0.9	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	15.8 +- 1.2	16
2 - 5	16.4 +- 1.7	15
> 5	15.5 +- 0.0	1
Upwind Control	15.5 +- 0.3	3

NRC TLD DOSES FOR MONTICELLO AREA



NORTH ANNA
TLD Direct Radiation Environmental Monitoring
For the period 970909-980205 150 Days
Field Time: 99 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	243	1.8	28.5 +- 0.9; 4.3	21.7 +- 0.9; 4.9	21.2 +- 1.5
2	263	1.6	24.3 +- 0.7; 3.6	17.9 +- 0.7; 4.4	17.7 +- 1.2
3	296	1.0	23.5 +- 0.7; 3.5	17.2 +- 0.7; 4.4	17.8 +- 1.4
4	311	1.3	30.4 +- 0.9; 4.6	23.5 +- 0.9; 5.1	22.4 +- 1.3
5	329	1.3	24.9 +- 0.7; 3.7	18.5 +- 0.8; 4.5	19.0 +- 1.2
6	231	3.9	26.9 +- 0.8; 4.0	20.3 +- 0.8; 4.7	20.7 +- 1.4
7	224	1.7	26.1 +- 0.8; 3.9	19.6 +- 0.8; 4.6	20.1 +- 1.3
8	210	1.6	24.6 +- 0.7; 3.7	18.2 +- 0.8; 4.5	18.2 +- 1.2
9	181	1.4	21.7 +- 0.7; 3.3	15.6 +- 0.7; 4.2	16.0 +- 1.1
10	155	1.0	31.3 +- 0.9; 4.7	24.3 +- 0.9; 5.2	23.8 +- 1.4
11	136	1.6	26.1 +- 0.8; 3.9	19.6 +- 0.8; 4.6	18.3 +- 1.5
12	163	3.5	26.1 +- 0.8; 3.9	19.6 +- 0.8; 4.6	19.2 +- 1.1
13	190	3.3	25.3 +- 0.8; 3.8	18.9 +- 0.8; 4.5	17.8 +- 1.4
14	205	4.9	23.2 +- 0.7; 3.5	16.9 +- 0.7; 4.3	16.8 +- 1.3
15	140	4.2	27.1 +- 0.8; 4.1	20.5 +- 0.8; 4.7	19.2 +- 1.1
16	113	4.9	29.7 +- 0.9; 4.5	22.9 +- 0.9; 5.0	22.9 +- 1.6
17	93	3.3	21.8 +- 0.7; 3.3	15.7 +- 0.7; 4.2	16.1 +- 1.1
18	64	4.1	27.1 +- 0.8; 4.1	20.5 +- 0.8; 4.7	19.4 +- 1.2
19	78	2.7	37.2 +- 1.1; 5.6	29.7 +- 1.1; 5.9	29.1 +- 1.4
20	97	1.9	27.9 +- 0.8; 4.2	21.2 +- 0.8; 4.8	20.7 +- 1.7
21	105	1.7	22.1 +- 0.7; 3.3	16.0 +- 0.7; 4.2	16.8 +- 1.2
22	60	2.4	25.0 +- 0.8; 3.8	18.6 +- 0.8; 4.5	17.2 +- 1.2
23	37	1.4	25.6 +- 0.8; 3.8	19.2 +- 0.8; 4.6	18.9 +- 1.4
24	16	1.6	32.9 +- 1.0; 4.9	25.7 +- 1.0; 5.4	24.1 +- 1.4
25	48	3.5	21.5 +- 0.6; 3.2	15.4 +- 0.7; 4.2	15.9 +- 1.7
26	17	3.7	26.8 +- 0.8; 4.0	20.2 +- 0.8; 4.7	19.4 +- 1.4
27	3	4.8	23.1 +- 0.7; 3.5	16.8 +- 0.7; 4.3	17.4 +- 1.6
28	348	4.0	25.1 +- 0.8; 3.8	18.6 +- 0.8; 4.5	17.4 +- 1.1
29	2	1.9	23.3 +- 0.7; 3.5	17.1 +- 0.7; 4.3	16.9 +- 1.1
30	284	5.0	22.4 +- 0.7; 3.4	16.2 +- 0.7; 4.2	17.0 +- 1.4
31	310	4.7	27.2 +- 0.8; 4.1	20.6 +- 0.8; 4.7	20.1 +- 1.3
32	273	4.9	22.5 +- 0.7; 3.4	16.3 +- 0.7; 4.3	14.7 +- 1.7
33	257	5.1	24.6 +- 0.7; 3.7	18.2 +- 0.8; 4.5	18.3 +- 1.4
34	242	7.1	25.3 +- 0.8; 3.8	18.9 +- 0.8; 4.5	19.2 +- 1.7
35	255	11.0	24.0 +- 0.7; 3.6	17.7 +- 0.7; 4.4	18.2 +- 1.6
36	248	15.0	25.1 +- 0.8; 3.8	18.6 +- 0.8; 4.5	18.5 +- 1.4
37	247	17.0	24.3 +- 0.7; 3.6	18.0 +- 0.7; 4.4	17.8 +- 1.4
38	244	19.0	20.6 +- 0.6; 3.1	14.6 +- 0.7; 4.1	17.0 +- 1.6

Transit Dose = 4.6 +- 0.4; 3.2

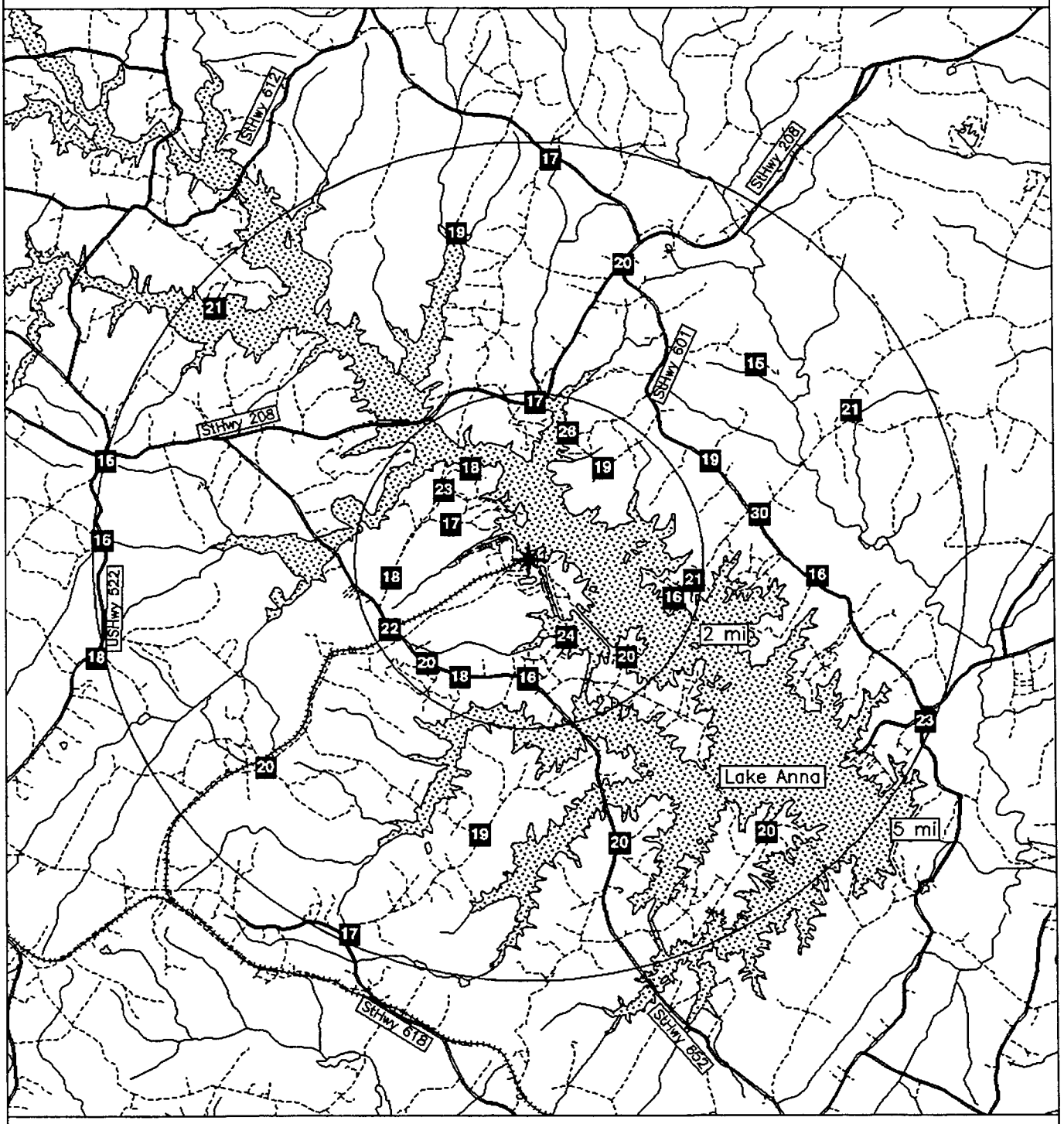
NORTH ANNA
For the period 970909-980205

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	16.9 +- 0.2	2
11.26 - 33.75 NNE	23.0 +- 3.9	2
33.76 - 56.25 NE	17.3 +- 2.6	2
56.26 - 78.75 ENE	22.9 +- 5.9	3
78.76 - 101.25 E	18.5 +- 3.9	2
101.26 - 123.75 ESE	19.4 +- 4.9	2
123.76 - 146.25 SE	20.0 +- 0.6	2
146.26 - 168.75 SSE	21.9 +- 3.3	2
168.76 - 191.25 S	17.2 +- 2.3	2
191.26 - 213.75 SSW	17.6 +- 0.9	2
213.76 - 236.25 SW	19.9 +- 0.5	2
236.26 - 258.75 WSW	19.1 +- 1.8	4
258.76 - 281.25 W	17.1 +- 1.1	2
281.26 - 303.75 WNW	16.7 +- 0.7	2
303.76 - 326.25 NW	22.0 +- 2.0	2
326.26 - 348.75 NNW	18.5 +- 0.1	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	19.7 +- 3.0	15
2 - 5	19.3 +- 3.4	17
> 5	18.2 +- 0.6	3
Upwind Control	17.1 +- 2.2	3

NRC TLD DOSES FOR NORTH ANNA AREA



OCONEE
TLD Direct Radiation Environmental Monitoring
For the period 970909-980211 156 Days
Field Time: 112 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	158	7.5	30.5 +- 0.9; 4.6	22.1 +- 0.8; 4.6	22.2 +- 1.9
2	133	4.9	34.5 +- 1.0; 5.2	25.3 +- 0.9; 5.0	25.0 +- 1.7
3	119	4.3	35.8 +- 1.1; 5.4	26.3 +- 0.9; 5.2	24.5 +- 1.4
4	84	4.7	33.6 +- 1.0; 5.0	24.6 +- 0.9; 4.9	24.5 +- 1.2
5	65	4.0	33.0 +- 1.0; 4.9	24.0 +- 0.8; 4.9	23.5 +- 1.5
6	52	1.8	32.7 +- 1.0; 4.9	23.8 +- 0.8; 4.8	24.4 +- 1.6
7	22	3.5	33.3 +- 1.0; 5.0	24.3 +- 0.9; 4.9	24.7 +- 1.5
8	33	1.4	32.5 +- 1.0; 4.9	23.7 +- 0.8; 4.8	24.7 +- 1.4
9	52	1.8	27.0 +- 0.8; 4.1	19.3 +- 0.7; 4.3	19.4 +- 1.3
10	67	1.1	Damaged Dosimeter	No Net Data	17.7 +- 2.1
11	107	1.9	27.0 +- 0.8; 4.1	19.3 +- 0.7; 4.3	18.9 +- 1.2
12	87	1.0	30.4 +- 0.9; 4.6	22.0 +- 0.8; 4.6	21.7 +- 1.4
13	142	0.7	30.8 +- 0.9; 4.6	22.3 +- 0.8; 4.7	22.5 +- 1.3
14	166	0.7	26.7 +- 0.8; 4.0	19.0 +- 0.7; 4.3	18.8 +- 2.3
15	226	1.7	31.5 +- 0.9; 4.7	22.9 +- 0.8; 4.7	21.5 +- 1.3
16	207	1.4	29.6 +- 0.9; 4.4	21.4 +- 0.8; 4.5	21.2 +- 1.2
17	182	2.2	24.9 +- 0.7; 3.7	17.5 +- 0.7; 4.1	18.0 +- 1.5
18	186	3.8	29.4 +- 0.9; 4.4	21.2 +- 0.8; 4.5	19.2 +- 1.2
19	155	4.1	31.7 +- 1.0; 4.8	23.1 +- 0.8; 4.7	23.5 +- 1.2
20	203	8.4	24.7 +- 0.7; 3.7	17.4 +- 0.7; 4.1	17.9 +- 1.8
21	210	4.6	26.2 +- 0.8; 3.9	18.6 +- 0.7; 4.2	18.8 +- 1.2
22	227	4.8	29.0 +- 0.9; 4.3	20.9 +- 0.8; 4.5	21.4 +- 2.5
23	240	3.6	26.4 +- 0.8; 4.0	18.8 +- 0.7; 4.2	19.4 +- 1.9
24	268	3.6	34.0 +- 1.0; 5.1	24.9 +- 0.9; 5.0	23.6 +- 1.3
25	257	1.9	26.3 +- 0.8; 3.9	18.7 +- 0.7; 4.2	18.5 +- 1.4
26	293	3.6	30.8 +- 0.9; 4.6	22.3 +- 0.8; 4.7	21.0 +- 1.5
27	311	3.5	24.9 +- 0.7; 3.7	17.6 +- 0.7; 4.1	17.7 +- 0.9
28	288	2.0	Missing Dosimeter	No Net Data	19.8 +- 1.3
29	275	1.8	25.8 +- 0.8; 3.9	18.3 +- 0.7; 4.2	18.8 +- 1.1
30	321	1.8	30.3 +- 0.9; 4.5	21.9 +- 0.8; 4.6	21.6 +- 1.2
31	344	2.0	24.5 +- 0.7; 3.7	17.3 +- 0.7; 4.1	16.9 +- 1.2
32	336	3.7	36.8 +- 1.1; 5.5	27.2 +- 0.9; 5.3	25.8 +- 1.7
33	358	4.5	28.4 +- 0.9; 4.3	20.4 +- 0.7; 4.4	21.0 +- 1.8
34	256	9.4	36.5 +- 1.1; 5.5	26.9 +- 0.9; 5.2	27.2 +- 1.6
35	149	21.0	30.2 +- 0.9; 4.5	21.8 +- 0.8; 4.6	22.5 +- 1.5
36	126	8.2	33.2 +- 1.0; 5.0	24.3 +- 0.9; 4.9	24.2 +- 1.5
37	96	9.7	34.8 +- 1.0; 5.2	25.5 +- 0.9; 5.1	24.2 +- 1.2
38	32	16.0	40.3 +- 1.2; 6.1	30.0 +- 1.0; 5.6	30.2 +- 1.9
39	31	16.0	35.5 +- 1.1; 5.3	26.1 +- 0.9; 5.1	25.0 +- 1.7
40	29	16.0	35.9 +- 1.1; 5.4	26.4 +- 0.9; 5.2	26.9 +- 1.6

Transit Dose = 3.1 +- 0.4; 3.5

OCONEE
For the period 970909-980211

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	20.4 +- 0.0	1
11.26 - 33.75 NNE	24.0 +- 0.4	2
33.76 - 56.25 NE	21.5 +- 3.2	2
56.26 - 78.75 ENE	24.0 +- 0.0	1
78.76 - 101.25 E	24.0 +- 1.8	3
101.26 - 123.75 ESE	22.8 +- 5.0	2
123.76 - 146.25 SE	24.0 +- 1.5	3
146.26 - 168.75 SSE	21.5 +- 1.7	4
168.76 - 191.25 S	19.4 +- 2.6	2
191.26 - 213.75 SSW	19.1 +- 2.0	3
213.76 - 236.25 SW	21.9 +- 1.4	2
236.26 - 258.75 WSW	21.4 +- 4.7	3
258.76 - 281.25 W	21.6 +- 4.7	2
281.26 - 303.75 WNW	22.3 +- 0.0	1
303.76 - 326.25 NW	19.7 +- 3.0	2
326.26 - 348.75 NNW	22.2 +- 7.0	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	20.7 +- 2.2	13
2 - 5	22.3 +- 3.1	16
> 5	23.0 +- 3.4	6
Upwind Control	27.5 +- 2.1	3

NRC TLD DOSES FOR OCONEE AREA

Miles

0 2 4

Legend

Water

Highways

Railroads

Roads

Plant..site

OYSTER CREEK
TLD Direct Radiation Environmental Monitoring
For the period 970910-980113 126 Days
Field Time: 91 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)	Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	141 0.5	Missing Dosimeter	No Net Data	11.3 +- 1.1
2	120 0.9	14.1 +- 0.4; 2.1	10.6 +- 0.5; 3.6	11.1 +- 1.1
3	105 1.5	14.2 +- 0.4; 2.1	10.8 +- 0.5; 3.6	12.1 +- 0.8
4	127 1.5	13.0 +- 0.4; 1.9	9.5 +- 0.5; 3.5	11.1 +- 0.8
5	137 1.3	Missing Dosimeter	No Net Data	11.8 +- 1.0
6	158 1.2	14.6 +- 0.4; 2.2	11.2 +- 0.5; 3.6	11.4 +- 0.7
7	176 2.2	14.0 +- 0.4; 2.1	10.6 +- 0.5; 3.6	12.0 +- 0.9
8	179 1.6	14.8 +- 0.4; 2.2	11.4 +- 0.5; 3.6	11.8 +- 0.8
9	159 2.8	13.6 +- 0.4; 2.0	10.1 +- 0.5; 3.5	10.6 +- 0.7
10	187 8.4	14.3 +- 0.4; 2.1	10.8 +- 0.5; 3.6	11.6 +- 1.0
11	173 4.4	13.8 +- 0.4; 2.1	10.3 +- 0.5; 3.5	11.6 +- 0.8
12	196 4.2	14.1 +- 0.4; 2.1	10.6 +- 0.5; 3.6	11.7 +- 0.9
13	198 8.6	12.8 +- 0.4; 1.9	9.4 +- 0.5; 3.4	10.8 +- 0.6
14	185 10.0	15.3 +- 0.5; 2.3	11.8 +- 0.6; 3.7	13.2 +- 1.0
15	171 11.0	13.4 +- 0.4; 2.0	9.9 +- 0.5; 3.5	11.4 +- 0.9
16	154 8.2	Missing Dosimeter	No Net Data	11.9 +- 0.8
17	126 6.3	15.1 +- 0.5; 2.3	11.7 +- 0.6; 3.6	12.4 +- 0.9
18	220 4.6	13.8 +- 0.4; 2.1	10.3 +- 0.5; 3.5	11.3 +- 1.0
19	231 2.3	14.1 +- 0.4; 2.1	10.6 +- 0.5; 3.6	11.3 +- 0.8
20	211 1.6	13.2 +- 0.4; 2.0	9.7 +- 0.5; 3.5	10.9 +- 0.6
22	258 1.5	14.3 +- 0.4; 2.1	10.8 +- 0.5; 3.6	11.4 +- 0.8
23	271 1.2	12.4 +- 0.4; 1.9	9.0 +- 0.5; 3.4	10.8 +- 0.8
24	297 1.3	12.8 +- 0.4; 1.9	9.4 +- 0.5; 3.4	11.5 +- 1.1
25	318 1.5	13.1 +- 0.4; 2.0	9.6 +- 0.5; 3.5	10.6 +- 0.8
26	341 3.2	16.8 +- 0.5; 2.5	13.3 +- 0.6; 3.8	12.9 +- 1.1
27	330 4.6	14.5 +- 0.4; 2.2	11.0 +- 0.5; 3.6	11.9 +- 0.8
28	358 3.2	Missing Dosimeter	No Net Data	11.0 +- 0.6
29	4 1.8	14.4 +- 0.4; 2.2	10.9 +- 0.5; 3.6	11.5 +- 0.8
30	19 0.8	13.8 +- 0.4; 2.1	10.4 +- 0.5; 3.5	11.4 +- 0.7
31	69 1.4	16.2 +- 0.5; 2.4	12.7 +- 0.6; 3.7	12.4 +- 1.4
32	78 2.5	14.2 +- 0.4; 2.1	10.8 +- 0.5; 3.6	10.8 +- 0.8
33	85 2.2	12.5 +- 0.4; 1.9	9.1 +- 0.5; 3.4	10.7 +- 1.0
34	38 1.7	13.4 +- 0.4; 2.0	10.0 +- 0.5; 3.5	11.3 +- 0.6
35	24 1.9	14.0 +- 0.4; 2.1	10.6 +- 0.5; 3.5	12.0 +- 1.1
36	50 3.0	13.6 +- 0.4; 2.0	10.2 +- 0.5; 3.5	11.9 +- 1.3
37	46 4.8	13.2 +- 0.4; 2.0	9.8 +- 0.5; 3.5	10.7 +- 1.1
38	27 4.0	15.4 +- 0.5; 2.3	11.9 +- 0.6; 3.7	12.5 +- 0.6
39	12 8.9	13.6 +- 0.4; 2.0	10.1 +- 0.5; 3.5	12.0 +- 0.9
40	10 8.7	12.7 +- 0.4; 1.9	9.2 +- 0.5; 3.4	11.0 +- 0.6
41	3 9.9	15.6 +- 0.5; 2.3	12.1 +- 0.6; 3.7	11.8 +- 0.8
42	38 10.0	13.7 +- 0.4; 2.1	10.3 +- 0.5; 3.5	12.1 +- 0.8
43	46 9.1	14.5 +- 0.4; 2.2	11.1 +- 0.5; 3.6	14.0 +- 0.9
44	73 6.5	13.4 +- 0.4; 2.0	9.9 +- 0.5; 3.5	10.8 +- 0.6
45	79 6.0	14.8 +- 0.4; 2.2	11.4 +- 0.5; 3.6	12.1 +- 0.7
46	278 20.0	14.9 +- 0.4; 2.2	11.4 +- 0.5; 3.6	12.3 +- 0.7
47	278 20.0	15.6 +- 0.5; 2.3	12.2 +- 0.6; 3.7	12.5 +- 0.5

Transit Dose = 3.3 +- 0.3; 2.9

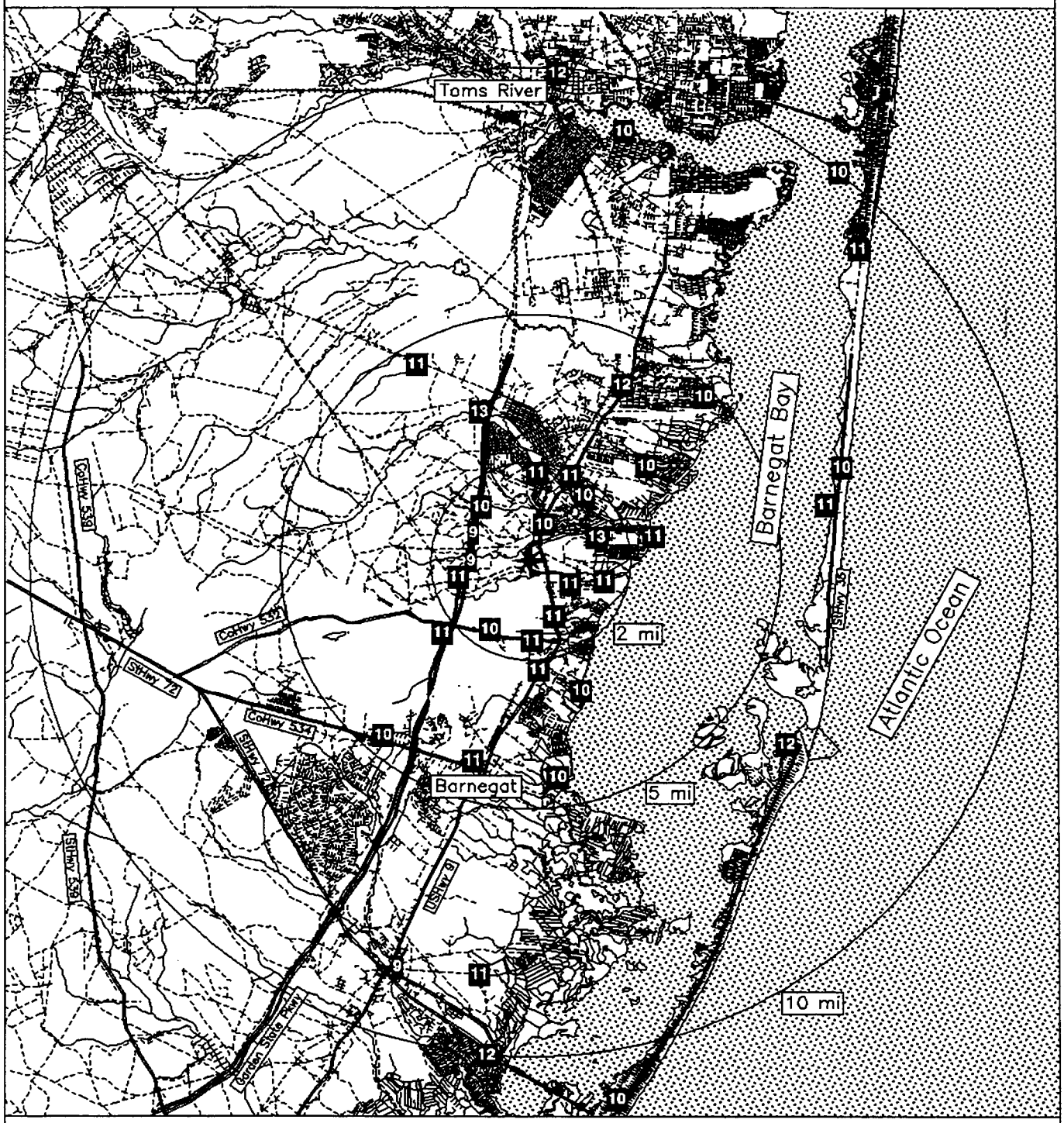
OYSTER CREEK
For the period 970910-980113

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	10.8 +- 1.4	3
11.26 - 33.75 NNE	10.7 +- 0.8	4
33.76 - 56.25 NE	10.3 +- 0.5	5
56.26 - 78.75 ENE	11.1 +- 1.4	3
78.76 - 101.25 E	10.2 +- 1.7	2
101.26 - 123.75 ESE	10.7 +- 0.1	2
123.76 - 146.25 SE	10.6 +- 1.5	2
146.26 - 168.75 SSE	10.6 +- 0.7	2
168.76 - 191.25 S	10.8 +- 0.7	6
191.26 - 213.75 SSW	9.9 +- 0.7	3
213.76 - 236.25 SW	10.5 +- 0.2	2
236.26 - 258.75 WSW	10.8 +- 0.0	1
258.76 - 281.25 W	9.0 +- 0.0	1
281.26 - 303.75 WNW	9.4 +- 0.0	1
303.76 - 326.25 NW	9.6 +- 0.0	1
326.26 - 348.75 NNW	12.2 +- 1.6	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	10.4 +- 1.0	15
2 - 5	10.7 +- 1.0	13
> 5	10.6 +- 1.0	12
Upwind Control	11.8 +- 0.5	2

NRC TLD DOSES FOR OYSTER CREEK AREA



PALISADES
TLD Direct Radiation Environmental Monitoring
For the period 970908-980209 155 Days
Field Time: 104 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	195	4.9	21.9 +- 0.7; 3.3	12.8 +- 0.7; 4.2	12.8 +- 0.9
2	173	4.6	21.4 +- 0.6; 3.2	12.3 +- 0.7; 4.2	13.2 +- 0.9
3	156	3.9	22.6 +- 0.7; 3.4	13.3 +- 0.7; 4.3	14.4 +- 1.1
4	132	4.6	23.1 +- 0.7; 3.5	13.8 +- 0.7; 4.3	13.6 +- 1.1
5	118	3.3	23.3 +- 0.7; 3.5	14.0 +- 0.7; 4.4	14.5 +- 1.1
6	152	1.8	20.3 +- 0.6; 3.0	11.4 +- 0.7; 4.1	13.1 +- 1.1
7	196	2.2	22.3 +- 0.7; 3.3	13.1 +- 0.7; 4.3	12.8 +- 0.9
8	178	1.6	21.6 +- 0.6; 3.2	12.5 +- 0.7; 4.2	13.5 +- 1.4
9	200	0.9	19.8 +- 0.6; 3.0	10.9 +- 0.7; 4.1	13.2 +- 1.1
10	124	1.8	Missing Dosimeter	No Net Data	13.3 +- 1.7
11	107	1.6	23.4 +- 0.7; 3.5	14.0 +- 0.7; 4.4	14.1 +- 1.2
12	90	1.5	20.8 +- 0.6; 3.1	11.8 +- 0.7; 4.1	12.8 +- 1.1
13	65	1.7	23.1 +- 0.7; 3.5	13.8 +- 0.7; 4.3	13.5 +- 1.3
14	51	1.9	Missing Dosimeter	No Net Data	13.2 +- 1.0
15	74	3.7	21.6 +- 0.6; 3.2	12.5 +- 0.7; 4.2	12.4 +- 1.2
16	90	3.6	Damaged Dosimeter	No Net Data	12.3 +- 1.4
17	98	10.0	22.9 +- 0.7; 3.4	13.6 +- 0.7; 4.3	14.5 +- 1.1
18	47	4.5	23.1 +- 0.7; 3.5	13.8 +- 0.7; 4.3	15.2 +- 0.9
19	23	1.5	20.9 +- 0.6; 3.1	11.8 +- 0.7; 4.1	12.5 +- 1.3
20	32	4.8	23.7 +- 0.7; 3.6	14.3 +- 0.7; 4.4	15.1 +- 1.3
21	29	7.0	22.3 +- 0.7; 3.3	13.1 +- 0.7; 4.3	14.1 +- 0.9
22	99	15.0	22.8 +- 0.7; 3.4	13.5 +- 0.7; 4.3	14.5 +- 0.9
23	98	18.0	23.4 +- 0.7; 3.5	14.0 +- 0.7; 4.4	14.6 +- 1.0
24	98	18.0	23.6 +- 0.7; 3.5	14.2 +- 0.7; 4.4	14.3 +- 1.0

Transit Dose = 7.2 +- 0.5; 3.6

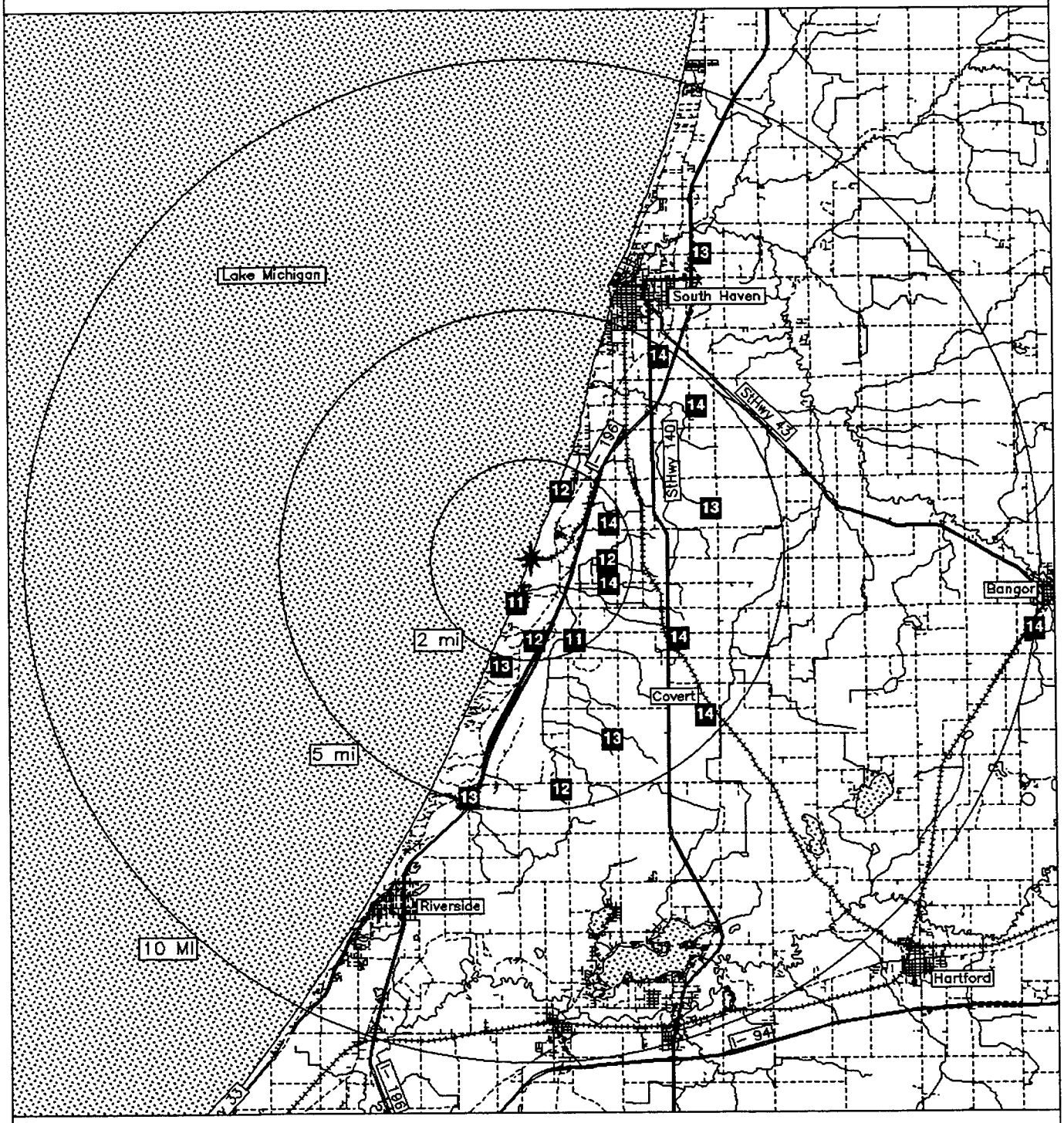
PALISADES
For the period 970908-980209

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	No Data +- No Data	0
11.26 - 33.75 NNE	13.1 +- 1.2	3
33.76 - 56.25 NE	13.8 +- 0.0	1
56.26 - 78.75 ENE	13.2 +- 0.9	2
78.76 - 101.25 E	12.7 +- 1.3	2
101.26 - 123.75 ESE	14.0 +- 0.0	2
123.76 - 146.25 SE	13.8 +- 0.0	1
146.26 - 168.75 SSE	12.4 +- 1.4	2
168.76 - 191.25 S	12.4 +- 0.1	2
191.26 - 213.75 SSW	12.3 +- 1.2	3
213.76 - 236.25 SW	No Data +- No Data	0
236.26 - 258.75 WSW	No Data +- No Data	0
258.76 - 281.25 W	No Data +- No Data	0
281.26 - 303.75 WNW	No Data +- No Data	0
303.76 - 326.25 NW	No Data +- No Data	0
326.26 - 348.75 NNW	No Data +- No Data	0

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	12.3 +- 1.2	7
2 - 5	13.3 +- 0.7	9
> 5	13.3 +- 0.4	2
Upwind Control	13.9 +- 0.3	3

NRC TLD DOSES FOR PALISADES AREA



Miles

0 2 4

Legend

Water
Highways
Railroads
Roads
Plant..site

PALO VERDE
TLD Direct Radiation Environmental Monitoring
For the period 970908-980113 128 Days
Field Time: 92 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	74	23.0	24.1 +- 0.7; 3.6	20.8 +- 0.8; 4.5	20.2 +- 1.2
2	92	21.0	23.6 +- 0.7; 3.5	20.3 +- 0.8; 4.5	20.7 +- 1.4
3	89	15.0	23.5 +- 0.7; 3.5	20.2 +- 0.8; 4.5	20.3 +- 1.4
4	103	11.0	24.9 +- 0.7; 3.7	21.6 +- 0.8; 4.6	20.2 +- 1.2
5	140	7.4	24.7 +- 0.7; 3.7	21.4 +- 0.8; 4.6	21.7 +- 1.4
6	142	3.1	23.4 +- 0.7; 3.5	20.1 +- 0.8; 4.5	20.8 +- 1.4
7	162	2.6	24.2 +- 0.7; 3.6	20.9 +- 0.8; 4.5	20.7 +- 1.3
8	168	2.6	25.2 +- 0.8; 3.8	21.8 +- 0.8; 4.7	21.1 +- 1.4
9	193	2.6	26.8 +- 0.8; 4.0	23.4 +- 0.8; 4.8	22.2 +- 1.1
10	215	3.1	25.9 +- 0.8; 3.9	22.5 +- 0.8; 4.7	22.3 +- 1.4
11	200	1.7	25.6 +- 0.8; 3.8	22.2 +- 0.8; 4.7	22.4 +- 1.3
12	214	1.0	25.9 +- 0.8; 3.9	22.6 +- 0.8; 4.7	21.7 +- 1.4
13	242	0.7	27.0 +- 0.8; 4.0	23.6 +- 0.8; 4.9	23.6 +- 1.4
14	263	0.6	24.2 +- 0.7; 3.6	20.9 +- 0.8; 4.5	21.8 +- 1.5
15	295	0.6	24.9 +- 0.7; 3.7	21.6 +- 0.8; 4.6	21.6 +- 1.4
16	325	1.0	25.1 +- 0.8; 3.8	21.8 +- 0.8; 4.7	21.5 +- 1.3
17	347	1.8	26.7 +- 0.8; 4.0	23.3 +- 0.8; 4.8	22.8 +- 1.7
18	0	2.4	25.3 +- 0.8; 3.8	21.9 +- 0.8; 4.7	22.6 +- 1.2
19	18	1.5	27.1 +- 0.8; 4.1	23.7 +- 0.9; 4.9	20.8 +- 1.8
20	37	2.0	25.4 +- 0.8; 3.8	22.1 +- 0.8; 4.7	21.5 +- 1.0
21	58	2.3	24.8 +- 0.7; 3.7	21.4 +- 0.8; 4.6	22.1 +- 1.3
22	75	2.8	26.0 +- 0.8; 3.9	22.7 +- 0.8; 4.8	22.9 +- 1.0
23	93	4.4	24.1 +- 0.7; 3.6	20.8 +- 0.8; 4.5	22.1 +- 1.4
24	101	3.3	23.8 +- 0.7; 3.6	20.5 +- 0.8; 4.5	21.9 +- 2.0
25	346	2.9	25.7 +- 0.8; 3.9	22.4 +- 0.8; 4.7	21.9 +- 1.4
26	334	4.3	Missing Dosimeter	No Net Data	24.4 +- 1.4
27	333	7.9	29.4 +- 0.9; 4.4	26.0 +- 0.9; 5.2	25.6 +- 2.3
28	0	7.0	27.2 +- 0.8; 4.1	23.8 +- 0.9; 4.9	22.7 +- 1.4
29	9	4.2	26.2 +- 0.8; 3.9	22.9 +- 0.8; 4.8	23.6 +- 1.5
30	27	3.6	24.5 +- 0.7; 3.7	21.2 +- 0.8; 4.6	22.9 +- 1.5
31	49	3.5	25.7 +- 0.8; 3.9	22.3 +- 0.8; 4.7	23.4 +- 1.2
32	120	3.3	Missing Dosimeter	No Net Data	24.1 +- 1.3

Transit Dose = 2.9 +- 0.3; 2.9

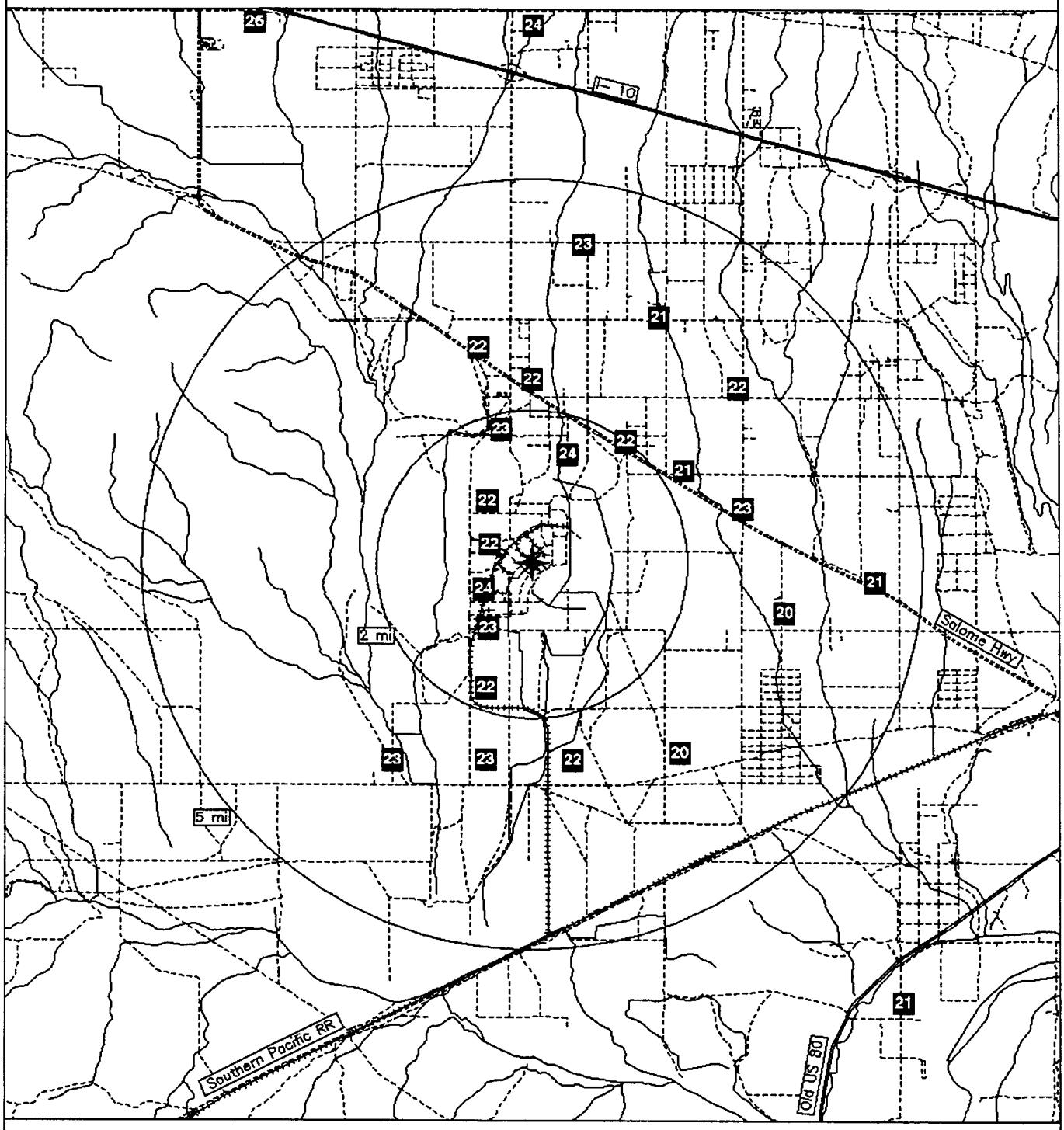
PALO VERDE
For the period 970908-980113

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	22.9 +- 0.9	3
11.26 - 33.75 NNE	22.5 +- 1.7	2
33.76 - 56.25 NE	22.2 +- 0.2	2
56.26 - 78.75 ENE	22.1 +- 0.9	2
78.76 - 101.25 E	20.6 +- 0.2	2
101.26 - 123.75 ESE	21.6 +- 0.0	1
123.76 - 146.25 SE	20.8 +- 0.9	2
146.26 - 168.75 SSE	21.3 +- 0.7	2
168.76 - 191.25 S	No Data +- No Data	0
191.26 - 213.75 SSW	22.8 +- 0.8	2
213.76 - 236.25 SW	22.6 +- 0.0	2
236.26 - 258.75 WSW	23.6 +- 0.0	1
258.76 - 281.25 W	20.9 +- 0.0	1
281.26 - 303.75 WNW	21.6 +- 0.0	1
303.76 - 326.25 NW	21.8 +- 0.0	1
326.26 - 348.75 NNW	23.9 +- 1.8	3

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	22.4 +- 1.0	9
2 - 5	21.8 +- 1.0	14
> 5	23.2 +- 2.2	4
Upwind Control	20.4 +- 0.3	3

NRC TLD DOSES FOR PALO VERDE AREA



Miles

0 2 4

Legend

Highways Railroads Roads Plant..site

PEACH BOTTOM
TLD Direct Radiation Environmental Monitoring
For the period 970911-980113 125 Days
Field Time: 99 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)	Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	330 10.3	21.7 +- 0.6; 3.2	18.3 +- 0.6; 4.0	16.9 +- 1.8
2	33 10.5	20.3 +- 0.6; 3.0	17.1 +- 0.6; 3.9	17.1 +- 0.9
3	21 4.8	19.5 +- 0.6; 2.9	16.3 +- 0.6; 3.8	17.7 +- 1.4
4	3 5.0	19.2 +- 0.6; 2.9	16.0 +- 0.6; 3.8	17.0 +- 1.0
5	344 4.1	18.9 +- 0.6; 2.8	15.8 +- 0.6; 3.8	17.4 +- 1.0
6	1 2.2	22.0 +- 0.7; 3.3	18.6 +- 0.7; 4.1	19.1 +- 1.0
7	26 2.4	19.8 +- 0.6; 3.0	16.6 +- 0.6; 3.8	18.0 +- 0.9
8	55 2.8	19.9 +- 0.6; 3.0	16.7 +- 0.6; 3.8	18.5 +- 1.0
9	42 2.0	19.1 +- 0.6; 2.9	16.0 +- 0.6; 3.8	17.2 +- 0.9
10	62 1.7	21.5 +- 0.6; 3.2	18.2 +- 0.6; 4.0	18.9 +- 1.9
11	96 1.9	23.4 +- 0.7; 3.5	19.9 +- 0.7; 4.2	19.2 +- 1.1
12	105 2.3	15.6 +- 0.5; 2.3	12.8 +- 0.5; 3.5	14.2 +- 0.9
13	72 5.0	19.8 +- 0.6; 3.0	16.6 +- 0.6; 3.8	17.1 +- 0.8
14	85 4.6	21.6 +- 0.6; 3.2	18.3 +- 0.6; 4.0	18.8 +- 1.0
15	109 4.3	22.8 +- 0.7; 3.4	19.3 +- 0.7; 4.1	19.2 +- 1.0
16	130 4.6	15.8 +- 0.5; 2.4	12.9 +- 0.5; 3.5	13.6 +- 0.8
17	157 8.9	17.5 +- 0.5; 2.6	14.5 +- 0.5; 3.6	15.2 +- 1.0
18	163 4.6	20.0 +- 0.6; 3.0	16.8 +- 0.6; 3.9	16.6 +- 0.8
19	183 3.9	22.8 +- 0.7; 3.4	19.4 +- 0.7; 4.1	19.1 +- 1.2
20	201 4.8	21.7 +- 0.7; 3.3	18.3 +- 0.6; 4.0	18.8 +- 1.4
21	196 2.3	22.8 +- 0.7; 3.4	19.4 +- 0.7; 4.1	19.3 +- 0.8
22	182 1.7	22.1 +- 0.7; 3.3	18.7 +- 0.7; 4.1	18.9 +- 1.0
23	157 1.8	24.6 +- 0.7; 3.7	21.0 +- 0.7; 4.3	21.7 +- 1.3
24	219 1.8	24.8 +- 0.7; 3.7	21.1 +- 0.7; 4.3	21.0 +- 1.1
25	249 1.7	24.0 +- 0.7; 3.6	20.4 +- 0.7; 4.3	20.1 +- 1.2
26	269 1.8	24.3 +- 0.7; 3.6	20.7 +- 0.7; 4.3	20.7 +- 1.3
27	286 1.9	21.1 +- 0.6; 3.2	17.8 +- 0.6; 4.0	17.7 +- 0.9
28	323 1.8	19.3 +- 0.6; 2.9	16.2 +- 0.6; 3.8	15.9 +- 0.8
29	286 3.6	Damaged Dosimeter	No Net Data	21.2 +- 0.9
30	262 4.0	25.1 +- 0.8; 3.8	21.4 +- 0.7; 4.4	21.3 +- 1.2
31	261 9.9	24.9 +- 0.7; 3.7	21.3 +- 0.7; 4.4	21.3 +- 1.1
32	247 3.2	22.4 +- 0.7; 3.4	19.0 +- 0.7; 4.1	18.4 +- 1.0
33	235 3.6	16.5 +- 0.5; 2.5	13.6 +- 0.5; 3.5	14.0 +- 1.2
34	319 4.9	24.1 +- 0.7; 3.6	20.5 +- 0.7; 4.3	19.6 +- 1.1
35	149 0.7	21.1 +- 0.6; 3.2	17.8 +- 0.6; 4.0	17.5 +- 1.2
36	147 17.9	16.8 +- 0.5; 2.5	13.9 +- 0.5; 3.6	14.2 +- 0.8
37	147 17.9	16.4 +- 0.5; 2.5	13.5 +- 0.5; 3.5	14.5 +- 0.8
38	147 17.9	17.2 +- 0.5; 2.6	14.2 +- 0.5; 3.6	14.4 +- 0.6

Transit Dose = 1.5 +- 0.3; 3.0

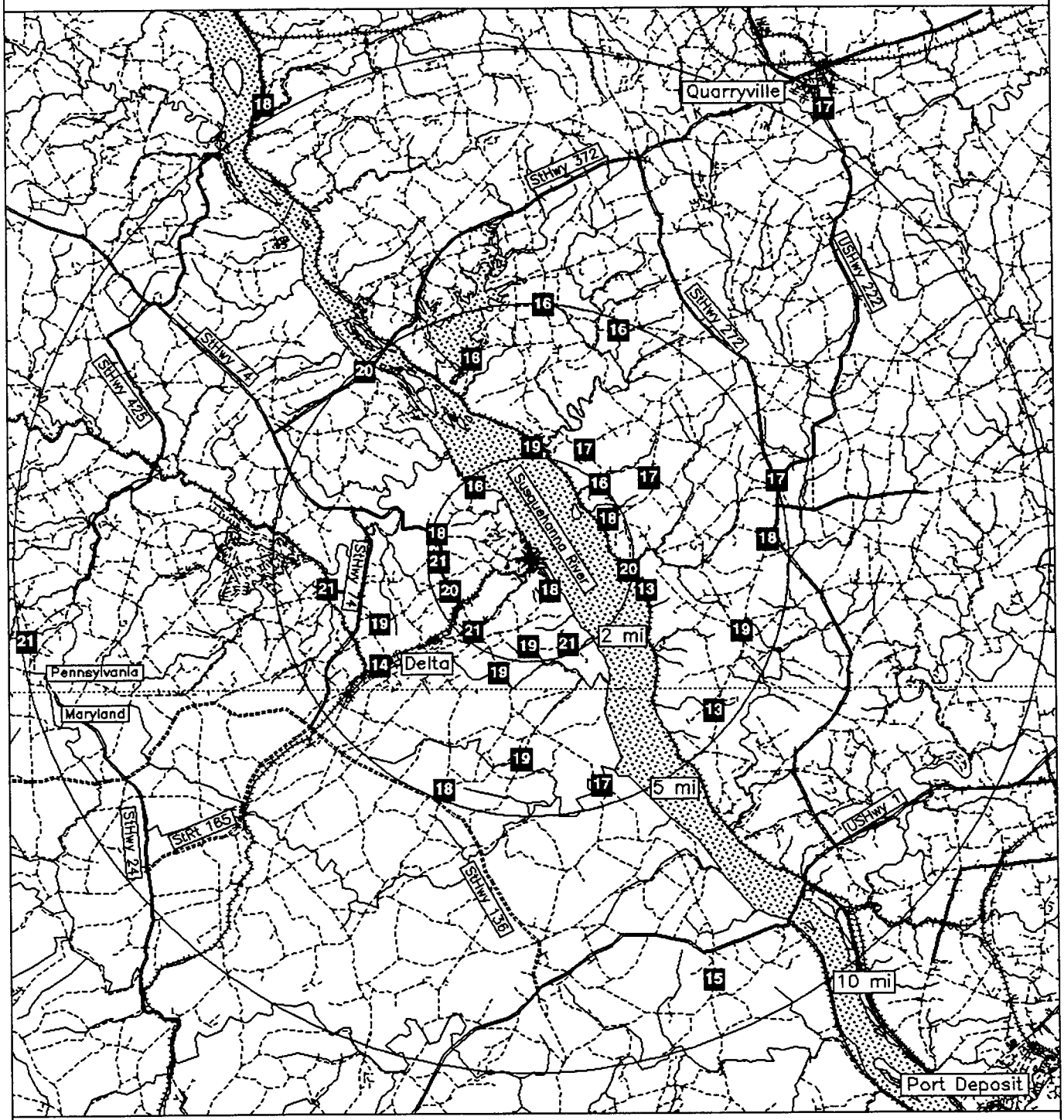
PEACH BOTTOM
For the period 970911-980113

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	17.3 +- 1.8	2
11.26 - 33.75 NNE	16.7 +- 0.4	3
33.76 - 56.25 NE	16.3 +- 0.5	2
56.26 - 78.75 ENE	17.4 +- 1.1	2
78.76 - 101.25 E	19.1 +- 1.2	2
101.26 - 123.75 ESE	16.0 +- 4.6	2
123.76 - 146.25 SE	12.9 +- 0.0	1
146.26 - 168.75 SSE	17.5 +- 2.7	4
168.76 - 191.25 S	19.0 +- 0.5	2
191.26 - 213.75 SSW	18.8 +- 0.7	2
213.76 - 236.25 SW	17.4 +- 5.3	2
236.26 - 258.75 WSW	19.7 +- 1.0	2
258.76 - 281.25 W	21.1 +- 0.4	3
281.26 - 303.75 WNW	17.8 +- 0.0	1
303.76 - 326.25 NW	18.3 +- 3.0	2
326.26 - 348.75 NNW	17.1 +- 1.8	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	18.9 +- 1.9	11
2 - 5	17.3 +- 2.4	19
> 5	17.8 +- 2.8	4
Upwind Control	13.9 +- 0.3	3

NRC TLD DOSES FOR PEACH BOTTOM AREA



Miles

0 2 4

Legend

Water
Highways
Railroads
Roads
Plant..site

PERRY
TLD Direct Radiation Environmental Monitoring
For the period 970909-980205 150 Days
Field Time: 98 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	72	5.0	22.1 +- 0.7; 3.3	15.0 +- 0.7; 4.3	16.0 +- 1.6
3	88	5.5	22.6 +- 0.7; 3.4	15.4 +- 0.7; 4.4	16.1 +- 1.8
4	112	6.0	21.3 +- 0.6; 3.2	14.3 +- 0.7; 4.2	16.9 +- 1.8
5	130	4.0	23.2 +- 0.7; 3.5	16.0 +- 0.7; 4.4	16.6 +- 1.9
6	155	5.0	25.4 +- 0.8; 3.8	18.0 +- 0.8; 4.6	19.8 +- 1.4
7	178	5.2	26.5 +- 0.8; 4.0	19.0 +- 0.8; 4.8	17.7 +- 1.4
8	205	4.6	25.3 +- 0.8; 3.8	18.0 +- 0.8; 4.6	17.1 +- 3.0
9	220	5.2	22.3 +- 0.7; 3.3	15.2 +- 0.7; 4.3	16.2 +- 1.4
10	225	7.4	21.8 +- 0.7; 3.3	14.7 +- 0.7; 4.3	17.1 +- 1.6
11	240	5.8	25.1 +- 0.8; 3.8	17.8 +- 0.8; 4.6	18.9 +- 1.6
12	225	19.0	23.1 +- 0.7; 3.5	15.9 +- 0.7; 4.4	16.5 +- 2.1
13	225	19.0	21.4 +- 0.6; 3.2	14.3 +- 0.7; 4.2	15.7 +- 1.6
14	212	12.0	27.6 +- 0.8; 4.1	20.1 +- 0.9; 4.9	22.1 +- 1.8
15	248	1.4	21.4 +- 0.6; 3.2	14.4 +- 0.7; 4.2	15.7 +- 1.5
16	225	0.8	20.5 +- 0.6; 3.1	13.6 +- 0.7; 4.2	15.5 +- 1.9
17	205	0.7	21.3 +- 0.6; 3.2	14.3 +- 0.7; 4.2	14.2 +- 1.5
18	180	0.8	19.7 +- 0.6; 2.9	12.8 +- 0.7; 4.1	15.5 +- 1.7
19	152	1.8	21.1 +- 0.6; 3.2	14.1 +- 0.7; 4.2	15.9 +- 1.2
20	123	1.6	19.1 +- 0.6; 2.9	12.3 +- 0.7; 4.0	14.1 +- 1.4
21	105	1.4	21.0 +- 0.6; 3.2	14.0 +- 0.7; 4.2	15.5 +- 2.1
22	85	1.2	19.3 +- 0.6; 2.9	12.4 +- 0.7; 4.0	16.1 +- 2.2
23	65	1.4	20.6 +- 0.6; 3.1	13.6 +- 0.7; 4.2	16.2 +- 1.4
24	40	0.6	22.2 +- 0.7; 3.3	15.1 +- 0.7; 4.3	15.6 +- 1.6
25	40	0.6	26.4 +- 0.8; 4.0	19.0 +- 0.8; 4.7	17.9 +- 3.5
26	182	2.8	21.2 +- 0.6; 3.2	14.2 +- 0.7; 4.2	16.3 +- 2.2
27	175	2.8	22.6 +- 0.7; 3.4	15.5 +- 0.7; 4.4	17.1 +- 3.1

Transit Dose = 5.8 +- 0.4; 3.3

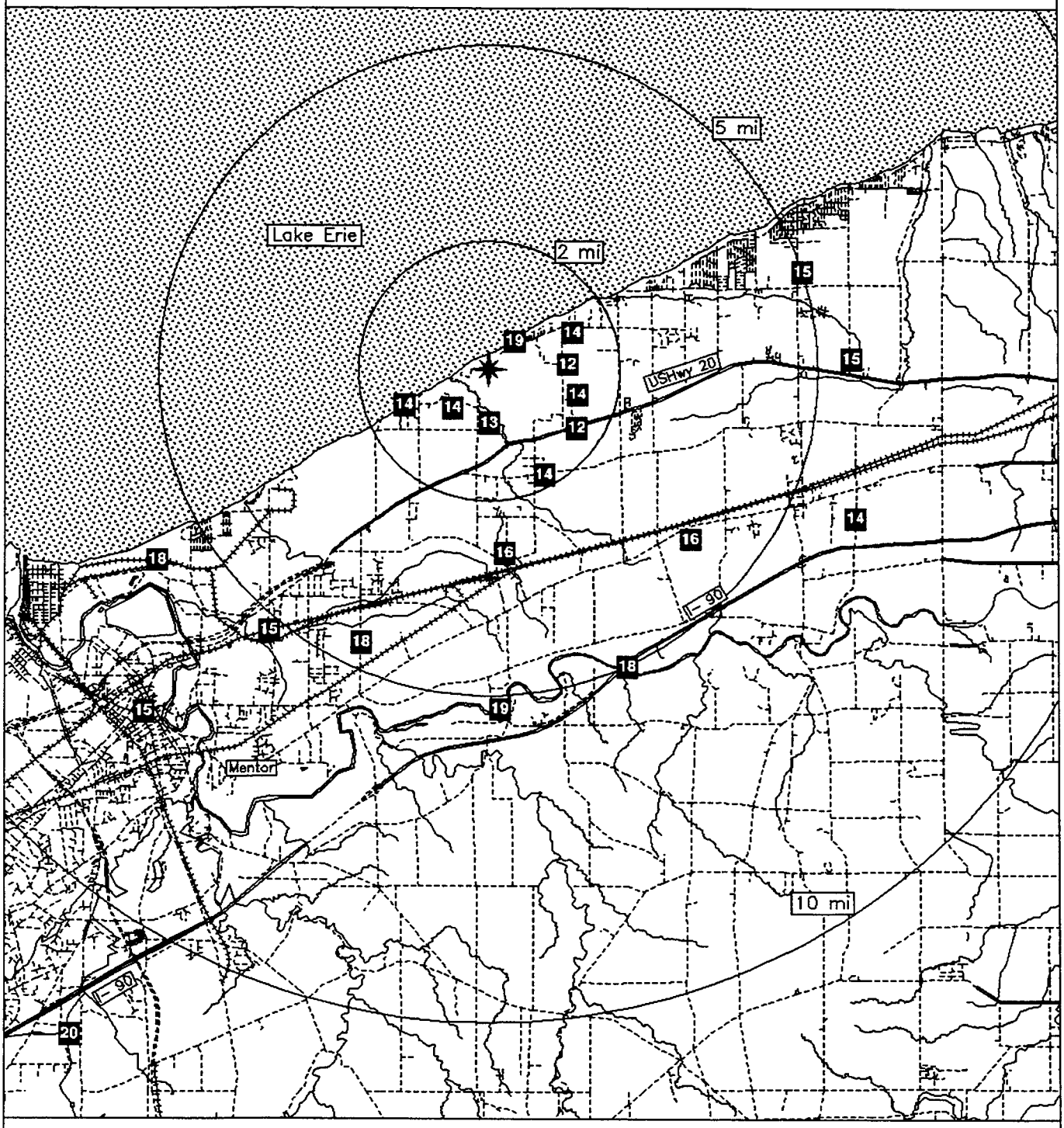
PERRY
For the period 970909-980205

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	No Data +- No Data	0
11.26 - 33.75 NNE	No Data +- No Data	0
33.76 - 56.25 NE	17.0 +- 2.7	2
56.26 - 78.75 ENE	14.3 +- 1.0	2
78.76 - 101.25 E	13.9 +- 2.1	2
101.26 - 123.75 ESE	13.5 +- 1.1	3
123.76 - 146.25 SE	16.0 +- 0.0	1
146.26 - 168.75 SSE	16.1 +- 2.8	2
168.76 - 191.25 S	15.4 +- 2.7	4
191.26 - 213.75 SSW	16.1 +- 2.6	2
213.76 - 236.25 SW	14.5 +- 0.8	3
236.26 - 258.75 WSW	16.1 +- 2.4	2
258.76 - 281.25 W	No Data +- No Data	0
281.26 - 303.75 WNW	No Data +- No Data	0
303.76 - 326.25 NW	No Data +- No Data	0
326.26 - 348.75 NNW	No Data +- No Data	0

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	14.1 +- 1.8	11
2 - 5	16.1 +- 1.6	6
> 5	16.1 +- 1.9	6
Upwind Control	16.8 +- 3.0	3

NRC TLD DOSES FOR PERRY AREA



Miles

0 2 4

Legend

Water — Railroads — Plant..site

Highways --- Roads

PILGRIM
TLD Direct Radiation Environmental Monitoring
For the period 970910-980113 126 Days
Field Time: 90 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	288	0.1	123.0 +- 3.7;18.5	115.6 +- 3.7;18.7	61.3 +-41.6
2	310	0.2	27.5 +- 0.8; 4.1	20.1 +- 0.9; 5.3	16.7 +- 2.5
5	289	0.7	27.8 +- 0.8; 4.2	20.4 +- 0.9; 5.3	16.1 +- 1.8
6	261	1.7	24.1 +- 0.7; 3.6	16.7 +- 0.9; 4.9	14.4 +- 1.6
7	270	0.5	27.1 +- 0.8; 4.1	19.7 +- 0.9; 5.2	18.0 +- 1.7
8	247	0.3	27.6 +- 0.8; 4.1	20.1 +- 0.9; 5.3	16.7 +- 1.5
9	224	0.3	26.7 +- 0.8; 4.0	19.3 +- 0.9; 5.2	15.4 +- 2.4
10	205	0.3	27.2 +- 0.8; 4.1	19.8 +- 0.9; 5.2	16.6 +- 3.3
11	184	0.3	31.2 +- 0.9; 4.7	23.7 +- 1.0; 5.7	18.0 +- 3.1
12	159	0.4	25.2 +- 0.8; 3.8	17.8 +- 0.9; 5.0	15.5 +- 1.7
13	146	0.7	22.0 +- 0.7; 3.3	14.5 +- 0.8; 4.6	13.1 +- 1.7
14	155	1.0	25.4 +- 0.8; 3.8	18.0 +- 0.9; 5.0	14.4 +- 1.8
16	136	1.3	23.6 +- 0.7; 3.5	16.2 +- 0.8; 4.8	13.4 +- 1.4
18	212	0.8	22.6 +- 0.7; 3.4	15.2 +- 0.8; 4.7	12.8 +- 1.6
19	232	1.0	23.3 +- 0.7; 3.5	15.9 +- 0.8; 4.8	13.7 +- 1.6
21	256	1.6	21.5 +- 0.6; 3.2	14.0 +- 0.8; 4.6	12.6 +- 2.0
22	130	2.5	21.6 +- 0.6; 3.2	14.1 +- 0.8; 4.6	13.4 +- 1.9
23	146	3.4	23.6 +- 0.7; 3.5	16.2 +- 0.8; 4.8	13.0 +- 1.8
25	168	1.5	25.6 +- 0.8; 3.8	18.2 +- 0.9; 5.0	14.1 +- 1.6
26	180	1.3	22.6 +- 0.7; 3.4	15.2 +- 0.8; 4.7	11.9 +- 1.7
27	231	1.8	22.7 +- 0.7; 3.4	15.3 +- 0.8; 4.7	13.2 +- 1.8
30	153	2.2	25.6 +- 0.8; 3.8	18.2 +- 0.9; 5.0	16.0 +- 1.5
31	179	2.5	22.4 +- 0.7; 3.4	15.0 +- 0.8; 4.7	12.6 +- 1.7
32	217	2.6	21.8 +- 0.7; 3.3	14.4 +- 0.8; 4.6	12.0 +- 1.8
33	234	2.5	22.3 +- 0.7; 3.4	14.9 +- 0.8; 4.7	13.1 +- 2.2
34	320	7.5	22.6 +- 0.7; 3.4	15.2 +- 0.8; 4.7	13.3 +- 1.6
35	318	7.0	21.7 +- 0.7; 3.3	14.2 +- 0.8; 4.6	11.0 +- 1.5
37	264	4.2	23.7 +- 0.7; 3.6	16.3 +- 0.8; 4.8	14.2 +- 1.7
38	152	3.5	21.2 +- 0.6; 3.2	13.8 +- 0.8; 4.6	12.5 +- 1.8
39	155	5.3	21.6 +- 0.6; 3.2	14.1 +- 0.8; 4.6	11.4 +- 1.2
40	272	4.6	24.1 +- 0.7; 3.6	16.6 +- 0.8; 4.9	15.0 +- 1.7
42	281	4.6	21.9 +- 0.7; 3.3	14.5 +- 0.8; 4.6	13.1 +- 1.8
43	291	5.8	25.3 +- 0.8; 3.8	17.8 +- 0.9; 5.0	15.7 +- 1.9
45	197	6.0	22.1 +- 0.7; 3.3	14.7 +- 0.8; 4.7	11.9 +- 1.4
47	301	26.0	28.2 +- 0.8; 4.2	20.8 +- 1.0; 5.3	15.5 +- 2.1
48	301	26.0	25.0 +- 0.8; 3.8	17.6 +- 0.9; 5.0	16.0 +- 2.1
49	301	26.0	24.8 +- 0.7; 3.7	17.3 +- 0.9; 4.9	14.5 +- 1.7

Transit Dose = 7.4 +- 0.4; 3.3

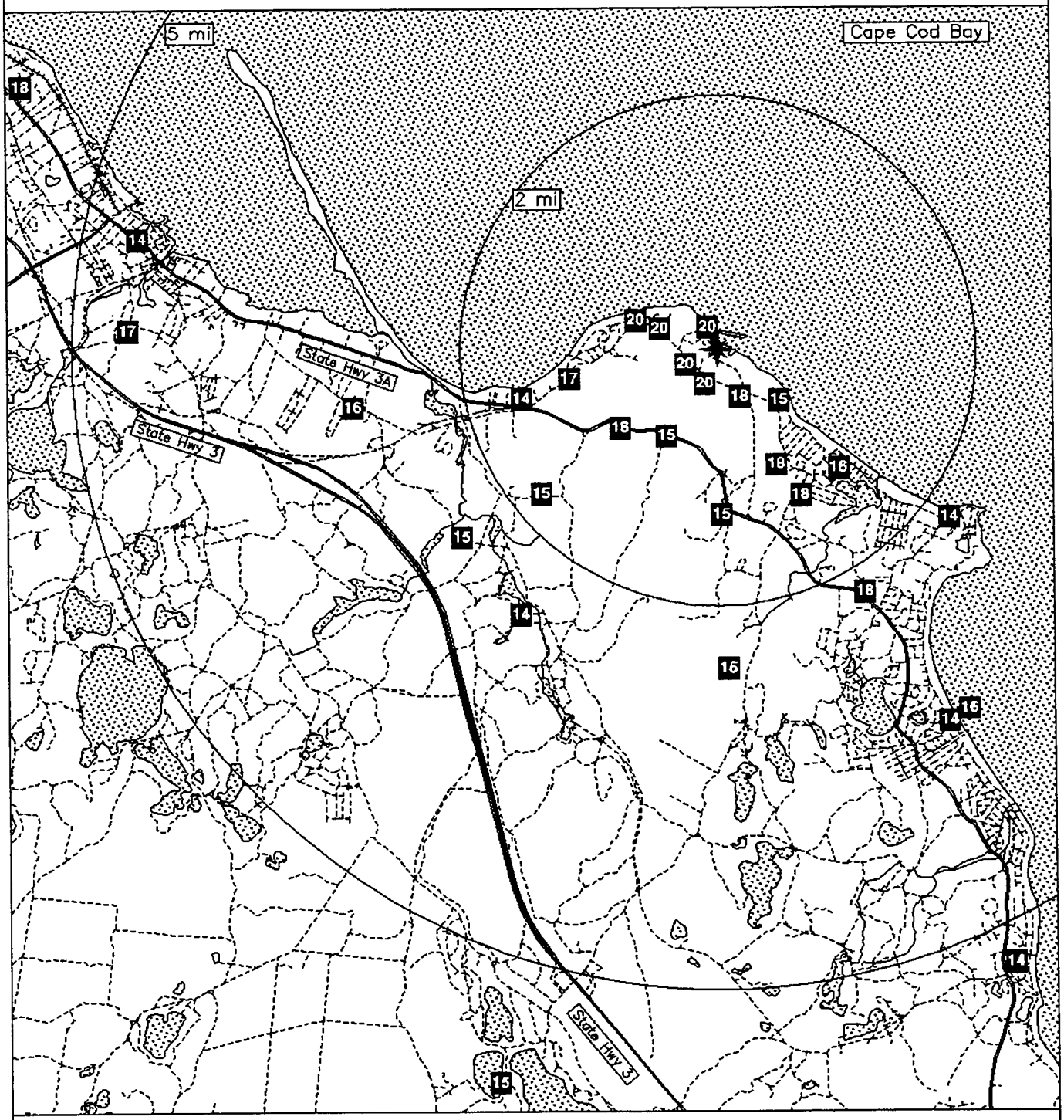
PILGRIM
For the period 970910-980113

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	No Data +- No Data	0
11.26 - 33.75 NNE	No Data +- No Data	0
33.76 - 56.25 NE	No Data +- No Data	0
56.26 - 78.75 ENE	No Data +- No Data	0
78.76 - 101.25 E	No Data +- No Data	0
101.26 - 123.75 ESE	No Data +- No Data	0
123.76 - 146.25 SE	15.2 +- 1.1	4
146.26 - 168.75 SSE	16.7 +- 2.1	6
168.76 - 191.25 S	18.0 +- 5.0	3
191.26 - 213.75 SSW	16.6 +- 2.8	3
213.76 - 236.25 SW	15.9 +- 1.9	5
236.26 - 258.75 WSW	17.1 +- 4.3	2
258.76 - 281.25 W	16.8 +- 1.9	5
281.26 - 303.75 WNW	51.3 +- 55.7	3
303.76 - 326.25 NW	16.5 +- 3.1	3
326.26 - 348.75 NNW	No Data +- No Data	0

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	22.9 +- 22.6	19
2 - 5	15.4 +- 1.4	10
> 5	15.2 +- 1.5	5
Upwind Control	18.6 +- 1.9	3

NRC TLD DOSES FOR PILGRIM AREA



PRAIRIE ISLAND
TLD Direct Radiation Environmental Monitoring
For the period 970908-980113 128 Days
Field Time: 90 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)	Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	312 16.5	19.1 +- 0.6; 2.9	16.5 +- 0.6; 4.0	16.9 +- 2.1
2	310 15.0	19.0 +- 0.6; 2.9	16.4 +- 0.6; 4.0	16.5 +- 1.7
3	310 15.0	18.4 +- 0.6; 2.8	15.8 +- 0.6; 3.9	16.5 +- 1.8
4	308 5.5	19.3 +- 0.6; 2.9	16.7 +- 0.7; 4.0	17.3 +- 1.7
5	297 4.1	18.6 +- 0.6; 2.8	16.0 +- 0.6; 4.0	16.0 +- 1.6
6	287 1.3	18.2 +- 0.5; 2.7	15.6 +- 0.6; 3.9	16.2 +- 1.9
7	313 0.8	18.0 +- 0.5; 2.7	15.4 +- 0.6; 3.9	14.9 +- 1.6
8	244 0.5	18.6 +- 0.6; 2.8	16.0 +- 0.6; 4.0	16.2 +- 1.5
9	194 0.6	20.0 +- 0.6; 3.0	17.4 +- 0.7; 4.1	16.6 +- 1.4
10	155 0.5	20.9 +- 0.6; 3.1	18.3 +- 0.7; 4.2	17.4 +- 1.6
11	129 1.6	19.4 +- 0.6; 2.9	16.8 +- 0.7; 4.0	15.5 +- 1.5
12	153 1.4	19.3 +- 0.6; 2.9	16.7 +- 0.7; 4.0	16.2 +- 1.4
13	217 0.6	20.6 +- 0.6; 3.1	18.0 +- 0.7; 4.2	16.8 +- 1.6
14	178 0.8	20.3 +- 0.6; 3.0	17.7 +- 0.7; 4.1	16.6 +- 1.5
15	272 1.9	19.2 +- 0.6; 2.9	16.6 +- 0.7; 4.0	15.6 +- 1.5
16	262 4.6	20.9 +- 0.6; 3.1	18.3 +- 0.7; 4.2	17.7 +- 2.2
17	250 4.3	21.6 +- 0.6; 3.2	19.0 +- 0.7; 4.3	17.5 +- 1.8
18	225 4.1	22.2 +- 0.7; 3.3	19.6 +- 0.7; 4.4	17.8 +- 3.1
19	233 6.7	19.3 +- 0.6; 2.9	16.7 +- 0.7; 4.0	15.2 +- 1.7
20	200 4.9	22.3 +- 0.7; 3.3	19.7 +- 0.7; 4.4	18.8 +- 1.9
21	187 4.7	23.1 +- 0.7; 3.5	20.5 +- 0.8; 4.5	19.4 +- 2.0
22	160 4.4	19.8 +- 0.6; 3.0	17.2 +- 0.7; 4.1	17.4 +- 2.0
23	140 4.7	21.9 +- 0.7; 3.3	19.3 +- 0.7; 4.3	18.1 +- 1.9
24	131 6.6	21.0 +- 0.6; 3.2	18.4 +- 0.7; 4.2	17.6 +- 1.7
25	117 4.9	19.7 +- 0.6; 3.0	17.1 +- 0.7; 4.1	16.3 +- 1.5
26	88 1.9	19.8 +- 0.6; 3.0	17.2 +- 0.7; 4.1	16.6 +- 1.7
27	69 1.8	20.3 +- 0.6; 3.0	17.7 +- 0.7; 4.1	16.5 +- 2.0
28	47 1.6	19.5 +- 0.6; 2.9	16.9 +- 0.7; 4.1	16.9 +- 2.0
29	19 1.5	19.9 +- 0.6; 3.0	17.3 +- 0.7; 4.1	15.8 +- 1.8
30	356 1.9	19.3 +- 0.6; 2.9	16.7 +- 0.7; 4.0	16.0 +- 2.0
31	346 2.4	21.7 +- 0.6; 3.2	19.1 +- 0.7; 4.3	18.5 +- 1.7
32	340 3.8	21.7 +- 0.7; 3.3	19.1 +- 0.7; 4.3	18.8 +- 2.1
33	8 4.6	22.8 +- 0.7; 3.4	20.2 +- 0.7; 4.4	19.4 +- 1.9
34	17 4.7	21.1 +- 0.6; 3.2	18.4 +- 0.7; 4.2	18.9 +- 1.9
35	45 11.0	20.3 +- 0.6; 3.0	17.7 +- 0.7; 4.2	16.9 +- 1.6
36	48 4.7	22.3 +- 0.7; 3.3	19.7 +- 0.7; 4.4	18.9 +- 2.0
37	61 4.2	23.2 +- 0.7; 3.5	20.6 +- 0.8; 4.5	19.1 +- 1.8
38	86 4.9	21.3 +- 0.6; 3.2	18.7 +- 0.7; 4.3	18.5 +- 1.9
39	107 9.1	19.0 +- 0.6; 2.9	16.4 +- 0.6; 4.0	16.3 +- 1.5
40	111 3.7	18.3 +- 0.5; 2.7	15.7 +- 0.6; 3.9	16.1 +- 1.7
46	0 0.0	20.0 +- 0.6; 3.0	17.4 +- 0.7; 4.1	15.7 +- 1.3
47	0 0.0	18.7 +- 0.6; 2.8	16.1 +- 0.6; 4.0	15.8 +- 0.8

Transit Dose = 2.6 +- 0.3; 2.8

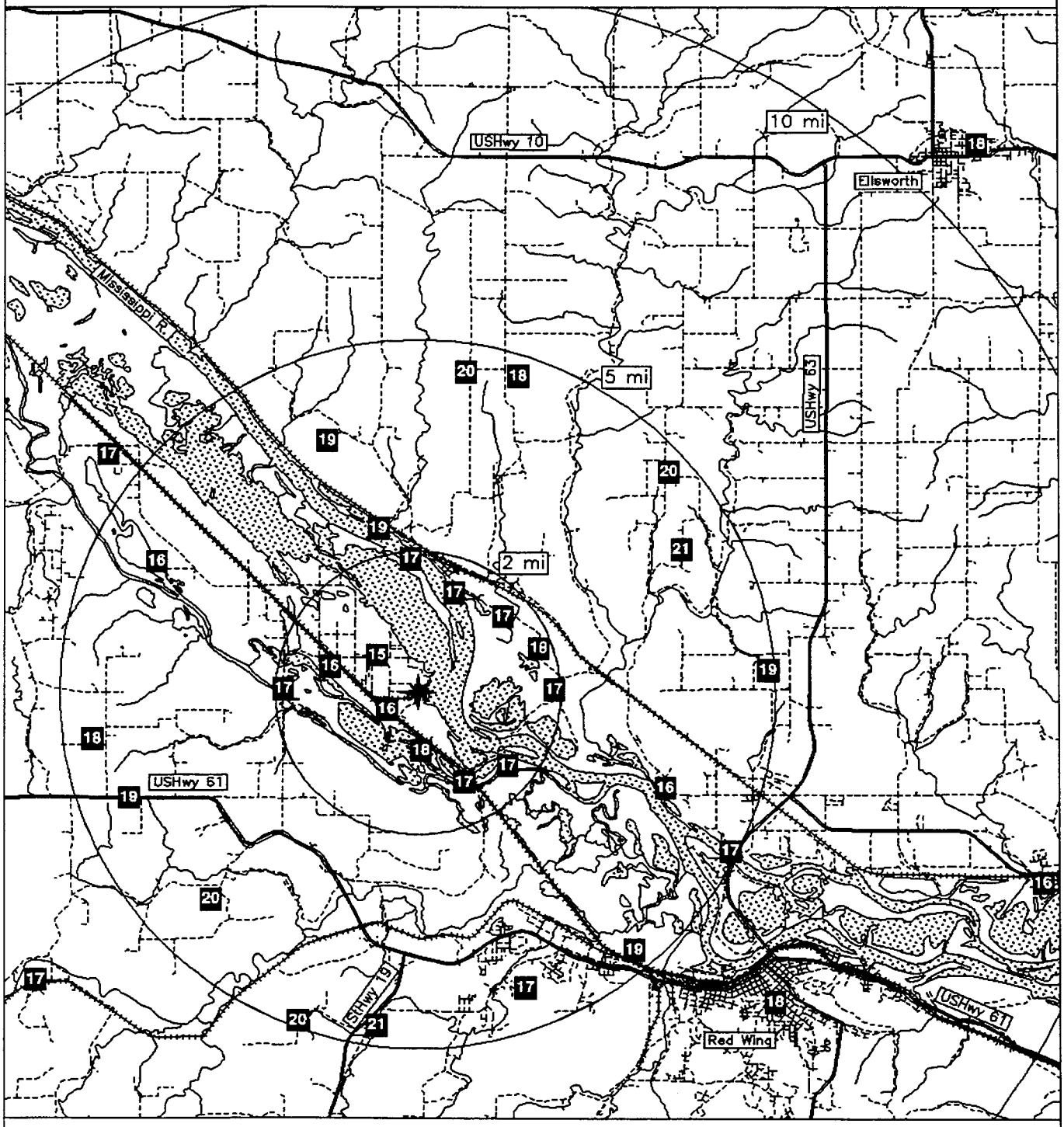
PRAIRIE ISLAND
For the period 970908-980113

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	17.6 +- 1.8	4
11.26 - 33.75 NNE	17.9 +- 0.8	2
33.76 - 56.25 NE	18.1 +- 1.4	3
56.26 - 78.75 ENE	19.1 +- 2.1	2
78.76 - 101.25 E	17.9 +- 1.1	2
101.26 - 123.75 ESE	16.4 +- 0.7	3
123.76 - 146.25 SE	18.1 +- 1.3	3
146.26 - 168.75 SSE	17.4 +- 0.8	3
168.76 - 191.25 S	19.1 +- 2.0	2
191.26 - 213.75 SSW	18.5 +- 1.6	2
213.76 - 236.25 SW	18.1 +- 1.5	3
236.26 - 258.75 WSW	17.5 +- 2.1	2
258.76 - 281.25 W	17.5 +- 1.2	2
281.26 - 303.75 WNW	15.8 +- 0.3	2
303.76 - 326.25 NW	16.1 +- 0.9	2
326.26 - 348.75 NNW	19.1 +- 0.0	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	16.9 +- 0.8	17
2 - 5	18.7 +- 1.5	17
> 5	17.2 +- 0.8	5
Upwind Control	16.3 +- 0.4	3

NRC TLD DOSES FOR PRAIRIE ISLAND AREA



Miles

0 2 4

Legend

Water
Railroads
Plant..site
Highways
Roads

QUAD CITIES
TLD Direct Radiation Environmental Monitoring
For the period 970909-980210 155 Days
Field Time: 109 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	3	0.7	19.7 +- 0.6; 3.0	14.5 +- 0.6; 3.7	14.8 +- 1.4
2	16	1.2	24.9 +- 0.7; 3.7	18.8 +- 0.7; 4.1	17.5 +- 2.0
3	35	1.7	21.0 +- 0.6; 3.1	15.6 +- 0.6; 3.8	15.1 +- 1.2
4	45	1.1	21.7 +- 0.7; 3.3	16.1 +- 0.6; 3.8	15.6 +- 1.1
5	90	0.8	23.0 +- 0.7; 3.4	17.2 +- 0.6; 4.0	15.5 +- 1.3
6	138	1.1	24.3 +- 0.7; 3.6	18.3 +- 0.7; 4.1	16.2 +- 1.4
7	175	1.8	22.4 +- 0.7; 3.4	16.7 +- 0.6; 3.9	16.2 +- 1.4
8	165	2.0	23.3 +- 0.7; 3.5	17.5 +- 0.6; 4.0	16.4 +- 1.3
9	186	3.1	22.8 +- 0.7; 3.4	17.0 +- 0.6; 3.9	15.8 +- 1.1
10	188	7.7	18.2 +- 0.5; 2.7	13.3 +- 0.5; 3.6	14.8 +- 4.5
11	156	4.2	22.1 +- 0.7; 3.3	16.5 +- 0.6; 3.9	16.6 +- 1.3
12	142	4.8	24.0 +- 0.7; 3.6	18.0 +- 0.7; 4.1	16.5 +- 1.5
13	123	3.3	22.5 +- 0.7; 3.4	16.8 +- 0.6; 3.9	16.3 +- 1.3
14	122	2.0	19.8 +- 0.6; 3.0	14.6 +- 0.6; 3.7	14.8 +- 1.5
15	86	2.8	24.1 +- 0.7; 3.6	18.1 +- 0.7; 4.1	17.1 +- 1.3
16	57	4.4	24.8 +- 0.7; 3.7	18.8 +- 0.7; 4.1	18.9 +- 1.5
17	48	6.1	22.2 +- 0.7; 3.3	16.5 +- 0.6; 3.9	16.3 +- 1.2
18	39	9.4	Missing Dosimeter	No Net Data	15.8 +- 1.2
19	34	4.7	20.6 +- 0.6; 3.1	15.2 +- 0.6; 3.8	15.4 +- 1.2
20	16	4.3	23.4 +- 0.7; 3.5	17.6 +- 0.6; 4.0	16.7 +- 1.2
21	352	4.2	23.4 +- 0.7; 3.5	17.5 +- 0.6; 4.0	18.3 +- 2.7
22	328	4.1	27.0 +- 0.8; 4.0	20.5 +- 0.7; 4.3	18.4 +- 1.3
23	337	5.7	24.7 +- 0.7; 3.7	18.7 +- 0.7; 4.1	16.9 +- 1.3
24	310	4.4	25.0 +- 0.7; 3.7	18.9 +- 0.7; 4.1	18.2 +- 1.5
25	295	4.1	24.0 +- 0.7; 3.6	18.0 +- 0.7; 4.0	16.2 +- 1.3
26	278	6.9	19.5 +- 0.6; 2.9	14.3 +- 0.6; 3.7	14.1 +- 1.2
27	260	4.3	23.5 +- 0.7; 3.5	17.7 +- 0.6; 4.0	16.3 +- 1.6
28	253	4.0	22.8 +- 0.7; 3.4	17.1 +- 0.6; 3.9	16.6 +- 1.4
29	352	2.8	25.5 +- 0.8; 3.8	19.3 +- 0.7; 4.2	17.4 +- 1.3
30	335	1.9	20.5 +- 0.6; 3.1	15.2 +- 0.6; 3.7	17.0 +- 1.4
31	305	2.6	22.7 +- 0.7; 3.4	17.0 +- 0.6; 3.9	16.9 +- 1.7
32	285	2.5	21.1 +- 0.6; 3.2	15.6 +- 0.6; 3.8	15.0 +- 1.6
33	257	2.0	21.2 +- 0.6; 3.2	15.7 +- 0.6; 3.8	16.3 +- 1.6
34	248	2.2	23.3 +- 0.7; 3.5	17.4 +- 0.6; 4.0	16.6 +- 1.1
35	229	2.6	21.4 +- 0.6; 3.2	15.9 +- 0.6; 3.8	15.9 +- 1.3
36	204	3.4	23.0 +- 0.7; 3.4	17.2 +- 0.6; 4.0	16.0 +- 2.0
37	194	9.3	22.1 +- 0.7; 3.3	16.5 +- 0.6; 3.9	16.1 +- 1.2
38	224	4.9	24.6 +- 0.7; 3.7	18.6 +- 0.7; 4.1	17.3 +- 1.4
39	301	14.0	21.7 +- 0.7; 3.3	16.1 +- 0.6; 3.8	15.7 +- 1.2
40	301	14.0	21.7 +- 0.7; 3.3	16.1 +- 0.6; 3.8	15.2 +- 1.2
41	301	14.0	20.2 +- 0.6; 3.0	14.9 +- 0.6; 3.7	14.6 +- 1.2

Transit Dose = 2.1 +- 0.3; 3.3

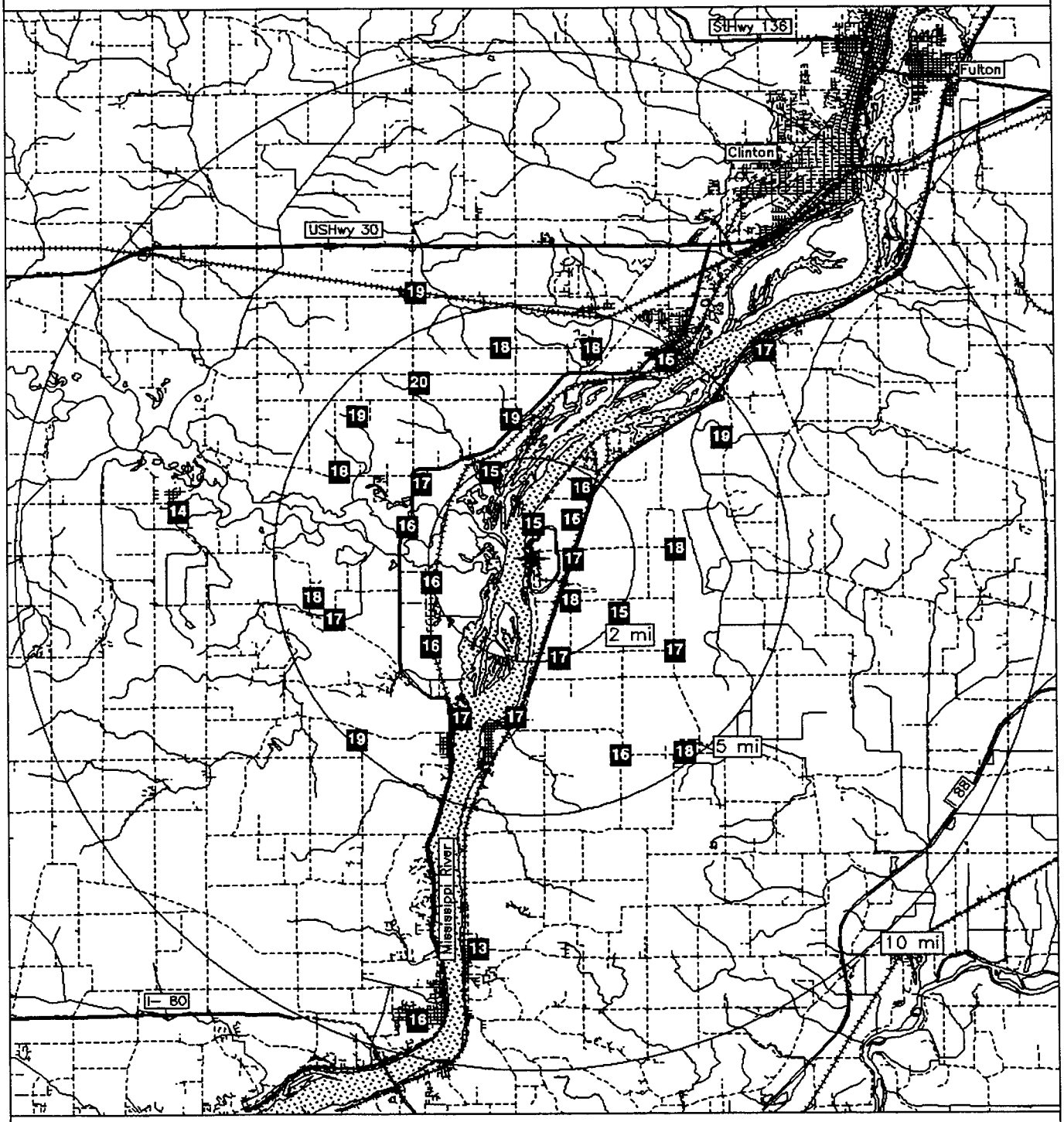
QUAD CITIES
For the period 970909-980210

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	17.1 +- 2.4	3
11.26 - 33.75 NNE	18.2 +- 0.9	2
33.76 - 56.25 NE	15.9 +- 0.6	4
56.26 - 78.75 ENE	18.8 +- 0.0	1
78.76 - 101.25 E	17.6 +- 0.6	2
101.26 - 123.75 ESE	15.7 +- 1.6	2
123.76 - 146.25 SE	18.2 +- 0.2	2
146.26 - 168.75 SSE	17.0 +- 0.7	2
168.76 - 191.25 S	15.7 +- 2.1	3
191.26 - 213.75 SSW	16.8 +- 0.5	2
213.76 - 236.25 SW	17.2 +- 1.9	2
236.26 - 258.75 WSW	16.7 +- 0.9	3
258.76 - 281.25 W	16.0 +- 2.4	2
281.26 - 303.75 WNW	16.8 +- 1.7	2
303.76 - 326.25 NW	17.9 +- 1.3	2
326.26 - 348.75 NNW	18.1 +- 2.7	3

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	16.4 +- 1.4	11
2 - 5	17.6 +- 1.2	21
> 5	15.9 +- 2.1	5
Upwind Control	15.7 +- 0.7	3

NRC TLD DOSES FOR QUAD CITIES AREA



Miles

0 2 4

Legend

Water
Highways
Railroads
Roads
Plant..site

RANCHO SECO
TLD Direct Radiation Environmental Monitoring
For the period 970908-980209 155 Days
Field Time: 92 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)	Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	288 16.0	24.0 +- 0.7; 3.6	16.5 +- 0.8; 4.8	16.0 +- 2.5
2	239 12.0	23.6 +- 0.7; 3.5	16.1 +- 0.8; 4.7	17.3 +- 1.6
3	213 16.0	25.0 +- 0.8; 3.8	17.5 +- 0.9; 4.9	18.9 +- 1.4
4	149 9.9	22.7 +- 0.7; 3.4	15.2 +- 0.8; 4.6	16.1 +- 1.2
5	108 8.2	29.8 +- 0.9; 4.5	22.2 +- 1.0; 5.4	22.5 +- 1.6
6	86 10.0	20.7 +- 0.6; 3.1	13.2 +- 0.7; 4.4	14.2 +- 1.2
7	83 9.7	21.0 +- 0.6; 3.1	13.5 +- 0.8; 4.5	14.4 +- 1.1
8	37 7.1	21.6 +- 0.6; 3.2	14.2 +- 0.8; 4.5	14.7 +- 1.1
9	65 0.8	22.5 +- 0.7; 3.4	15.0 +- 0.8; 4.6	15.9 +- 1.3
10	43 0.7	22.7 +- 0.7; 3.4	15.2 +- 0.8; 4.6	16.8 +- 1.8
11	92 0.2	21.6 +- 0.6; 3.2	14.1 +- 0.8; 4.5	14.9 +- 1.4
12	131 1.6	20.9 +- 0.6; 3.1	13.4 +- 0.8; 4.4	14.2 +- 1.1
13	358 0.6	25.1 +- 0.8; 3.8	17.6 +- 0.9; 4.9	17.7 +- 0.9
14	323 0.7	24.2 +- 0.7; 3.6	16.7 +- 0.8; 4.8	16.2 +- 1.2
15	151 0.7	21.3 +- 0.6; 3.2	13.8 +- 0.8; 4.5	15.2 +- 1.3
16	219 0.9	23.0 +- 0.7; 3.5	15.5 +- 0.8; 4.7	16.3 +- 1.4
17	245 1.5	22.8 +- 0.7; 3.4	15.3 +- 0.8; 4.6	15.7 +- 1.3
18	254 2.3	22.5 +- 0.7; 3.4	15.0 +- 0.8; 4.6	14.9 +- 0.8
19	323 7.0	23.2 +- 0.7; 3.5	15.7 +- 0.8; 4.7	16.4 +- 1.1
20	309 6.3	24.1 +- 0.7; 3.6	16.6 +- 0.8; 4.8	17.2 +- 1.5
21	279 5.7	21.8 +- 0.7; 3.3	14.4 +- 0.8; 4.5	15.8 +- 1.3
22	244 6.4	23.9 +- 0.7; 3.6	16.3 +- 0.8; 4.8	17.1 +- 1.2
23	217 4.6	23.0 +- 0.7; 3.4	15.5 +- 0.8; 4.7	16.1 +- 1.2
24	350 11.0	23.1 +- 0.7; 3.5	15.6 +- 0.8; 4.7	16.2 +- 0.9
25	318 17.0	22.7 +- 0.7; 3.4	15.2 +- 0.8; 4.6	16.5 +- 1.2
26	311 22.0	22.4 +- 0.7; 3.4	14.9 +- 0.8; 4.6	16.4 +- 1.2
27	306 27.0	22.0 +- 0.7; 3.3	14.5 +- 0.8; 4.6	15.4 +- 1.0
28	306 27.0	23.4 +- 0.7; 3.5	15.9 +- 0.8; 4.7	15.6 +- 0.9
29	306 27.0	24.0 +- 0.7; 3.6	16.4 +- 0.8; 4.8	15.5 +- 1.6
30	306 27.0	23.1 +- 0.7; 3.5	15.5 +- 0.8; 4.7	15.5 +- 1.7

Transit Dose = 7.2 +- 0.4; 3.3

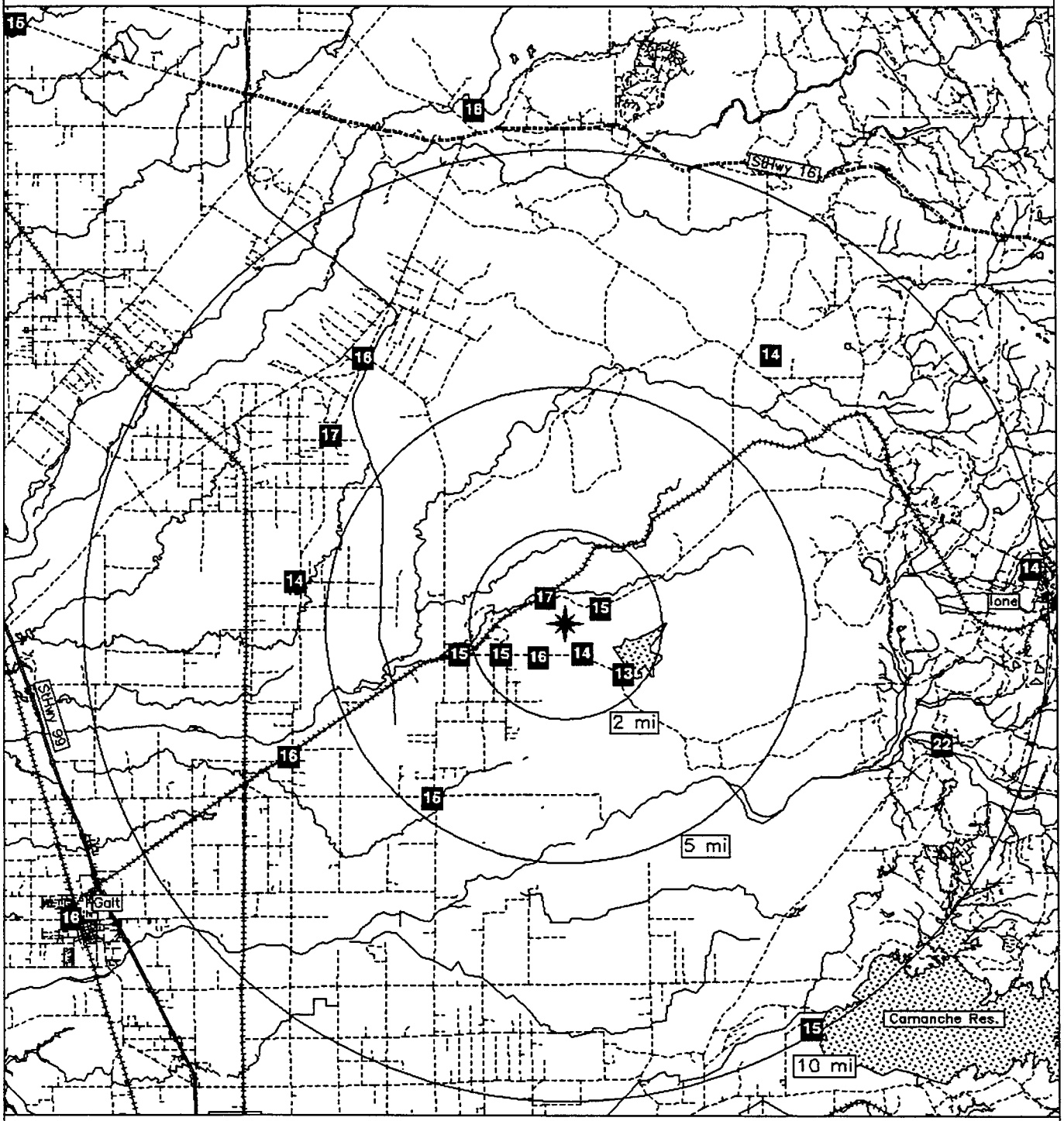
RANCHO SECO
For the period 970908-980209

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	16.6 +- 1.4	2
11.26 - 33.75 NNE	No Data +- No Data	0
33.76 - 56.25 NE	14.7 +- 0.8	2
56.26 - 78.75 ENE	15.0 +- 0.0	1
78.76 - 101.25 E	13.6 +- 0.4	3
101.26 - 123.75 ESE	22.2 +- 0.0	1
123.76 - 146.25 SE	13.4 +- 0.0	1
146.26 - 168.75 SSE	14.5 +- 1.0	2
168.76 - 191.25 S	No Data +- No Data	0
191.26 - 213.75 SSW	17.5 +- 0.0	1
213.76 - 236.25 SW	15.5 +- 0.0	2
236.26 - 258.75 WSW	15.7 +- 0.6	4
258.76 - 281.25 W	14.4 +- 0.0	1
281.26 - 303.75 WNW	16.5 +- 0.0	1
303.76 - 326.25 NW	16.0 +- 0.6	6
326.26 - 348.75 NNW	No Data +- No Data	0

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	15.2 +- 1.3	9
2 - 5	15.2 +- 0.3	2
> 5	15.9 +- 2.0	16
Upwind Control	15.1 +- 0.7	3

NRC TLD DOSES FOR RANCHO SECO AREA



Miles

0 2 4

Legend

Water
Railroads
Plant..site
Highways
Roads

RIVER BEND
TLD Direct Radiation Environmental Monitoring
For the period 970908-980310 184 Days
Field Time: 141 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	348	1.3	22.4 +- 0.7; 3.4	12.8 +- 0.5; 3.5	16.5 +- 1.8
2	42	1.1	29.2 +- 0.9; 4.4	17.2 +- 0.6; 3.9	17.6 +- 1.3
3	61	1.1	31.2 +- 0.9; 4.7	18.4 +- 0.7; 4.0	18.4 +- 1.4
4	90	0.8	30.5 +- 0.9; 4.6	18.0 +- 0.6; 4.0	17.5 +- 1.3
5	107	0.6	32.4 +- 1.0; 4.9	19.2 +- 0.7; 4.1	18.2 +- 1.4
6	136	0.8	29.1 +- 0.9; 4.4	17.1 +- 0.6; 3.9	18.7 +- 1.5
7	166	1.0	26.4 +- 0.8; 4.0	15.4 +- 0.6; 3.7	15.5 +- 1.1
8	182	0.9	27.3 +- 0.8; 4.1	16.0 +- 0.6; 3.8	16.4 +- 1.2
9	195	0.6	26.1 +- 0.8; 3.9	15.2 +- 0.6; 3.7	16.5 +- 1.2
10	225	0.7	29.6 +- 0.9; 4.4	17.4 +- 0.6; 3.9	17.0 +- 1.2
11	254	0.4	Missing Dosimeter	No Net Data	16.5 +- 1.4
12	276	0.6	31.9 +- 1.0; 4.8	18.9 +- 0.7; 4.1	18.1 +- 1.2
13	295	0.6	30.6 +- 0.9; 4.6	18.1 +- 0.6; 4.0	18.6 +- 1.2
14	320	0.9	26.0 +- 0.8; 3.9	15.1 +- 0.6; 3.7	17.2 +- 1.4
15	332	2.1	30.9 +- 0.9; 4.6	18.3 +- 0.6; 4.0	18.4 +- 1.4
16	312	2.7	27.6 +- 0.8; 4.1	16.1 +- 0.6; 3.8	17.3 +- 1.9
17	302	3.1	24.4 +- 0.7; 3.7	14.1 +- 0.5; 3.6	15.5 +- 1.2
18	278	3.8	27.1 +- 0.8; 4.1	15.8 +- 0.6; 3.8	14.9 +- 1.8
19	242	2.8	32.9 +- 1.0; 4.9	19.5 +- 0.7; 4.2	19.0 +- 1.4
20	195	5.4	27.8 +- 0.8; 4.2	16.3 +- 0.6; 3.8	17.2 +- 1.5
21	215	3.0	30.9 +- 0.9; 4.6	18.3 +- 0.6; 4.0	17.7 +- 1.2
22	233	7.1	24.6 +- 0.7; 3.7	14.3 +- 0.5; 3.6	14.6 +- 1.7
23	246	9.7	26.4 +- 0.8; 4.0	15.4 +- 0.6; 3.7	17.2 +- 1.3
24	234	7.3	27.2 +- 0.8; 4.1	15.9 +- 0.6; 3.8	15.5 +- 1.8
25	185	7.6	29.8 +- 0.9; 4.5	17.5 +- 0.6; 3.9	17.7 +- 1.3
26	322	7.7	26.5 +- 0.8; 4.0	15.5 +- 0.6; 3.7	16.2 +- 1.5
27	328	10.0	31.7 +- 1.0; 4.8	18.8 +- 0.7; 4.1	18.5 +- 1.5
28	340	7.2	29.6 +- 0.9; 4.4	17.4 +- 0.6; 3.9	17.9 +- 1.1
29	354	9.5	27.3 +- 0.8; 4.1	16.0 +- 0.6; 3.8	16.8 +- 1.2
30	360	5.1	29.1 +- 0.9; 4.4	17.1 +- 0.6; 3.9	18.3 +- 1.2
31	221	6.9	30.3 +- 0.9; 4.5	17.9 +- 0.6; 4.0	18.1 +- 1.3
32	40	4.9	28.5 +- 0.9; 4.3	16.7 +- 0.6; 3.9	17.3 +- 1.2
33	52	8.7	22.6 +- 0.7; 3.4	13.0 +- 0.5; 3.5	14.3 +- 1.4
34	65	8.4	27.9 +- 0.8; 4.2	16.3 +- 0.6; 3.8	16.6 +- 1.2
35	87	6.6	26.0 +- 0.8; 3.9	15.1 +- 0.6; 3.7	15.3 +- 1.0
36	326	5.8	29.1 +- 0.9; 4.4	17.1 +- 0.6; 3.9	17.7 +- 1.4
37	329	22.0	27.9 +- 0.8; 4.2	16.3 +- 0.6; 3.8	17.0 +- 1.1
38	111	3.8	27.1 +- 0.8; 4.1	15.8 +- 0.6; 3.8	16.2 +- 1.3
39	131	5.6	29.4 +- 0.9; 4.4	17.3 +- 0.6; 3.9	17.3 +- 1.1
40	155	6.2	28.6 +- 0.9; 4.3	16.8 +- 0.6; 3.9	17.9 +- 1.2
41	120	9.0	27.5 +- 0.8; 4.1	16.1 +- 0.6; 3.8	16.5 +- 1.5
42	121	11.0	25.7 +- 0.8; 3.9	15.0 +- 0.6; 3.7	14.9 +- 0.8
43	180	1.1	32.2 +- 1.0; 4.8	19.1 +- 0.7; 4.1	18.9 +- 1.2
44	150	28.0	23.2 +- 0.7; 3.5	13.3 +- 0.5; 3.5	14.4 +- 1.2

Transit Dose = 2.3 +- 0.4; 4.3

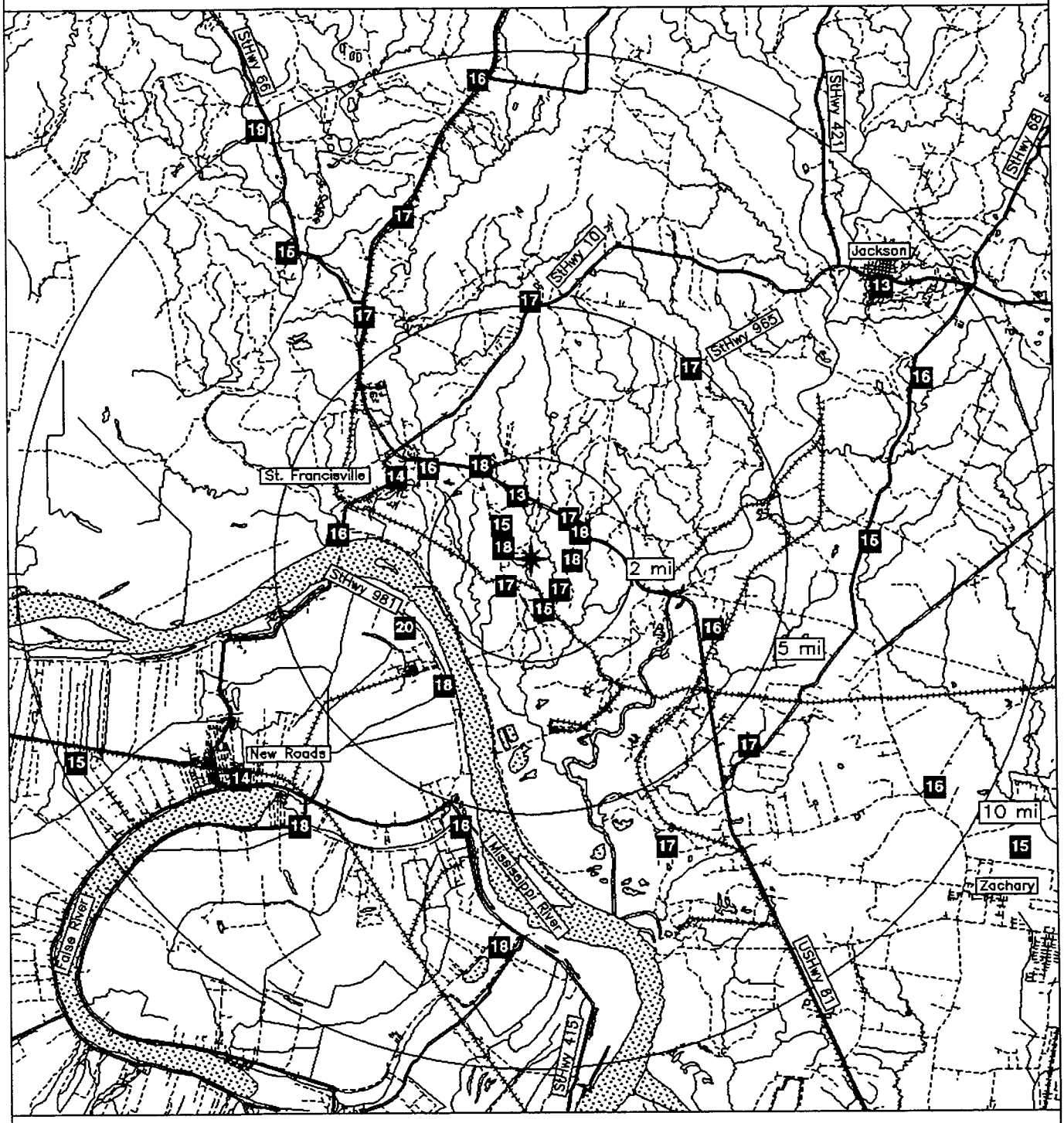
RIVER BEND
For the period 970908-980310

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	16.5 +- 0.8	2
11.26 - 33.75 NNE	No Data +- No Data	0
33.76 - 56.25 NE	15.6 +- 2.3	3
56.26 - 78.75 ENE	17.4 +- 1.5	2
78.76 - 101.25 E	16.6 +- 2.0	2
101.26 - 123.75 ESE	16.5 +- 1.9	4
123.76 - 146.25 SE	17.2 +- 0.1	2
146.26 - 168.75 SSE	16.1 +- 1.0	2
168.76 - 191.25 S	17.5 +- 1.6	3
191.26 - 213.75 SSW	15.7 +- 0.8	2
213.76 - 236.25 SW	16.7 +- 1.7	5
236.26 - 258.75 WSW	17.4 +- 2.9	2
258.76 - 281.25 W	17.4 +- 2.2	2
281.26 - 303.75 WNW	16.1 +- 2.8	2
303.76 - 326.25 NW	16.0 +- 0.9	4
326.26 - 348.75 NNW	16.7 +- 2.4	5

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	17.0 +- 1.9	14
2 - 5	16.8 +- 1.7	8
> 5	16.2 +- 1.3	20
Upwind Control	13.3 +- 0.0	1

NRC TLD DOSES FOR RIVER BEND AREA



ROBINSON
TLD Direct Radiation Environmental Monitoring
For the period 970910-980211 155 Days
Field Time: 92 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)	Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	191 0.2	19.4 +- 0.6; 2.9	+- 0.7; 4.1 14.2	+- 1.2
2	151 1.9	27.3 +- 0.8; 4.1	21.9 +- 0.9; 5.0	22.1 +- 1.6
3	134 2.0	23.7 +- 0.7; 3.6	18.3 +- 0.8; 4.6	17.7 +- 1.2
4	119 1.9	20.4 +- 0.6; 3.1	15.1 +- 0.7; 4.2	14.2 +- 0.9
5	89 2.1	23.0 +- 0.7; 3.4	17.6 +- 0.8; 4.5	17.5 +- 1.4
6	65 1.0	22.5 +- 0.7; 3.4	17.1 +- 0.8; 4.5	15.9 +- 1.0
7	46 1.8	22.1 +- 0.7; 3.3	16.7 +- 0.7; 4.4	16.7 +- 1.6
8	27 1.9	23.6 +- 0.7; 3.5	18.3 +- 0.8; 4.6	16.8 +- 1.1
9	22 3.5	21.7 +- 0.7; 3.3	16.4 +- 0.7; 4.4	16.3 +- 1.5
10	0 5.0	24.6 +- 0.7; 3.7	19.2 +- 0.8; 4.7	17.9 +- 1.1
11	51 4.8	24.7 +- 0.7; 3.7	19.3 +- 0.8; 4.7	19.1 +- 1.0
12	67 4.1	20.4 +- 0.6; 3.1	15.1 +- 0.7; 4.2	14.4 +- 1.4
13	87 4.5	23.2 +- 0.7; 3.5	17.8 +- 0.8; 4.5	15.7 +- 1.0
14	109 5.0	23.2 +- 0.7; 3.5	17.8 +- 0.8; 4.5	16.2 +- 1.1
15	118 4.8	22.3 +- 0.7; 3.3	16.9 +- 0.8; 4.4	16.3 +- 1.9
16	138 5.3	23.1 +- 0.7; 3.5	17.8 +- 0.8; 4.5	16.8 +- 1.2
17	115 17.1	22.4 +- 0.7; 3.4	17.0 +- 0.8; 4.5	15.4 +- 1.7
18	199 12.6	22.6 +- 0.7; 3.4	17.2 +- 0.8; 4.5	16.3 +- 0.9
19	208 4.8	27.3 +- 0.8; 4.1	21.9 +- 0.9; 5.0	22.0 +- 2.3
20	225 4.0	26.3 +- 0.8; 3.9	20.9 +- 0.9; 4.9	19.3 +- 1.3
21	178 4.6	18.0 +- 0.5; 2.7	12.7 +- 0.6; 4.0	12.7 +- 1.1
22	167 3.7	22.4 +- 0.7; 3.4	17.0 +- 0.8; 4.5	16.0 +- 1.0
23	181 2.3	21.5 +- 0.6; 3.2	16.1 +- 0.7; 4.4	15.3 +- 0.9
24	194 2.0	24.2 +- 0.7; 3.6	18.8 +- 0.8; 4.7	18.9 +- 1.1
25	228 2.1	Missing Dosimeter	No Net Data	18.2 +- 0.9
26	245 1.5	21.2 +- 0.6; 3.2	15.9 +- 0.7; 4.3	14.2 +- 1.1
27	273 1.8	19.4 +- 0.6; 2.9	14.1 +- 0.7; 4.1	13.5 +- 1.0
28	287 2.0	20.4 +- 0.6; 3.1	15.1 +- 0.7; 4.2	13.3 +- 0.9
29	311 1.6	24.7 +- 0.7; 3.7	19.3 +- 0.8; 4.7	17.4 +- 0.9
30	334 1.9	21.1 +- 0.6; 3.2	15.7 +- 0.7; 4.3	16.2 +- 1.7
31	351 2.1	19.7 +- 0.6; 2.9	14.4 +- 0.7; 4.2	15.1 +- 1.8
32	333 4.0	23.0 +- 0.7; 3.4	17.6 +- 0.8; 4.5	16.2 +- 1.1
33	318 4.7	23.9 +- 0.7; 3.6	18.5 +- 0.8; 4.6	17.7 +- 1.1
34	310 6.9	23.1 +- 0.7; 3.5	17.8 +- 0.8; 4.5	15.5 +- 1.8
35	295 4.0	26.6 +- 0.8; 4.0	21.1 +- 0.9; 4.9	20.8 +- 1.2
36	269 4.8	25.2 +- 0.8; 3.8	19.7 +- 0.8; 4.8	18.2 +- 1.6
37	252 4.6	23.1 +- 0.7; 3.5	17.7 +- 0.8; 4.5	17.3 +- 1.3
38	274 10.7	21.7 +- 0.7; 3.3	16.4 +- 0.7; 4.4	18.7 +- 3.3
39	286 15.3	19.9 +- 0.6; 3.0	14.6 +- 0.7; 4.2	14.7 +- 1.2
40	289 16.5	21.0 +- 0.6; 3.2	15.7 +- 0.7; 4.3	14.1 +- 0.9
41	291 17.5	19.6 +- 0.6; 2.9	14.3 +- 0.7; 4.2	15.0 +- 1.4

Transit Dose = 5.0 +- 0.4; 3.1

ROBINSON
For the period 970910-980211

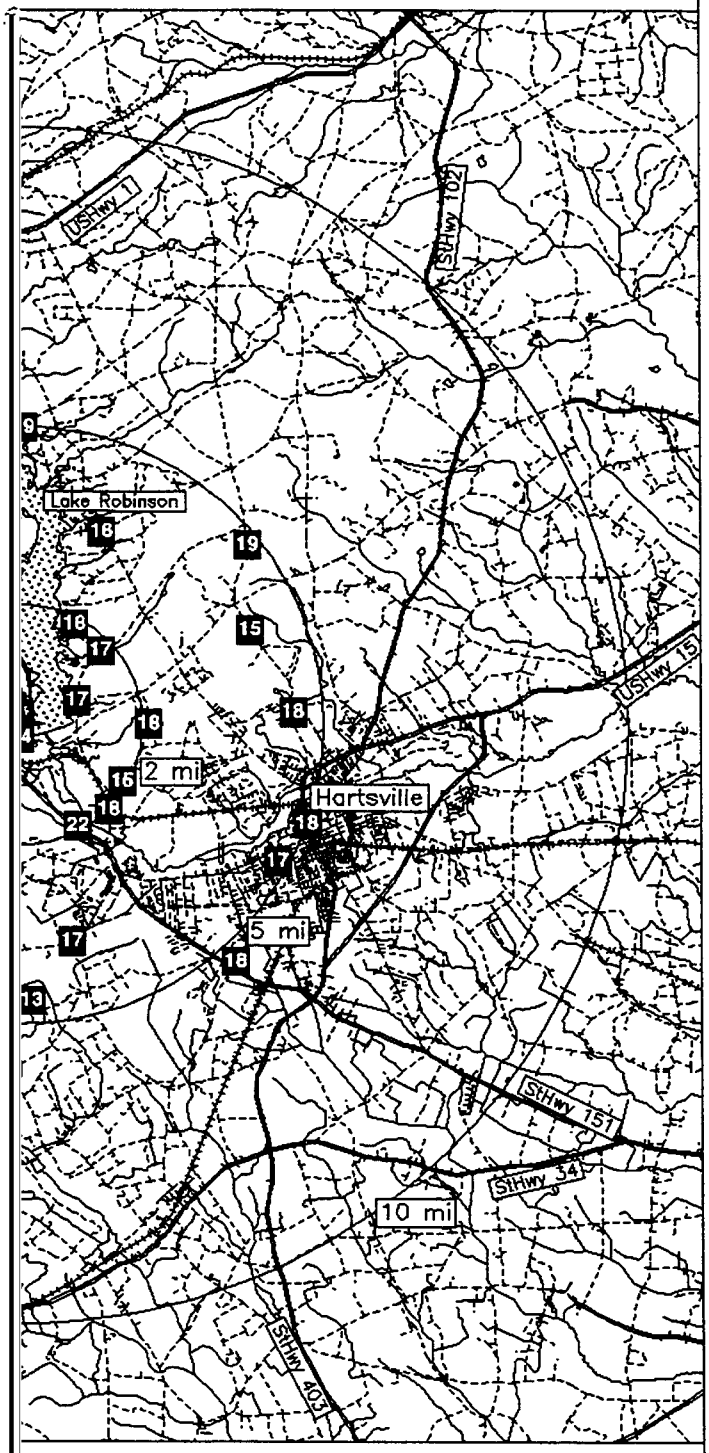
TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	16.8 +- 3.4	2
11.26 - 33.75 NNE	17.3 +- 1.3	2
33.76 - 56.25 NE	18.0 +- 1.8	2
56.26 - 78.75 ENE	16.1 +- 1.4	2
78.76 - 101.25 E	17.7 +- 0.2	2
101.26 - 123.75 ESE	16.7 +- 1.2	4
123.76 - 146.25 SE	18.0 +- 0.4	2
146.26 - 168.75 SSE	19.5 +- 3.4	2
168.76 - 191.25 S	14.3 +- 1.7	3
191.26 - 213.75 SSW	19.3 +- 2.4	3
213.76 - 236.25 SW	20.9 +- 0.0	1
236.26 - 258.75 WSW	16.8 +- 1.3	2
258.76 - 281.25 W	16.7 +- 2.8	3
281.26 - 303.75 WNW	18.1 +- 4.3	2
303.76 - 326.25 NW	18.5 +- 0.8	3
326.26 - 348.75 NNW	16.7 +- 1.3	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	16.9 +- 2.3	13
2 - 5	17.8 +- 2.3	19
> 5	17.2 +- 0.6	5
Upwind Control	14.8 +- 0.7	3

56

DR ROBINSON AREA



les

2 4

end

Plant..site

SALEM (DE)
TLD Direct Radiation Environmental Monitoring
For the period 970910-980113 126 Days
Field Time: 91 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
17	331	4.2	17.8 +- 0.5; 2.7	15.7 +- 0.6; 3.8	16.7 +- 1.7
18	320	3.8	14.8 +- 0.4; 2.2	12.7 +- 0.5; 3.5	13.7 +- 0.9
19	299	3.4	17.5 +- 0.5; 2.6	15.3 +- 0.6; 3.8	15.9 +- 1.1
20	330	9.5	21.9 +- 0.7; 3.3	19.7 +- 0.7; 4.3	19.2 +- 1.2
21	276	3.6	19.9 +- 0.6; 3.0	17.7 +- 0.7; 4.0	18.0 +- 1.2
22	266	4.7	19.7 +- 0.6; 3.0	17.6 +- 0.6; 4.0	17.6 +- 0.7
23	257	4.4	19.4 +- 0.6; 2.9	17.3 +- 0.6; 4.0	17.3 +- 1.1
24	240	4.4	19.4 +- 0.6; 2.9	17.3 +- 0.6; 4.0	17.9 +- 1.0
25	217	4.9	Missing Dosimeter	No Net Data	17.6 +- 1.3
26	204	3.9	18.9 +- 0.6; 2.8	16.8 +- 0.6; 3.9	16.3 +- 1.1
27	188	4.2	19.5 +- 0.6; 2.9	17.3 +- 0.6; 4.0	18.8 +- 2.2
28	319	18.1	Damaged Dosimeter	No Net Data	19.6 +- 1.7
29	265	6.7	16.3 +- 0.5; 2.4	14.2 +- 0.6; 3.7	14.8 +- 0.9
30	340	12.2	17.0 +- 0.5; 2.5	14.9 +- 0.6; 3.7	14.2 +- 1.1
31	0	18.2	20.0 +- 0.6; 3.0	17.8 +- 0.7; 4.1	17.0 +- 1.0
32	338	8.1	17.1 +- 0.5; 2.6	15.0 +- 0.6; 3.8	15.1 +- 1.1
33	265	9.8	17.9 +- 0.5; 2.7	15.8 +- 0.6; 3.8	17.2 +- 1.2
34	207	11.6	18.1 +- 0.5; 2.7	15.9 +- 0.6; 3.9	16.5 +- 1.1

Transit Dose = 2.0 +- 0.3; 2.8

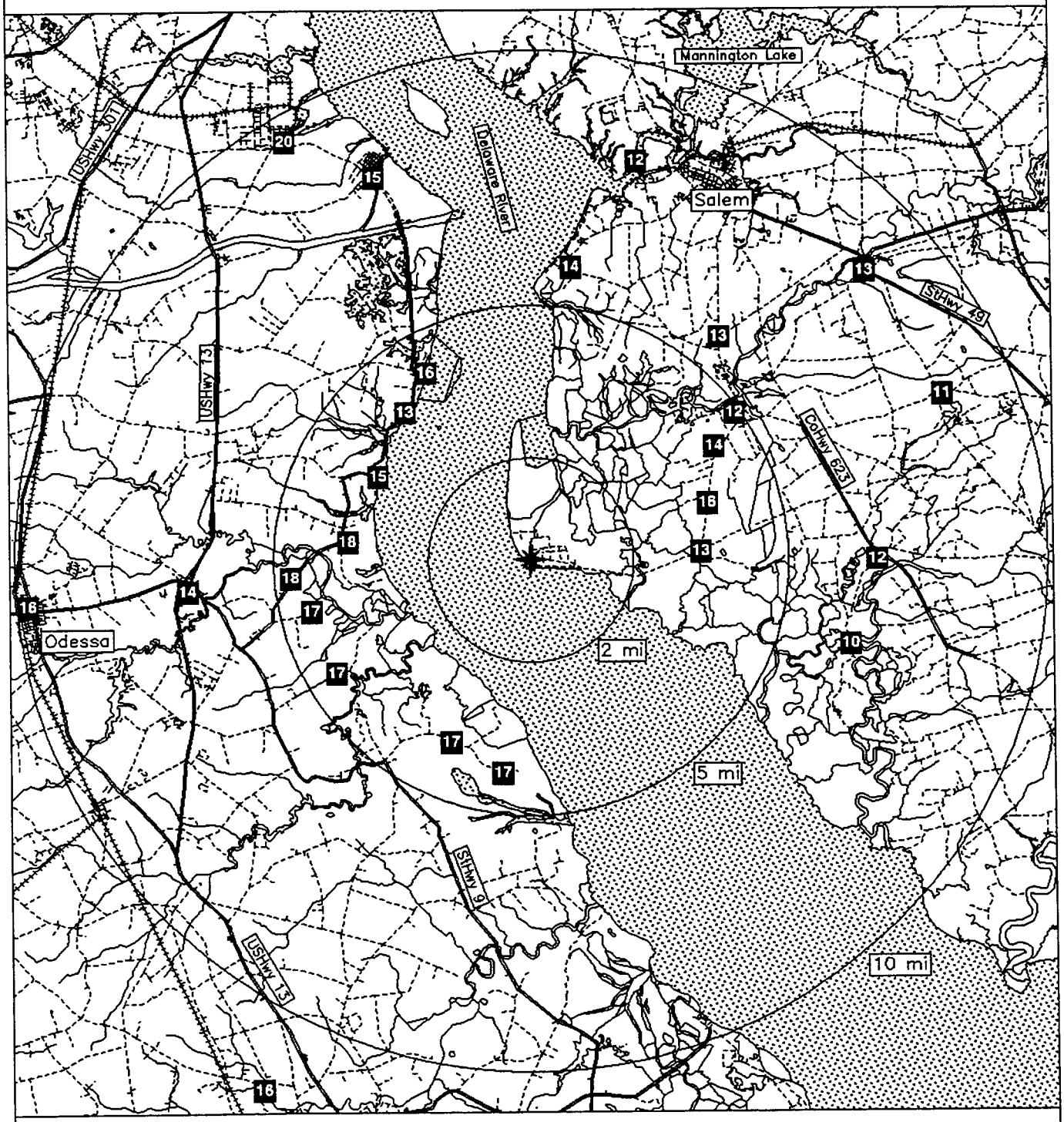
SALEM (DE)
For the period 970910-980113

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	No Data +- No Data	0
11.26 - 33.75 NNE	No Data +- No Data	0
33.76 - 56.25 NE	No Data +- No Data	0
56.26 - 78.75 ENE	No Data +- No Data	0
78.76 - 101.25 E	No Data +- No Data	0
101.26 - 123.75 ESE	No Data +- No Data	0
123.76 - 146.25 SE	No Data +- No Data	0
146.26 - 168.75 SSE	No Data +- No Data	0
168.76 - 191.25 S	17.3 +- 0.0	1
191.26 - 213.75 SSW	16.3 +- 0.6	2
213.76 - 236.25 SW	No Data +- No Data	0
236.26 - 258.75 WSW	17.3 +- 0.0	2
258.76 - 281.25 W	16.3 +- 1.7	4
281.26 - 303.75 WNW	15.3 +- 0.0	1
303.76 - 326.25 NW	12.7 +- 0.0	1
326.26 - 348.75 NNW	16.8 +- 2.6	3

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	No Data +- No Data	0
2 - 5	16.4 +- 1.6	9
> 5	16.1 +- 2.1	5
Upwind Control	16.3 +- 2.1	2

NRC TLD DOSES FOR SALEM – HOPE CREEK AREA



Miles

0 2 4

Legend

Water
Highways
Railroads
Roads
Plant..site

SALEM (NJ)
TLD Direct Radiation Environmental Monitoring
For the period 970910-980113 126 Days
Field Time: 91 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	87	3.3	16.5 +- 0.5; 2.5	13.4 +- 0.6; 3.8	13.9 +- 0.7
2	79	3.4	Missing Dosimeter	No Net Data	13.9 +- 1.2
3	72	3.6	19.2 +- 0.6; 2.9	16.0 +- 0.6; 4.0	16.6 +- 2.2
4	58	4.2	17.6 +- 0.5; 2.6	14.4 +- 0.6; 3.9	15.2 +- 1.4
5	54	4.9	15.6 +- 0.5; 2.3	12.5 +- 0.6; 3.7	13.1 +- 0.9
6	68	8.6	14.2 +- 0.4; 2.1	11.1 +- 0.5; 3.5	11.7 +- 0.9
7	40	5.7	16.1 +- 0.5; 2.4	12.9 +- 0.6; 3.7	13.9 +- 1.0
8	116	12.0	16.0 +- 0.5; 2.4	12.9 +- 0.6; 3.7	13.4 +- 0.8
10	8	5.8	16.7 +- 0.5; 2.5	13.6 +- 0.6; 3.8	13.8 +- 0.9
11	15	8.1	15.4 +- 0.5; 2.3	12.2 +- 0.6; 3.7	13.0 +- 0.8
12	24	8.6	Missing Dosimeter	No Net Data	13.2 +- 0.7
13	49	8.6	15.8 +- 0.5; 2.4	12.6 +- 0.6; 3.7	12.6 +- 0.8
14	90	6.7	14.7 +- 0.4; 2.2	11.5 +- 0.5; 3.6	12.0 +- 1.0
15	105	6.4	13.5 +- 0.4; 2.0	10.4 +- 0.5; 3.5	12.2 +- 0.7

Transit Dose = 3.0 +- 0.3; 2.9

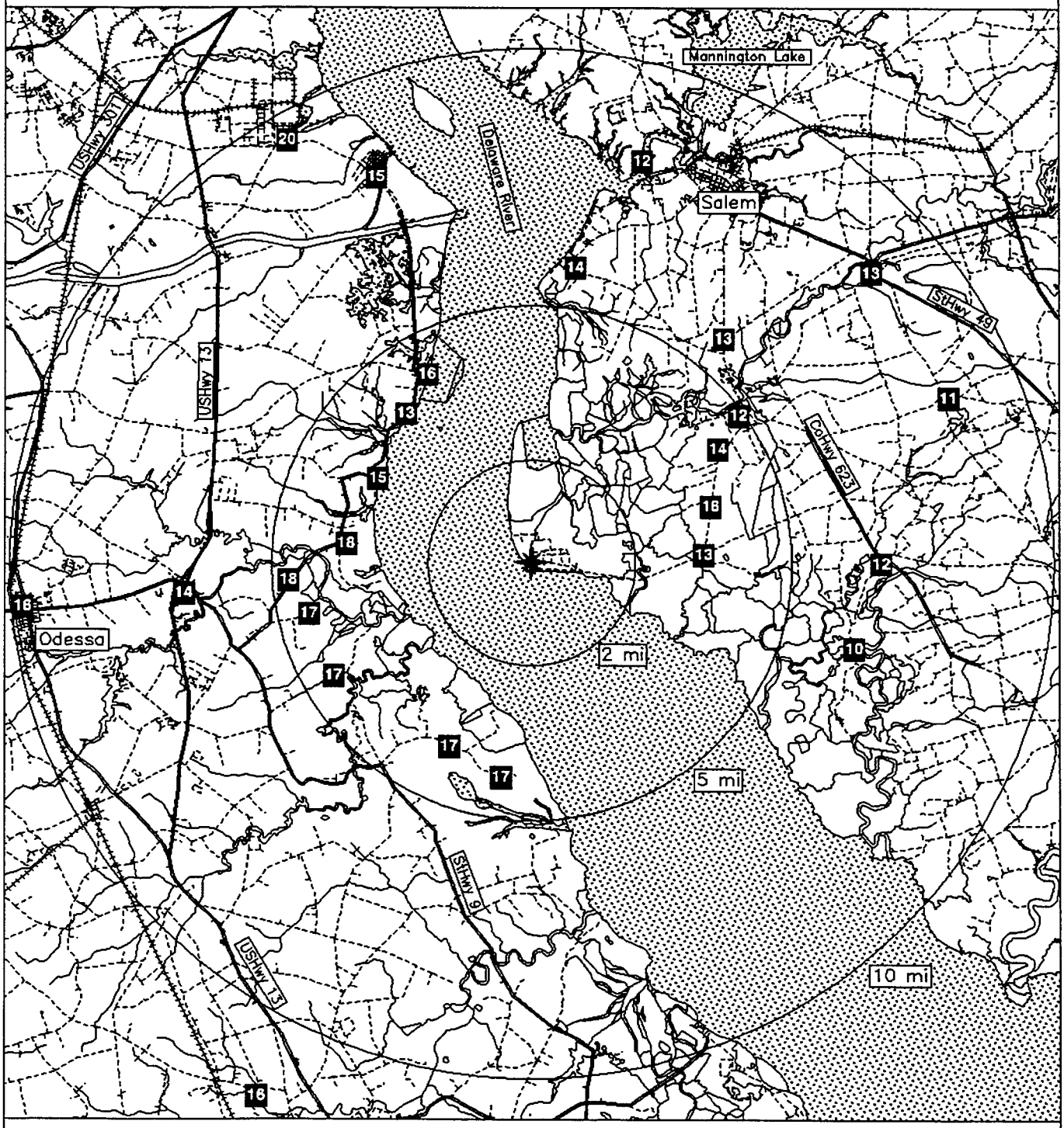
SALEM (NJ)
For the period 970910-980113

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	13.6 +- 0.0	1
11.26 - 33.75 NNE	12.2 +- 0.0	1
33.76 - 56.25 NE	12.7 +- 0.2	3
56.26 - 78.75 ENE	13.8 +- 2.5	3
78.76 - 101.25 E	12.4 +- 1.3	2
101.26 - 123.75 ESE	11.6 +- 1.7	2
123.76 - 146.25 SE	No Data +- No Data	0
146.26 - 168.75 SSE	No Data +- No Data	0
168.76 - 191.25 S	No Data +- No Data	0
191.26 - 213.75 SSW	No Data +- No Data	0
213.76 - 236.25 SW	No Data +- No Data	0
236.26 - 258.75 WSW	No Data +- No Data	0
258.76 - 281.25 W	No Data +- No Data	0
281.26 - 303.75 WNW	No Data +- No Data	0
303.76 - 326.25 NW	No Data +- No Data	0
326.26 - 348.75 NNW	No Data +- No Data	0

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	No Data +- No Data	0
2 - 5	14.0 +- 1.5	4
> 5	12.1 +- 1.1	8
Upwind Control	No Data +- No Data	0

NRC TLD DOSES FOR SALEM – HOPE CREEK AREA



Miles

0 2 4

Legend

Water
Railroads
Plant..site
Highways
Roads

SAN ONOFRE
TLD Direct Radiation Environmental Monitoring
For the period 970908-980209 155 Days
Field Time: 93 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	346	35.0	32.6 +- 1.0; 4.9	24.6 +- 1.0; 5.7	23.4 +- 1.4
2	346	35.0	30.9 +- 0.9; 4.6	22.9 +- 1.0; 5.5	22.9 +- 1.4
3	346	35.0	30.5 +- 0.9; 4.6	22.5 +- 1.0; 5.5	23.1 +- 1.6
4	327	11.0	24.6 +- 0.7; 3.7	16.8 +- 0.8; 4.8	16.5 +- 1.7
5	308	14.0	26.5 +- 0.8; 4.0	18.6 +- 0.9; 5.0	19.3 +- 1.4
6	307	10.0	25.8 +- 0.8; 3.9	17.9 +- 0.9; 4.9	16.9 +- 1.4
7	318	6.3	26.7 +- 0.8; 4.0	18.8 +- 0.9; 5.0	17.4 +- 1.4
8	322	5.1	25.2 +- 0.8; 3.8	17.3 +- 0.8; 4.9	19.2 +- 1.4
9	311	3.3	25.0 +- 0.7; 3.7	17.1 +- 0.8; 4.8	17.4 +- 1.6
10	331	3.3	26.0 +- 0.8; 3.9	18.2 +- 0.9; 5.0	19.3 +- 2.5
11	300	2.6	27.0 +- 0.8; 4.1	19.1 +- 0.9; 5.1	19.1 +- 1.5
12	285	0.5	30.6 +- 0.9; 4.6	22.6 +- 1.0; 5.5	19.8 +- 3.1
13	320	2.4	25.2 +- 0.8; 3.8	17.3 +- 0.9; 4.9	17.7 +- 1.7
14	320	1.7	24.5 +- 0.7; 3.7	16.7 +- 0.8; 4.8	17.6 +- 1.5
15	333	1.2	25.1 +- 0.8; 3.8	17.2 +- 0.8; 4.9	18.0 +- 1.4
16	30	1.9	28.1 +- 0.8; 4.2	20.2 +- 0.9; 5.2	20.6 +- 1.8
17	8	1.3	22.3 +- 0.7; 3.3	14.5 +- 0.8; 4.6	15.4 +- 1.3
18	39	2.0	28.9 +- 0.9; 4.3	20.9 +- 0.9; 5.3	21.4 +- 1.3
19	55	2.9	25.7 +- 0.8; 3.9	17.9 +- 0.9; 4.9	18.0 +- 1.5
20	77	4.1	27.0 +- 0.8; 4.0	19.1 +- 0.9; 5.1	20.2 +- 1.5
21	87	4.7	27.4 +- 0.8; 4.1	19.5 +- 0.9; 5.1	20.3 +- 1.4
22	25	3.4	30.4 +- 0.9; 4.6	22.4 +- 1.0; 5.5	21.7 +- 1.8
23	357	3.5	28.2 +- 0.8; 4.2	20.2 +- 0.9; 5.2	20.2 +- 1.9
24	25	0.4	25.0 +- 0.7; 3.7	17.1 +- 0.8; 4.9	17.9 +- 1.4
25	81	0.4	28.5 +- 0.9; 4.3	20.6 +- 0.9; 5.2	17.7 +- 2.2
26	126	2.1	22.1 +- 0.7; 3.3	14.3 +- 0.8; 4.5	14.9 +- 1.4
27	130	8.6	21.5 +- 0.6; 3.2	13.7 +- 0.8; 4.5	15.0 +- 1.8
28	99	8.9	22.3 +- 0.7; 3.3	14.6 +- 0.8; 4.6	15.3 +- 1.9
29	135	11.0	23.9 +- 0.7; 3.6	16.1 +- 0.8; 4.7	15.9 +- 1.8
30	126	2.0	19.3 +- 0.6; 2.9	11.6 +- 0.7; 4.3	12.3 +- 1.6
31	128	3.7	22.4 +- 0.7; 3.4	14.6 +- 0.8; 4.6	14.6 +- 1.5
32	140	22.0	24.6 +- 0.7; 3.7	16.8 +- 0.8; 4.8	18.7 +- 2.1
33	120	26.0	23.4 +- 0.7; 3.5	15.6 +- 0.8; 4.7	15.1 +- 1.5

Transit Dose = 7.3 +- 0.4; 3.3

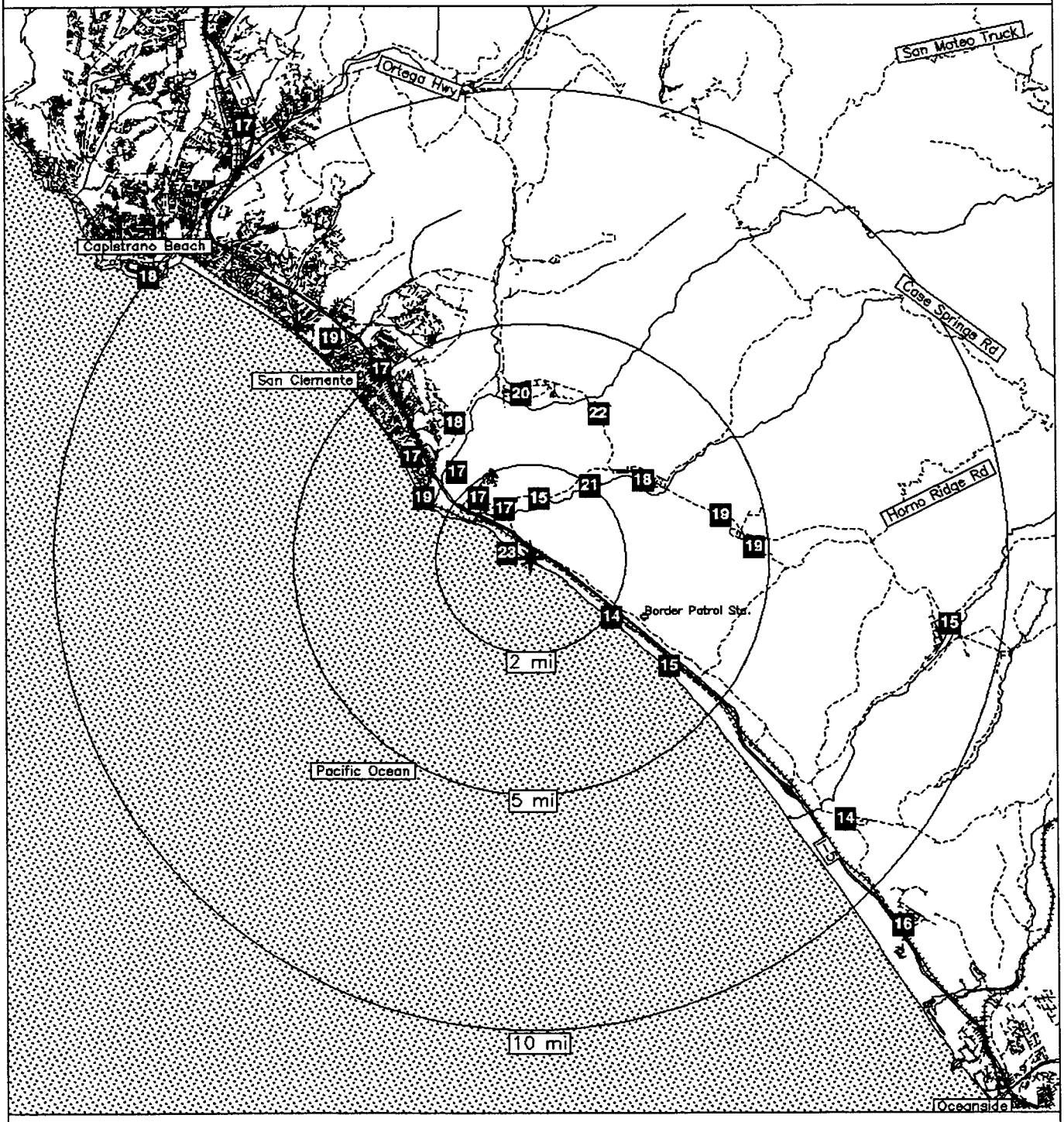
SAN ONOFRE
For the period 970908-980209

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	17.4 +- 4.0	2
11.26 - 33.75 NNE	19.9 +- 2.6	3
33.76 - 56.25 NE	19.4 +- 2.2	2
56.26 - 78.75 ENE	19.1 +- 0.0	1
78.76 - 101.25 E	18.2 +- 3.2	3
101.26 - 123.75 ESE	15.6 +- 0.0	1
123.76 - 146.25 SE	14.5 +- 1.8	6
146.26 - 168.75 SSE	No Data +- No Data	0
168.76 - 191.25 S	No Data +- No Data	0
191.26 - 213.75 SSW	No Data +- No Data	0
213.76 - 236.25 SW	No Data +- No Data	0
236.26 - 258.75 WSW	No Data +- No Data	0
258.76 - 281.25 W	No Data +- No Data	0
281.26 - 303.75 WNW	20.9 +- 2.5	2
303.76 - 326.25 NW	17.7 +- 0.8	7
326.26 - 348.75 NNW	17.4 +- 0.7	3

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	17.9 +- 3.5	9
2 - 5	18.2 +- 2.3	11
> 5	16.6 +- 1.6	10
Upwind Control	23.3 +- 1.1	3

NRC TLD DOSES FOR SAN ONOFRE AREA



Miles

0 2 4

Legend

Water
Railroads
Plant..site
Highways
Roads

SEABROOK
TLD Direct Radiation Environmental Monitoring
For the period 970911-980113 125 Days
Field Time: 100 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	154	0.6	20.2 +- 0.6; 3.0	18.2 +- 0.6; 3.8	17.3 +- 2.4
2	178	0.7	20.1 +- 0.6; 3.0	18.0 +- 0.6; 3.8	16.9 +- 2.3
3	207	0.7	19.5 +- 0.6; 2.9	17.6 +- 0.6; 3.7	16.5 +- 2.6
4	224	0.9	19.6 +- 0.6; 2.9	17.7 +- 0.6; 3.7	17.7 +- 2.7
5	243	1.2	21.7 +- 0.7; 3.3	19.5 +- 0.6; 3.9	16.3 +- 2.9
6	294	1.0	20.2 +- 0.6; 3.0	18.2 +- 0.6; 3.8	17.3 +- 2.4
7	267	0.7	20.2 +- 0.6; 3.0	18.1 +- 0.6; 3.8	16.9 +- 2.4
8	320	1.1	21.3 +- 0.6; 3.2	19.1 +- 0.6; 3.9	17.8 +- 2.8
9	329	1.6	22.7 +- 0.7; 3.4	20.5 +- 0.7; 4.0	19.4 +- 2.7
10	357	1.9	20.8 +- 0.6; 3.1	18.8 +- 0.6; 3.8	16.9 +- 2.6
11	18	2.5	19.3 +- 0.6; 2.9	17.4 +- 0.6; 3.7	17.0 +- 2.5
12	46	1.9	19.4 +- 0.6; 2.9	17.5 +- 0.6; 3.7	16.5 +- 2.2
13	83	1.7	20.3 +- 0.6; 3.0	18.3 +- 0.6; 3.8	17.2 +- 2.4
14	43	4.1	22.8 +- 0.7; 3.4	20.5 +- 0.7; 4.0	18.2 +- 2.6
15	358	4.2	21.7 +- 0.7; 3.3	19.6 +- 0.6; 3.9	18.0 +- 2.7
16	18	11.8	21.8 +- 0.7; 3.3	19.7 +- 0.6; 3.9	18.2 +- 2.6
17	321	7.4	Missing Dosimeter	No Net Data	19.2 +- 2.9
18	291	3.9	21.8 +- 0.7; 3.3	19.7 +- 0.6; 3.9	18.1 +- 2.4
19	267	3.7	21.3 +- 0.6; 3.2	19.2 +- 0.6; 3.9	17.2 +- 2.4
20	251	4.2	22.9 +- 0.7; 3.4	20.6 +- 0.7; 4.1	19.2 +- 3.0
21	228	4.7	18.1 +- 0.5; 2.7	16.3 +- 0.5; 3.6	16.7 +- 2.6
22	209	6.2	22.2 +- 0.7; 3.3	20.0 +- 0.6; 4.0	19.5 +- 2.6
23	187	6.5	22.8 +- 0.7; 3.4	20.5 +- 0.7; 4.0	19.4 +- 2.7
24	163	7.1	19.2 +- 0.6; 2.9	17.3 +- 0.6; 3.7	16.0 +- 2.6
25	174	4.0	17.9 +- 0.5; 2.7	16.1 +- 0.5; 3.6	15.9 +- 2.8
26	157	4.0	19.8 +- 0.6; 3.0	17.8 +- 0.6; 3.7	16.7 +- 2.6
27	136	2.4	21.7 +- 0.7; 3.3	19.5 +- 0.6; 3.9	17.1 +- 2.7
28	118	1.6	20.4 +- 0.6; 3.1	18.3 +- 0.6; 3.8	16.6 +- 2.4
30	67	2.1	22.8 +- 0.7; 3.4	20.5 +- 0.7; 4.0	18.7 +- 2.8
31	335	5.5	21.4 +- 0.6; 3.2	19.2 +- 0.6; 3.9	18.2 +- 2.6
32	318	3.2	22.1 +- 0.7; 3.3	19.9 +- 0.6; 4.0	18.9 +- 2.9
33	230	19.3	Missing Dosimeter	No Net Data	17.4 +- 3.4
34	230	19.3	21.3 +- 0.6; 3.2	19.2 +- 0.6; 3.9	18.2 +- 3.1
35	230	19.3	21.5 +- 0.6; 3.2	19.4 +- 0.6; 3.9	19.3 +- 3.4

Transit Dose = 0.0 +- 0.2; 2.9

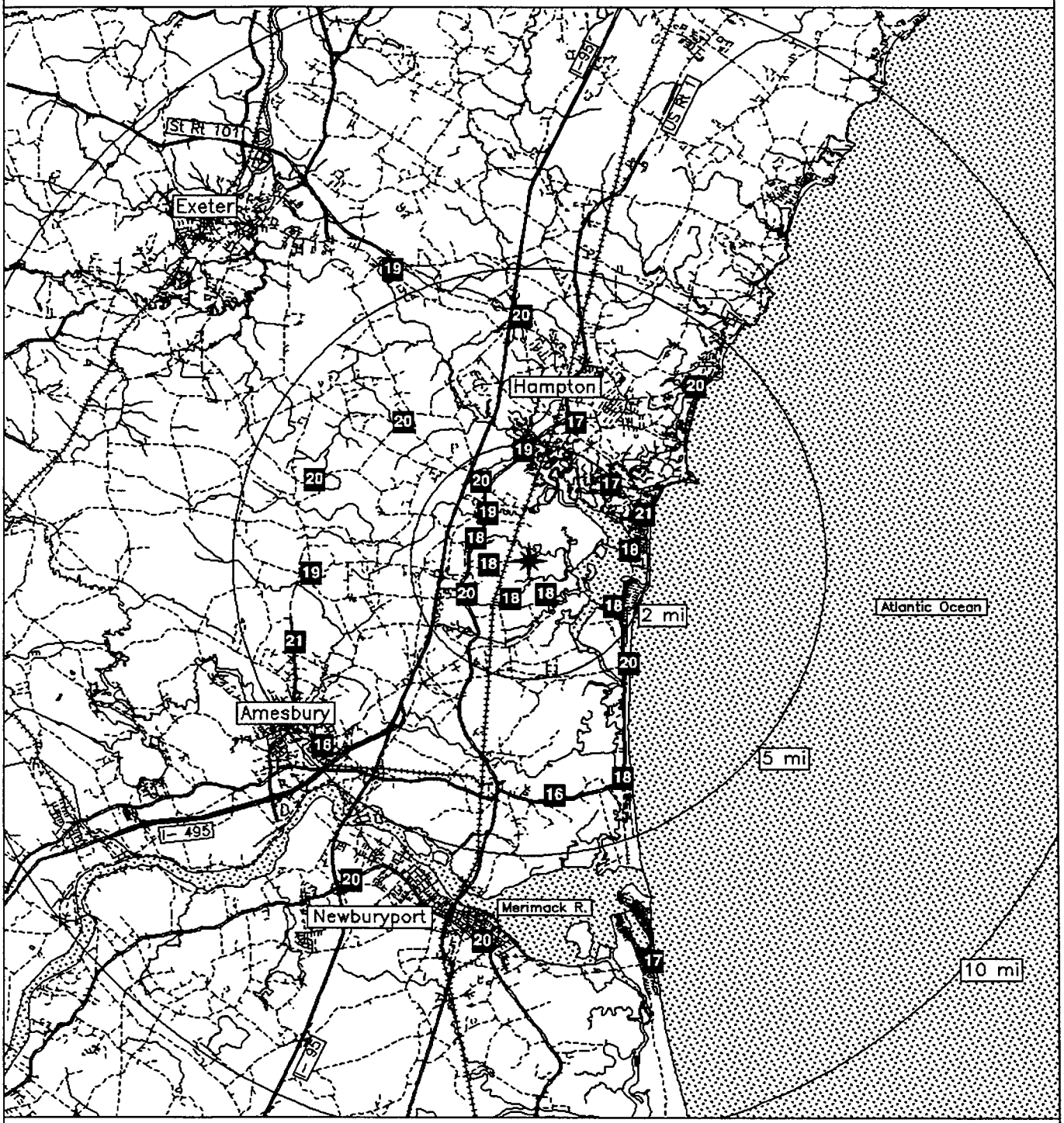
SEABROOK
For the period 970911-980113

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	19.2 +- 0.6	2
11.26 - 33.75 NNE	18.5 +- 1.6	2
33.76 - 56.25 NE	19.0 +- 2.1	2
56.26 - 78.75 ENE	20.5 +- 0.0	1
78.76 - 101.25 E	18.3 +- 0.0	1
101.26 - 123.75 ESE	18.3 +- 0.0	1
123.76 - 146.25 SE	19.5 +- 0.0	1
146.26 - 168.75 SSE	17.8 +- 0.5	3
168.76 - 191.25 S	18.2 +- 2.2	3
191.26 - 213.75 SSW	18.8 +- 1.7	2
213.76 - 236.25 SW	17.8 +- 1.5	3
236.26 - 258.75 WSW	20.1 +- 0.8	2
258.76 - 281.25 W	18.7 +- 0.8	2
281.26 - 303.75 WNW	18.9 +- 1.0	2
303.76 - 326.25 NW	19.1 +- 0.0	1
326.26 - 348.75 NNW	19.9 +- 0.9	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	18.4 +- 0.8	13
2 - 5	18.8 +- 1.7	11
> 5	19.3 +- 1.1	6
Upwind Control	19.5 +- 0.5	2

NRC TLD DOSES FOR SEABROOK AREA



Miles

0 2 4

Legend

Water
Railroads
Plant..site
Highways
Roads

SEQUOYAH
TLD Direct Radiation Environmental Monitoring
For the period 970909-980126 140 Days
Field Time: 97 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)	Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	218 12.0	20.5 +- 0.6; 3.1	18.9 +- 0.6; 3.9	16.9 +- 1.5
2	206 13.0	18.3 +- 0.5; 2.7	16.8 +- 0.6; 3.7	14.7 +- 1.4
3	203 3.9	24.7 +- 0.7; 3.7	22.8 +- 0.7; 4.3	20.4 +- 1.5
4	199 2.0	22.8 +- 0.7; 3.4	21.0 +- 0.7; 4.1	17.3 +- 1.5
5	181 1.4	24.0 +- 0.7; 3.6	22.1 +- 0.7; 4.3	21.1 +- 1.3
6	153 1.5	20.2 +- 0.6; 3.0	18.6 +- 0.6; 3.9	15.8 +- 1.3
7	139 1.9	18.4 +- 0.6; 2.8	16.9 +- 0.6; 3.7	14.9 +- 1.2
8	115 1.8	18.7 +- 0.6; 2.8	17.2 +- 0.6; 3.7	16.1 +- 1.8
9	84 1.6	17.5 +- 0.5; 2.6	16.1 +- 0.5; 3.6	14.0 +- 1.4
10	66 1.3	18.7 +- 0.6; 2.8	17.3 +- 0.6; 3.7	15.6 +- 1.3
11	45 1.5	21.5 +- 0.6; 3.2	19.8 +- 0.6; 4.0	16.8 +- 1.5
12	14 2.0	22.6 +- 0.7; 3.4	20.8 +- 0.7; 4.1	18.9 +- 1.2
13	2 2.1	22.7 +- 0.7; 3.4	20.9 +- 0.7; 4.1	19.2 +- 1.6
14	19 3.9	19.1 +- 0.6; 2.9	17.6 +- 0.6; 3.7	16.1 +- 1.3
15	48 4.0	17.8 +- 0.5; 2.7	16.4 +- 0.5; 3.6	13.7 +- 1.2
16	65 4.9	20.0 +- 0.6; 3.0	18.5 +- 0.6; 3.8	15.9 +- 1.1
17	90 3.9	Damaged Dosimeter	No Net Data	17.1 +- 1.7
18	111 3.4	20.1 +- 0.6; 3.0	18.5 +- 0.6; 3.8	16.2 +- 1.5
19	135 3.4	19.0 +- 0.6; 2.8	17.5 +- 0.6; 3.7	16.4 +- 1.1
20	158 3.4	17.5 +- 0.5; 2.6	16.2 +- 0.5; 3.6	14.7 +- 1.8
21	184 4.6	23.6 +- 0.7; 3.5	21.7 +- 0.7; 4.2	18.8 +- 2.3
22	233 11.0	18.3 +- 0.5; 2.7	16.8 +- 0.6; 3.7	14.8 +- 1.2
23	219 4.9	21.0 +- 0.6; 3.2	19.4 +- 0.6; 3.9	18.3 +- 1.2
24	241 4.3	18.3 +- 0.6; 2.8	16.9 +- 0.6; 3.7	15.7 +- 1.3
25	235 2.0	16.9 +- 0.5; 2.5	15.5 +- 0.5; 3.5	13.4 +- 1.1
26	248 1.5	18.0 +- 0.5; 2.7	16.6 +- 0.6; 3.6	15.7 +- 1.9
27	266 1.2	18.5 +- 0.6; 2.8	17.1 +- 0.6; 3.7	15.0 +- 1.3
28	291 1.2	18.8 +- 0.6; 2.8	17.3 +- 0.6; 3.7	15.9 +- 1.5
29	309 1.2	19.6 +- 0.6; 2.9	18.1 +- 0.6; 3.8	16.3 +- 1.4
30	330 0.5	21.6 +- 0.6; 3.2	19.9 +- 0.6; 4.0	17.2 +- 1.5
31	339 1.8	21.1 +- 0.6; 3.2	19.4 +- 0.6; 3.9	17.2 +- 1.3
32	355 4.9	18.2 +- 0.5; 2.7	16.8 +- 0.6; 3.7	15.2 +- 1.1
33	334 3.6	19.1 +- 0.6; 2.9	17.6 +- 0.6; 3.7	15.1 +- 1.2
34	317 4.4	19.9 +- 0.6; 3.0	18.4 +- 0.6; 3.8	16.0 +- 1.6
35	277 5.6	20.8 +- 0.6; 3.1	19.2 +- 0.6; 3.9	16.5 +- 1.4
36	283 3.6	17.0 +- 0.5; 2.6	15.7 +- 0.5; 3.5	14.5 +- 1.1
37	273 4.4	20.0 +- 0.6; 3.0	18.4 +- 0.6; 3.8	15.6 +- 1.4
38	302 19.0	19.1 +- 0.6; 2.9	17.6 +- 0.6; 3.7	15.6 +- 1.3
39	290 18.0	21.0 +- 0.6; 3.2	19.4 +- 0.6; 3.9	16.6 +- 1.2
40	289 18.0	18.1 +- 0.5; 2.7	16.7 +- 0.6; 3.7	15.0 +- 1.4
41	318 6.1	19.8 +- 0.6; 3.0	18.3 +- 0.6; 3.8	16.1 +- 1.2

Transit Dose = 0.1 +- 0.2; 2.8

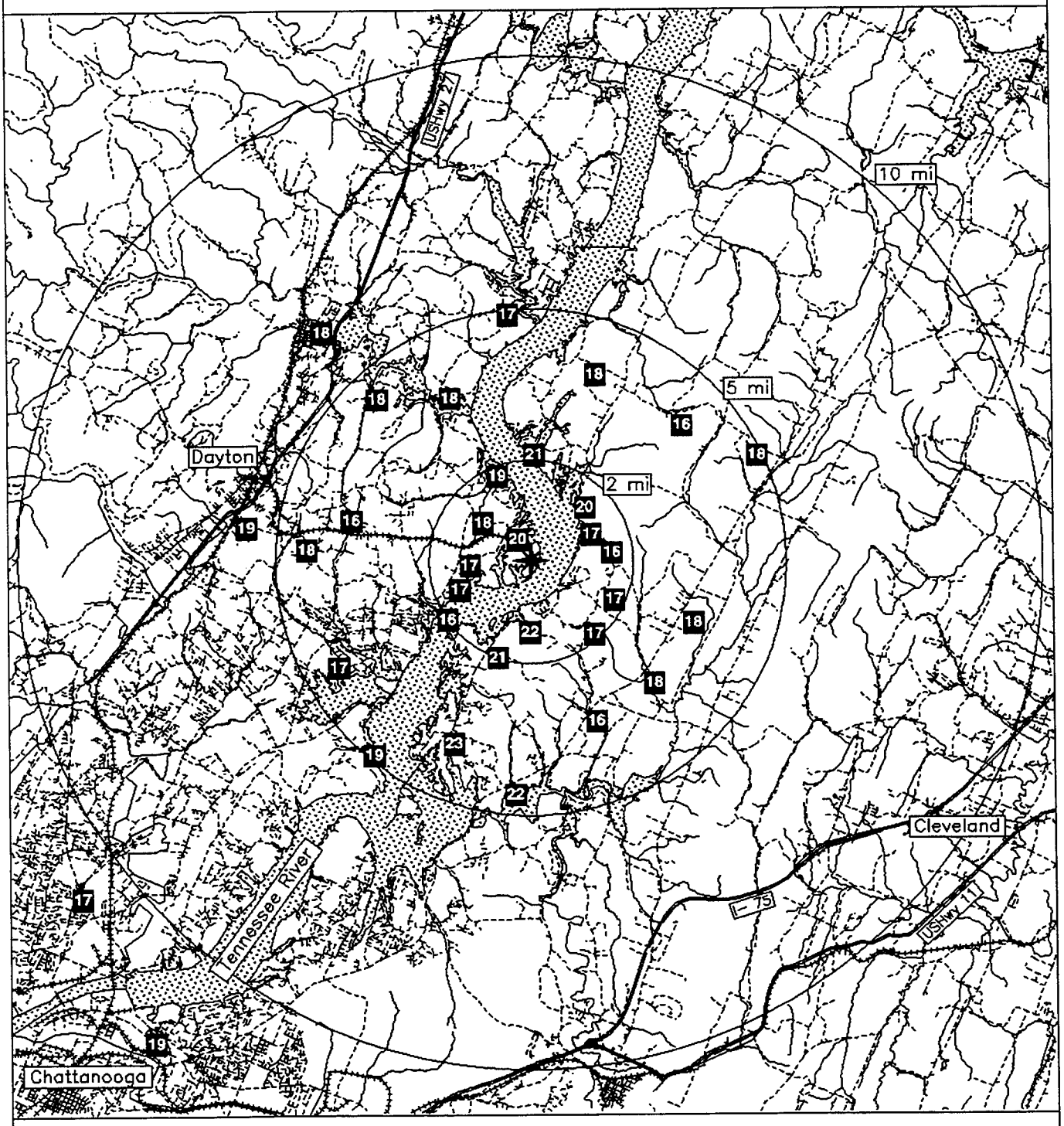
SEQUOYAH
For the period 970909-980126

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	18.9 +- 2.9	2
11.26 - 33.75 NNE	19.2 +- 2.3	2
33.76 - 56.25 NE	18.1 +- 2.4	2
56.26 - 78.75 ENE	17.9 +- 0.9	2
78.76 - 101.25 E	16.1 +- 0.0	1
101.26 - 123.75 ESE	17.9 +- 0.9	2
123.76 - 146.25 SE	17.2 +- 0.4	2
146.26 - 168.75 SSE	17.4 +- 1.7	2
168.76 - 191.25 S	21.9 +- 0.3	2
191.26 - 213.75 SSW	20.2 +- 3.1	3
213.76 - 236.25 SW	17.7 +- 1.8	4
236.26 - 258.75 WSW	16.7 +- 0.2	2
258.76 - 281.25 W	18.2 +- 1.1	3
281.26 - 303.75 WNW	16.5 +- 1.2	2
303.76 - 326.25 NW	18.2 +- 0.1	3
326.26 - 348.75 NNW	19.0 +- 1.2	3

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	18.4 +- 1.9	16
2 - 5	18.3 +- 2.0	16
> 5	18.0 +- 1.1	5
Upwind Control	17.9 +- 1.4	3

NRC TLD DOSES FOR SEQUOYAH AREA



Miles

0 2 4

Legend

Water
Highways
Railroads
Roads
Plant..site

SOUTH TEXAS
TLD Direct Radiation Environmental Monitoring
For the period 970908-980209 155 Days
Field Time: 93 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	90	1.0	22.5 +- 0.7; 3.4	16.0 +- 0.8; 4.5	16.1 +- 1.7
2	63	1.0	22.6 +- 0.7; 3.4	16.1 +- 0.8; 4.5	16.9 +- 1.4
3	40	1.0	22.2 +- 0.7; 3.3	15.8 +- 0.8; 4.5	17.3 +- 1.3
4	19	1.0	21.7 +- 0.6; 3.2	15.2 +- 0.7; 4.4	16.3 +- 1.4
5	4	0.9	22.4 +- 0.7; 3.4	15.9 +- 0.8; 4.5	16.4 +- 1.2
6	339	0.9	23.1 +- 0.7; 3.5	16.6 +- 0.8; 4.6	16.7 +- 1.2
7	318	1.0	21.5 +- 0.6; 3.2	15.0 +- 0.7; 4.4	15.9 +- 1.1
8	294	1.1	24.9 +- 0.7; 3.7	18.3 +- 0.8; 4.8	18.9 +- 1.4
9	267	1.3	25.9 +- 0.8; 3.9	19.3 +- 0.8; 4.9	19.1 +- 1.3
10	126	0.3	20.6 +- 0.6; 3.1	14.2 +- 0.7; 4.3	15.0 +- 1.2
11	180	0.1	22.9 +- 0.7; 3.4	16.4 +- 0.8; 4.5	15.8 +- 1.7
12	257	0.5	20.6 +- 0.6; 3.1	14.1 +- 0.7; 4.3	14.4 +- 1.3
13	262	0.9	20.9 +- 0.6; 3.1	14.4 +- 0.7; 4.3	14.5 +- 1.3
14	250	1.3	20.9 +- 0.6; 3.1	14.5 +- 0.7; 4.3	15.0 +- 1.3
15	227	2.4	21.0 +- 0.6; 3.1	14.5 +- 0.7; 4.3	14.0 +- 1.3
16	210	3.7	19.8 +- 0.6; 3.0	13.4 +- 0.7; 4.2	13.6 +- 1.4
17	175	3.6	20.0 +- 0.6; 3.0	13.6 +- 0.7; 4.2	13.7 +- 1.2
18	158	3.7	21.6 +- 0.6; 3.2	15.2 +- 0.7; 4.4	14.0 +- 1.3
19	143	3.3	19.0 +- 0.6; 2.9	12.7 +- 0.7; 4.2	13.5 +- 1.2
20	122	2.3	20.0 +- 0.6; 3.0	13.6 +- 0.7; 4.2	14.9 +- 1.3
21	121	1.1	21.9 +- 0.7; 3.3	15.5 +- 0.7; 4.4	14.9 +- 1.3
22	257	2.5	23.2 +- 0.7; 3.5	16.6 +- 0.8; 4.6	16.4 +- 1.5
23	262	4.5	25.0 +- 0.7; 3.7	18.4 +- 0.8; 4.8	18.5 +- 1.5
24	282	4.7	22.1 +- 0.7; 3.3	15.6 +- 0.8; 4.5	16.4 +- 1.3
25	304	5.8	20.6 +- 0.6; 3.1	14.2 +- 0.7; 4.3	15.0 +- 1.5
26	242	5.4	21.6 +- 0.6; 3.2	15.1 +- 0.7; 4.4	16.3 +- 1.4
27	223	5.0	Missing Dosimeter	No Net Data	16.2 +- 1.3
28	236	9.6	21.2 +- 0.6; 3.2	14.8 +- 0.7; 4.4	14.3 +- 1.3
29	259	10.0	21.4 +- 0.6; 3.2	14.9 +- 0.7; 4.4	15.6 +- 1.4
30	291	6.2	21.3 +- 0.6; 3.2	14.9 +- 0.7; 4.4	16.3 +- 1.3
31	323	7.8	Missing Dosimeter	No Net Data	17.5 +- 3.5
32	335	7.4	25.6 +- 0.8; 3.8	19.0 +- 0.8; 4.8	20.5 +- 1.7
33	351	5.5	22.1 +- 0.7; 3.3	15.6 +- 0.8; 4.5	14.7 +- 1.4
34	88	4.4	20.7 +- 0.6; 3.1	14.3 +- 0.7; 4.3	14.7 +- 1.4
35	89	6.7	20.3 +- 0.6; 3.0	13.9 +- 0.7; 4.3	14.2 +- 1.3
36	121	3.9	19.9 +- 0.6; 3.0	13.5 +- 0.7; 4.2	14.6 +- 1.4
37	145	8.8	21.0 +- 0.6; 3.2	14.6 +- 0.7; 4.3	14.5 +- 1.6
38	297	12.0	20.6 +- 0.6; 3.1	14.2 +- 0.7; 4.3	14.5 +- 1.5
39	321	9.3	23.3 +- 0.7; 3.5	16.8 +- 0.8; 4.6	17.1 +- 1.2
40	353	12.0	21.6 +- 0.6; 3.2	15.2 +- 0.7; 4.4	14.5 +- 1.3
41	13	18.0	21.7 +- 0.7; 3.3	15.2 +- 0.7; 4.4	15.8 +- 1.4
42	21	5.7	23.1 +- 0.7; 3.5	16.6 +- 0.8; 4.6	16.4 +- 1.9
43	39	5.8	22.9 +- 0.7; 3.4	16.4 +- 0.8; 4.5	16.9 +- 1.4
44	53	5.1	22.8 +- 0.7; 3.4	16.3 +- 0.8; 4.5	17.0 +- 1.9
45	69	7.3	Missing Dosimeter	No Net Data	14.3 +- 1.3
46	66	17.0	25.7 +- 0.8; 3.9	19.1 +- 0.8; 4.9	19.1 +- 1.4

Transit Dose = 6.0 +- 0.4; 3.2

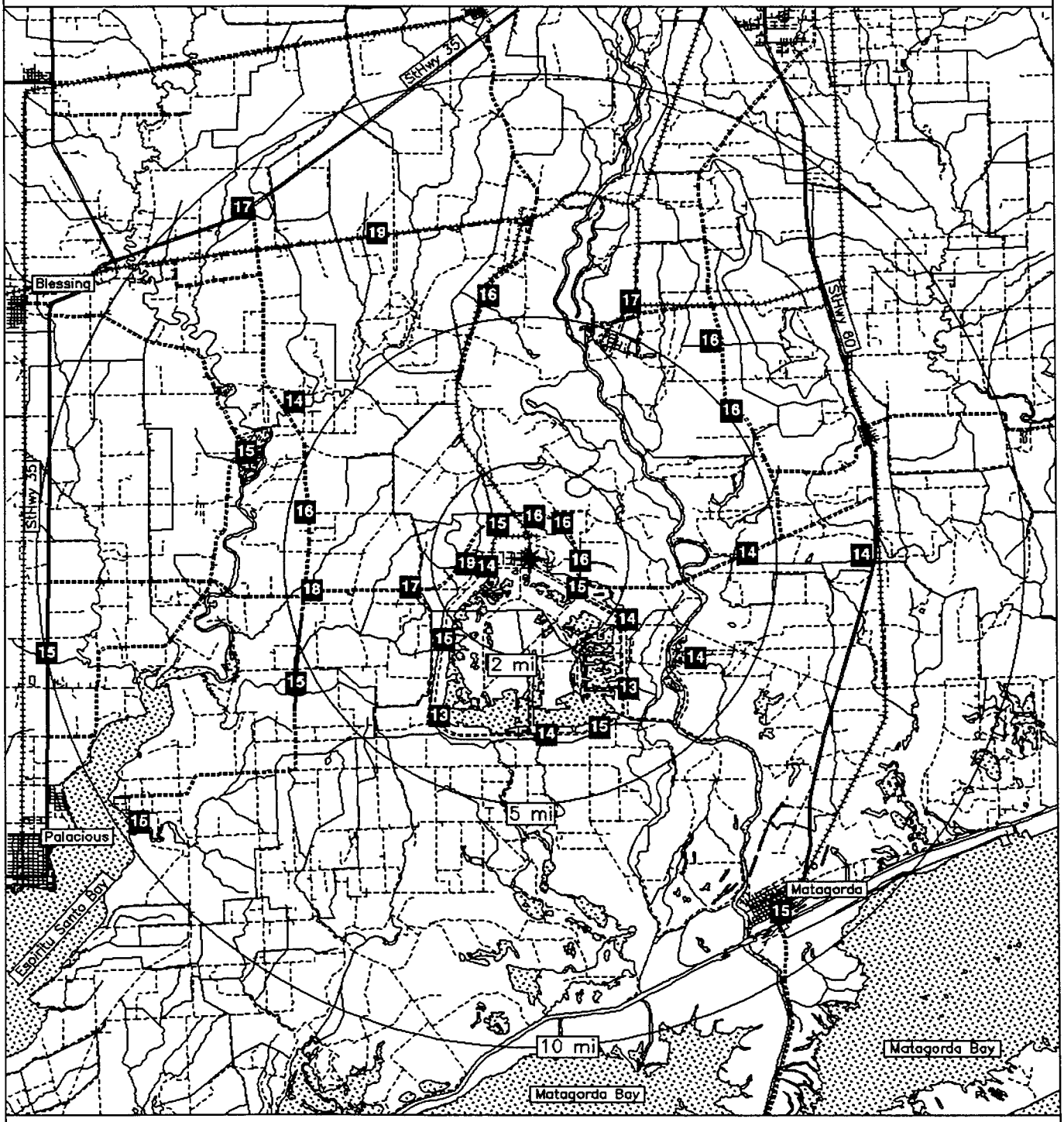
SOUTH TEXAS
For the period 970908-980209

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	15.8 +- 0.2	2
11.26 - 33.75 NNE	15.9 +- 1.0	2
33.76 - 56.25 NE	16.1 +- 0.3	3
56.26 - 78.75 ENE	17.6 +- 2.1	2
78.76 - 101.25 E	14.7 +- 1.1	3
101.26 - 123.75 ESE	14.2 +- 1.1	3
123.76 - 146.25 SE	13.8 +- 1.0	3
146.26 - 168.75 SSE	15.2 +- 0.0	1
168.76 - 191.25 S	15.0 +- 2.0	2
191.26 - 213.75 SSW	13.4 +- 0.0	1
213.76 - 236.25 SW	14.7 +- 0.2	2
236.26 - 258.75 WSW	15.1 +- 1.1	4
258.76 - 281.25 W	16.8 +- 2.4	4
281.26 - 303.75 WNW	16.3 +- 1.8	3
303.76 - 326.25 NW	15.3 +- 1.3	3
326.26 - 348.75 NNW	17.8 +- 1.7	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	15.8 +- 1.5	15
2 - 5	14.7 +- 1.7	11
> 5	15.9 +- 1.6	14
Upwind Control	14.9 +- 0.6	3

NRC TLD DOSES FOR SOUTH TEXAS AREA



Miles

0 2 4

Legend

Water
Railroads
Plant..site
Highways
Roads

ST. LUCIE
TLD Direct Radiation Environmental Monitoring
For the period 970910-980310 182 Days
Field Time: 91 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	20	0.3	Damaged Dosimeter	No Net Data	13.6 +- 2.1
2	45	0.2	23.7 +- 0.7; 3.6	18.2 +- 0.8; 4.7	14.1 +- 2.2
3	67	0.2	19.7 +- 0.6; 3.0	14.2 +- 0.7; 4.2	15.2 +- 3.0
4	92	0.3	18.5 +- 0.6; 2.8	13.0 +- 0.7; 4.1	13.2 +- 2.2
5	115	0.4	18.2 +- 0.5; 2.7	12.7 +- 0.7; 4.1	12.6 +- 2.2
6	143	1.1	18.3 +- 0.5; 2.7	12.8 +- 0.7; 4.1	11.7 +- 2.1
7	150	2.0	17.1 +- 0.5; 2.6	11.7 +- 0.6; 4.0	11.6 +- 2.0
8	154	4.7	17.9 +- 0.5; 2.7	12.5 +- 0.7; 4.0	12.2 +- 2.3
9	152	23.0	19.1 +- 0.6; 2.9	13.7 +- 0.7; 4.2	12.7 +- 2.2
10	152	23.0	18.5 +- 0.6; 2.8	13.1 +- 0.7; 4.1	13.0 +- 1.9
11	152	23.0	18.5 +- 0.6; 2.8	13.0 +- 0.7; 4.1	13.8 +- 2.3
12	168	14.0	Missing Dosimeter	No Net Data	12.7 +- 2.0
13	185	10.0	19.8 +- 0.6; 3.0	14.3 +- 0.7; 4.2	12.6 +- 2.3
14	183	11.0	18.5 +- 0.6; 2.8	13.0 +- 0.7; 4.1	14.3 +- 2.4
15	170	8.0	17.6 +- 0.5; 2.6	12.2 +- 0.6; 4.0	12.3 +- 2.2
16	196	7.0	20.0 +- 0.6; 3.0	14.5 +- 0.7; 4.3	12.7 +- 2.2
17	229	7.9	19.2 +- 0.6; 2.9	13.7 +- 0.7; 4.2	15.5 +- 2.7
18	250	6.6	17.3 +- 0.5; 2.6	11.8 +- 0.6; 4.0	11.7 +- 2.2
19	247	4.8	19.0 +- 0.6; 2.8	13.5 +- 0.7; 4.1	12.2 +- 2.3
20	229	5.0	19.3 +- 0.6; 2.9	13.8 +- 0.7; 4.2	12.8 +- 2.0
21	208	3.8	18.4 +- 0.6; 2.8	12.9 +- 0.7; 4.1	12.2 +- 2.3
22	187	3.8	17.4 +- 0.5; 2.6	12.0 +- 0.6; 4.0	12.4 +- 2.3
23	203	2.6	18.8 +- 0.6; 2.8	13.4 +- 0.7; 4.1	12.8 +- 2.3
24	245	1.9	19.0 +- 0.6; 2.8	13.5 +- 0.7; 4.2	12.4 +- 2.4
25	280	2.2	17.3 +- 0.5; 2.6	11.8 +- 0.6; 4.0	12.9 +- 2.2
26	299	3.1	19.1 +- 0.6; 2.9	13.6 +- 0.7; 4.2	13.1 +- 2.2
27	305	3.8	18.7 +- 0.6; 2.8	13.2 +- 0.7; 4.1	12.6 +- 2.2
28	276	4.0	17.8 +- 0.5; 2.7	12.4 +- 0.7; 4.0	12.1 +- 2.1
29	293	5.8	17.1 +- 0.5; 2.6	11.7 +- 0.6; 4.0	12.5 +- 2.2
30	316	7.7	19.5 +- 0.6; 2.9	14.0 +- 0.7; 4.2	12.5 +- 2.3
32	300	11.0	Missing Dosimeter	No Net Data	13.1 +- 2.3
33	322	8.7	18.4 +- 0.6; 2.8	13.0 +- 0.7; 4.1	13.9 +- 2.2
34	339	8.8	19.8 +- 0.6; 3.0	14.3 +- 0.7; 4.2	12.9 +- 2.1
35	342	2.9	18.7 +- 0.6; 2.8	13.2 +- 0.7; 4.1	12.1 +- 2.0
36	346	1.9	19.7 +- 0.6; 3.0	14.2 +- 0.7; 4.2	13.5 +- 2.2
37	353	1.0	19.2 +- 0.6; 2.9	13.8 +- 0.7; 4.2	12.5 +- 2.4
38	226	2.0	17.3 +- 0.5; 2.6	11.8 +- 0.6; 4.0	12.7 +- 2.2

Transit Dose = 5.3 +- 0.4; 3.1

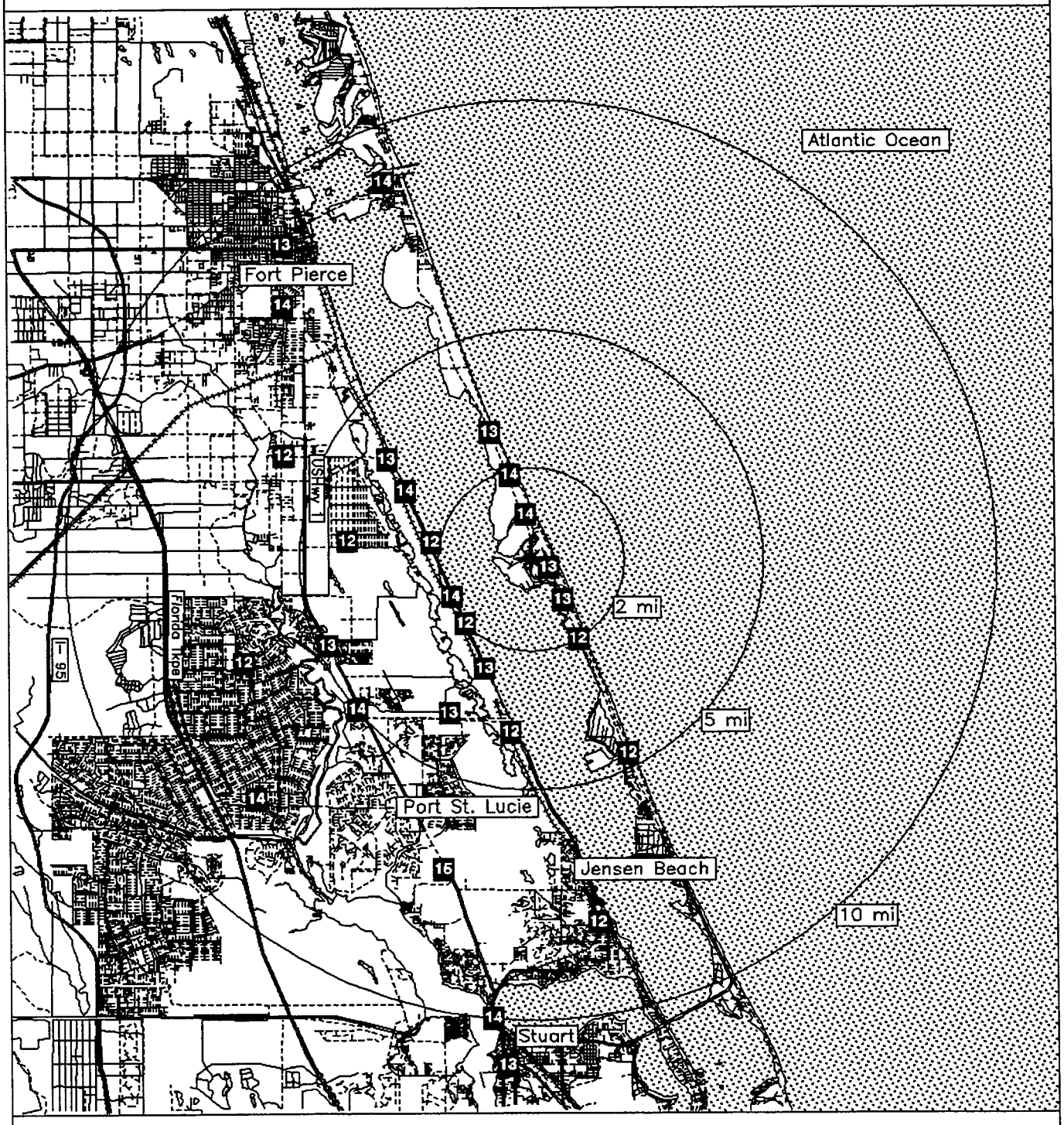
ST. LUCIE
For the period 970910-980310

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	13.8 +- 0.0	1
11.26 - 33.75 NNE	No Data +- No Data	0
33.76 - 56.25 NE	18.2 +- 0.0	1
56.26 - 78.75 ENE	14.2 +- 0.0	1
78.76 - 101.25 E	13.0 +- 0.0	1
101.26 - 123.75 ESE	12.7 +- 0.0	1
123.76 - 146.25 SE	12.8 +- 0.0	1
146.26 - 168.75 SSE	12.1 +- 0.6	2
168.76 - 191.25 S	12.9 +- 1.1	4
191.26 - 213.75 SSW	13.6 +- 0.8	3
213.76 - 236.25 SW	13.1 +- 1.1	3
236.26 - 258.75 WSW	12.9 +- 1.0	3
258.76 - 281.25 W	12.1 +- 0.4	2
281.26 - 303.75 WNW	12.6 +- 1.4	2
303.76 - 326.25 NW	13.4 +- 0.5	3
326.26 - 348.75 NNW	13.9 +- 0.6	3

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	13.6 +- 1.8	10
2 - 5	12.9 +- 0.7	11
> 5	13.3 +- 1.1	10
Upwind Control	13.3 +- 0.4	3

NRC TLD DOSES FOR ST. LUCIE AREA



Miles

0 2 4

Legend

Water
Highways
Railroads
Roads
Plant..site

SUMMER
TLD Direct Radiation Environmental Monitoring
For the period 970910-980211 155 Days
Field Time: 93 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	199	3.7	27.1 +- 0.8; 4.1	19.0 +- 0.9; 5.1	20.5 +- 2.1
2	111	1.0	25.8 +- 0.8; 3.9	17.7 +- 0.9; 5.0	19.3 +- 2.1
3	340	4.1	26.7 +- 0.8; 4.0	18.6 +- 0.9; 5.1	21.8 +- 2.4
4	192	9.3	28.6 +- 0.9; 4.3	20.5 +- 0.9; 5.3	20.8 +- 1.2
5	72	1.8	27.4 +- 0.8; 4.1	19.2 +- 0.9; 5.1	21.8 +- 2.2
6	54	1.5	30.4 +- 0.9; 4.6	22.1 +- 1.0; 5.5	21.7 +- 1.3
7	46	3.0	35.1 +- 1.1; 5.3	26.7 +- 1.1; 6.0	26.4 +- 2.5
8	31	3.0	34.1 +- 1.0; 5.1	25.8 +- 1.1; 5.9	27.7 +- 2.3
9	13	3.9	34.9 +- 1.0; 5.2	26.6 +- 1.1; 6.0	26.5 +- 1.7
10	7	4.0	32.9 +- 1.0; 4.9	24.6 +- 1.1; 5.8	25.7 +- 1.3
11	349	4.3	29.7 +- 0.9; 4.5	21.5 +- 1.0; 5.4	22.6 +- 2.8
12	323	5.0	26.6 +- 0.8; 4.0	18.5 +- 0.9; 5.0	23.4 +- 2.5
13	333	3.0	33.1 +- 1.0; 5.0	24.7 +- 1.1; 5.8	24.5 +- 1.5
14	255	2.8	25.6 +- 0.8; 3.8	17.5 +- 0.9; 4.9	19.2 +- 2.4
15	308	5.6	32.0 +- 1.0; 4.8	23.7 +- 1.0; 5.7	25.2 +- 1.6
16	64	3.5	35.1 +- 1.1; 5.3	26.7 +- 1.1; 6.0	27.1 +- 2.7
17	98	3.1	33.1 +- 1.0; 5.0	24.8 +- 1.1; 5.8	22.7 +- 1.4
18	114	3.5	27.0 +- 0.8; 4.0	18.9 +- 0.9; 5.1	22.4 +- 1.7
19	132	2.0	27.2 +- 0.8; 4.1	19.1 +- 0.9; 5.1	20.5 +- 1.3
20	152	4.5	20.7 +- 0.6; 3.1	12.8 +- 0.7; 4.4	13.8 +- 2.3
21	133	4.1	25.0 +- 0.7; 3.7	16.9 +- 0.8; 4.9	15.6 +- 1.0
22	157	2.4	27.6 +- 0.8; 4.1	19.4 +- 0.9; 5.2	17.8 +- 1.4
23	173	2.4	29.0 +- 0.9; 4.4	20.8 +- 1.0; 5.3	19.6 +- 1.6
24	185	3.9	28.9 +- 0.9; 4.3	20.8 +- 0.9; 5.3	18.9 +- 1.5
25	210	3.3	27.9 +- 0.8; 4.2	19.8 +- 0.9; 5.2	18.8 +- 1.0
26	217	3.3	28.1 +- 0.8; 4.2	19.9 +- 0.9; 5.2	17.6 +- 2.7
27	231	3.1	21.4 +- 0.6; 3.2	13.4 +- 0.8; 4.5	14.6 +- 1.5
28	267	2.7	30.0 +- 0.9; 4.5	21.7 +- 1.0; 5.4	21.8 +- 1.4
29	276	3.4	30.8 +- 0.9; 4.6	22.6 +- 1.0; 5.5	23.4 +- 1.2
30	293	3.8	Missing Dosimeter	No Net Data	24.7 +- 3.7
31	244	3.6	24.7 +- 0.7; 3.7	16.6 +- 0.8; 4.8	19.9 +- 3.3
32	247	6.2	29.7 +- 0.9; 4.5	21.5 +- 1.0; 5.4	23.3 +- 1.8
33	218	9.0	28.1 +- 0.8; 4.2	20.0 +- 0.9; 5.2	20.1 +- 1.2
34	192	9.3	29.2 +- 0.9; 4.4	21.0 +- 1.0; 5.3	20.4 +- 1.2
35	184	14.1	24.3 +- 0.7; 3.6	16.3 +- 0.8; 4.8	15.9 +- 1.0
36	183	14.6	20.3 +- 0.6; 3.0	12.4 +- 0.7; 4.4	14.1 +- 2.3
37	182	14.8	19.1 +- 0.6; 2.9	11.2 +- 0.7; 4.3	13.1 +- 2.4
38	148	20.8	28.1 +- 0.8; 4.2	19.9 +- 0.9; 5.2	20.7 +- 1.7
39	140	25.0	Missing Dosimeter	No Net Data	22.7 +- 2.2
40	135	23.1	25.1 +- 0.8; 3.8	17.0 +- 0.9; 4.9	19.2 +- 2.9

Transit Dose = 7.5 +- 0.5; 3.4

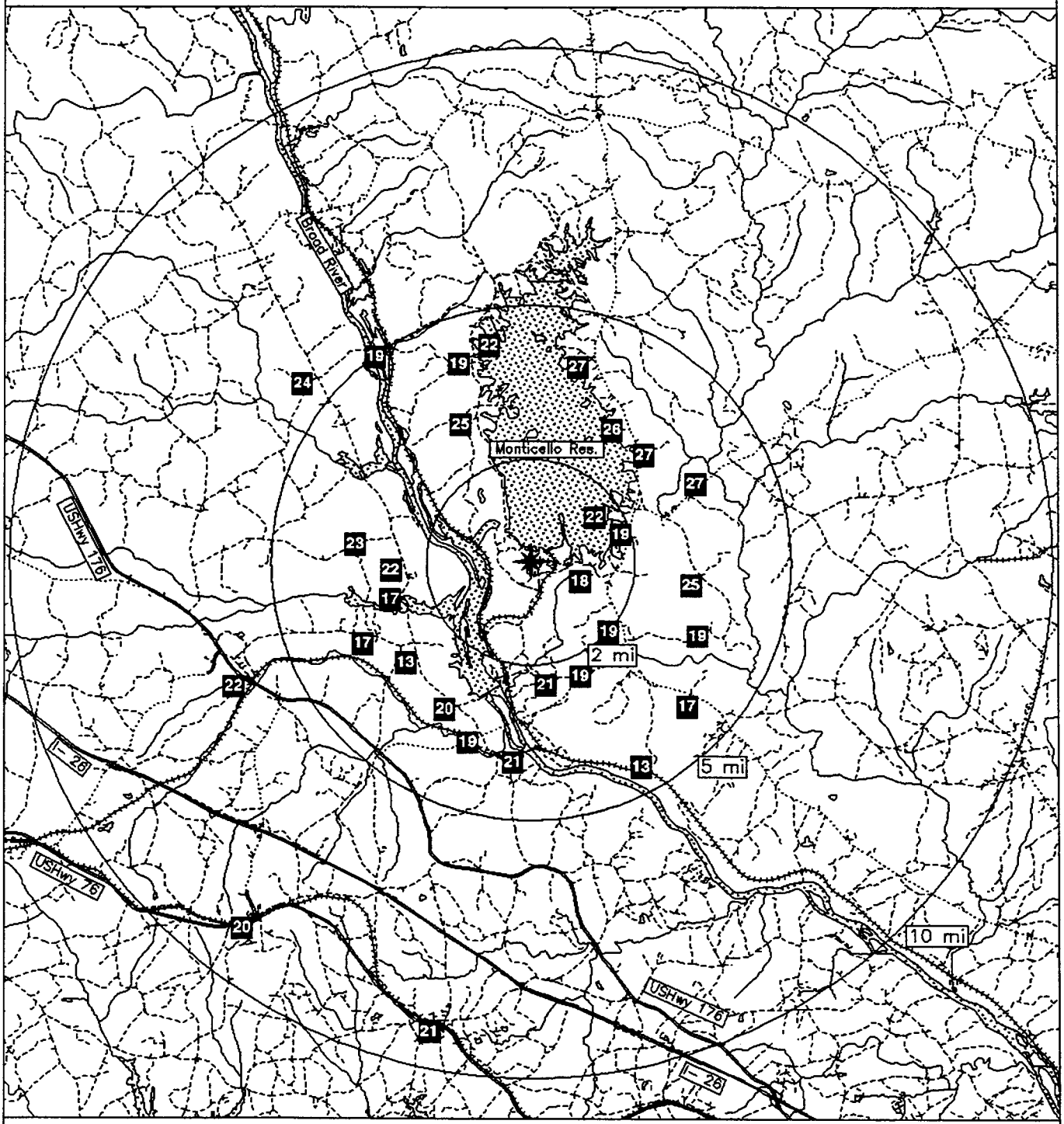
SUMMER
For the period 970910-980211

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	23.1 +- 2.2	2
11.26 - 33.75 NNE	26.2 +- 0.6	2
33.76 - 56.25 NE	24.4 +- 3.3	2
56.26 - 78.75 ENE	22.9 +- 5.3	2
78.76 - 101.25 E	24.8 +- 0.0	1
101.26 - 123.75 ESE	18.3 +- 0.8	2
123.76 - 146.25 SE	17.7 +- 1.2	3
146.26 - 168.75 SSE	17.4 +- 4.0	3
168.76 - 191.25 S	20.8 +- 0.0	2
191.26 - 213.75 SSW	20.1 +- 0.9	4
213.76 - 236.25 SW	17.8 +- 3.8	3
236.26 - 258.75 WSW	18.5 +- 2.6	3
258.76 - 281.25 W	22.2 +- 0.6	2
281.26 - 303.75 WNW	No Data +- No Data	0
303.76 - 326.25 NW	21.1 +- 3.7	2
326.26 - 348.75 NNW	21.6 +- 4.4	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	19.5 +- 1.9	4
2 - 5	20.8 +- 4.0	24
> 5	20.5 +- 2.0	7
Upwind Control	13.3 +- 2.6	3

NRC TLD DOSES FOR SUMMER AREA



Miles

0 2 4

Legend

Water

Railroads

Plant..site

Highways

Roads

SURRY
TLD Direct Radiation Environmental Monitoring
For the period 970909-980205 150 Days
Field Time: 99 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	18	19.0	21.5 +- 0.6; 3.2	15.0 +- 0.7; 4.2	15.5 +- 0.9
2	129	17.0	22.0 +- 0.7; 3.3	15.4 +- 0.7; 4.2	16.6 +- 1.2
3	162	17.0	21.4 +- 0.6; 3.2	14.9 +- 0.7; 4.2	16.1 +- 1.5
4	162	17.0	20.6 +- 0.6; 3.1	14.2 +- 0.7; 4.1	13.6 +- 1.1
5	156	5.1	24.1 +- 0.7; 3.6	17.4 +- 0.7; 4.4	17.8 +- 1.1
6	189	4.1	20.4 +- 0.6; 3.1	14.0 +- 0.7; 4.1	14.7 +- 1.0
7	202	2.2	21.4 +- 0.6; 3.2	14.9 +- 0.7; 4.2	15.1 +- 1.2
8	183	1.6	24.7 +- 0.7; 3.7	18.0 +- 0.8; 4.5	17.5 +- 1.0
9	243	0.2	26.8 +- 0.8; 4.0	19.8 +- 0.8; 4.7	20.4 +- 0.9
10	269	0.1	26.9 +- 0.8; 4.0	20.0 +- 0.8; 4.7	22.2 +- 1.5
11	304	0.1	25.1 +- 0.8; 3.8	18.3 +- 0.8; 4.5	21.9 +- 2.7
12	334	0.2	28.7 +- 0.9; 4.3	21.5 +- 0.9; 4.9	22.7 +- 1.6
13	10	1.2	22.6 +- 0.7; 3.4	16.0 +- 0.7; 4.3	16.2 +- 1.1
14	21	2.0	22.9 +- 0.7; 3.4	16.3 +- 0.7; 4.3	16.7 +- 1.1
15	203	4.5	Missing Dosimeter	No Net Data	15.4 +- 1.0
16	224	3.7	20.6 +- 0.6; 3.1	14.2 +- 0.7; 4.1	14.3 +- 0.8
17	212	2.0	23.2 +- 0.7; 3.5	16.6 +- 0.7; 4.3	17.2 +- 0.9
18	248	5.1	21.8 +- 0.7; 3.3	15.3 +- 0.7; 4.2	14.8 +- 1.1
19	259	8.1	22.6 +- 0.7; 3.4	16.0 +- 0.7; 4.3	15.5 +- 1.9
20	285	5.0	17.1 +- 0.5; 2.6	11.0 +- 0.6; 3.8	10.7 +- 1.4
21	270	4.1	24.5 +- 0.7; 3.7	17.7 +- 0.8; 4.5	18.5 +- 1.1
22	123	12.0	25.1 +- 0.8; 3.8	18.3 +- 0.8; 4.5	20.4 +- 2.4
23	102	11.0	26.7 +- 0.8; 4.0	19.8 +- 0.8; 4.7	22.1 +- 1.9
24	106	4.9	22.9 +- 0.7; 3.4	16.3 +- 0.7; 4.3	17.6 +- 0.9
25	90	5.2	24.5 +- 0.7; 3.7	17.7 +- 0.8; 4.5	17.0 +- 1.0
26	69	5.1	27.9 +- 0.8; 4.2	20.9 +- 0.8; 4.8	21.3 +- 1.2
27	23	5.3	24.8 +- 0.7; 3.7	18.0 +- 0.8; 4.5	18.4 +- 1.1
28	49	5.0	23.8 +- 0.7; 3.6	17.1 +- 0.7; 4.4	18.4 +- 1.1
29	7	6.8	22.0 +- 0.7; 3.3	15.5 +- 0.7; 4.2	17.4 +- 1.4
30	359	6.5	21.7 +- 0.6; 3.2	15.1 +- 0.7; 4.2	15.7 +- 1.0
31	1	4.6	19.5 +- 0.6; 2.9	13.2 +- 0.6; 4.0	13.4 +- 1.9
32	332	3.8	22.4 +- 0.7; 3.4	15.8 +- 0.7; 4.3	16.5 +- 1.2
33	314	5.4	23.0 +- 0.7; 3.5	16.4 +- 0.7; 4.3	17.4 +- 1.1
34	308	6.4	20.5 +- 0.6; 3.1	14.1 +- 0.7; 4.1	16.2 +- 1.6
35	348	5.3	19.9 +- 0.6; 3.0	13.5 +- 0.7; 4.0	15.4 +- 0.9
36	343	15.0	21.1 +- 0.6; 3.2	14.6 +- 0.7; 4.1	16.5 +- 1.1
37	340	15.0	20.2 +- 0.6; 3.0	13.9 +- 0.7; 4.1	14.2 +- 1.0
38	339	16.0	22.9 +- 0.7; 3.4	16.3 +- 0.7; 4.3	16.7 +- 2.1
39	153	1.9	25.5 +- 0.8; 3.8	18.7 +- 0.8; 4.6	18.7 +- 1.1
40	144	2.1	28.2 +- 0.8; 4.2	21.1 +- 0.8; 4.9	17.4 +- 3.1

Transit Dose = 5.0 +- 0.4; 3.3

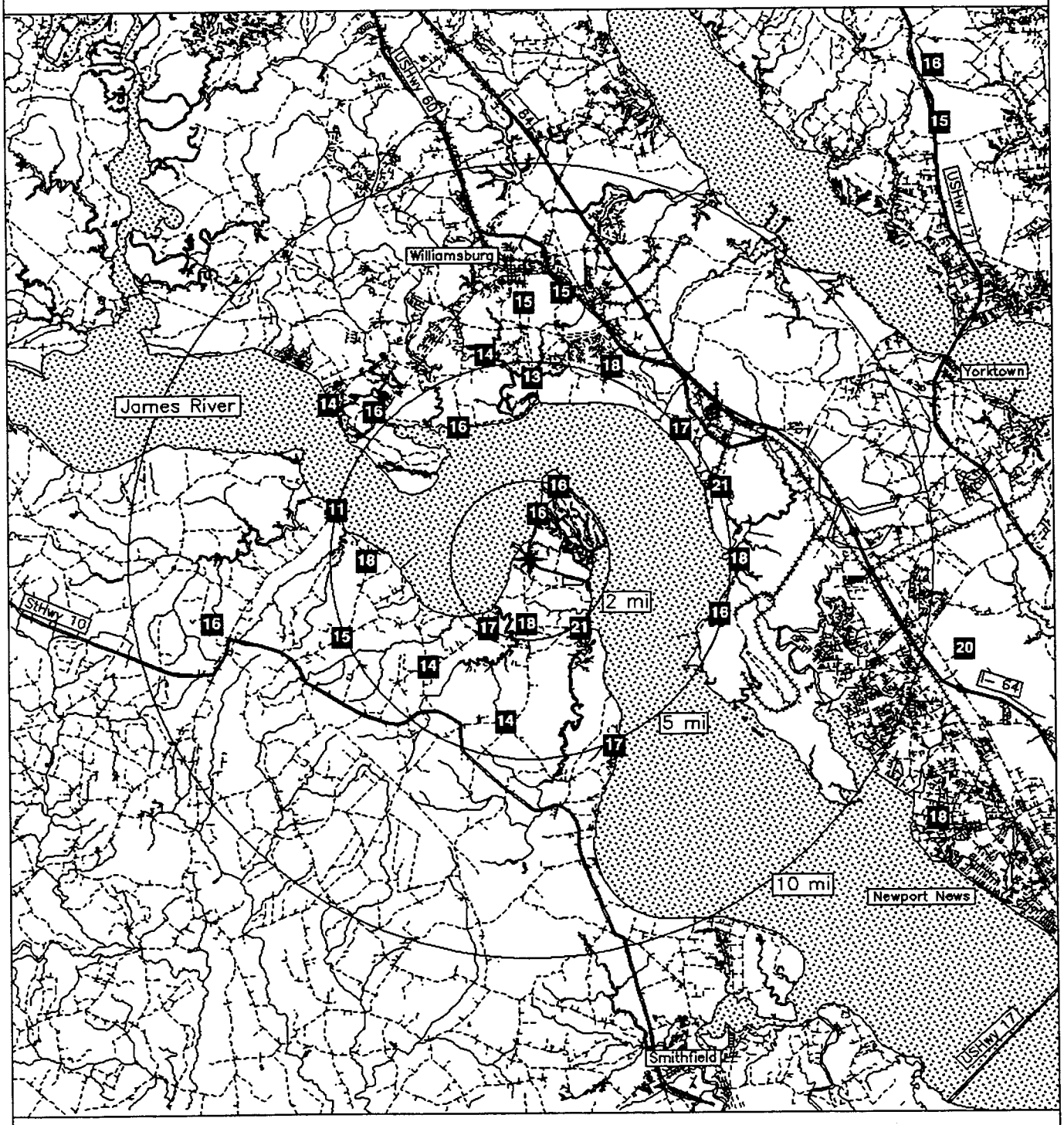
SURRY
For the period 970909-980205

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	15.0 +- 1.2	4
11.26 - 33.75 NNE	16.4 +- 1.5	3
33.76 - 56.25 NE	17.1 +- 0.0	1
56.26 - 78.75 ENE	20.9 +- 0.0	1
78.76 - 101.25 E	17.7 +- 0.0	1
101.26 - 123.75 ESE	18.1 +- 1.8	3
123.76 - 146.25 SE	18.3 +- 4.0	2
146.26 - 168.75 SSE	16.3 +- 2.1	4
168.76 - 191.25 S	16.0 +- 2.8	2
191.26 - 213.75 SSW	15.7 +- 1.2	2
213.76 - 236.25 SW	14.2 +- 0.0	1
236.26 - 258.75 WSW	17.5 +- 3.2	2
258.76 - 281.25 W	17.9 +- 2.0	3
281.26 - 303.75 WNW	11.0 +- 0.0	1
303.76 - 326.25 NW	16.3 +- 2.1	3
326.26 - 348.75 NNW	17.0 +- 4.1	3

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	18.3 +- 1.9	9
2 - 5	15.5 +- 2.8	10
> 5	16.3 +- 2.0	17
Upwind Control	14.9 +- 1.2	3

NRC TLD DOSES FOR SURRY AREA



SUSQUEHANNA
TLD Direct Radiation Environmental Monitoring
For the period 970911-980113 125 Days
Field Time: 99 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	19	1.4	22.7 +- 0.7; 3.4	19.8 +- 0.7; 4.1	18.8 +- 1.2
2	358	1.4	22.9 +- 0.7; 3.4	19.9 +- 0.7; 4.1	19.2 +- 1.0
3	332	1.6	21.3 +- 0.6; 3.2	18.5 +- 0.6; 4.0	17.8 +- 1.1
4	315	1.8	20.5 +- 0.6; 3.1	17.8 +- 0.6; 3.9	17.6 +- 1.1
5	287	1.7	23.0 +- 0.7; 3.5	20.0 +- 0.7; 4.1	19.2 +- 1.4
6	270	1.3	22.3 +- 0.7; 3.3	19.4 +- 0.7; 4.1	18.6 +- 1.1
7	239	1.8	21.4 +- 0.6; 3.2	18.6 +- 0.6; 4.0	18.0 +- 1.3
8	217	2.0	25.4 +- 0.8; 3.8	22.2 +- 0.7; 4.4	21.2 +- 1.4
9	201	1.5	21.8 +- 0.7; 3.3	19.0 +- 0.6; 4.0	19.0 +- 1.4
10	185	1.3	19.5 +- 0.6; 2.9	16.9 +- 0.6; 3.8	17.3 +- 1.3
11	243	5.1	22.8 +- 0.7; 3.4	19.8 +- 0.7; 4.1	19.1 +- 1.0
12	252	4.6	21.6 +- 0.6; 3.2	18.8 +- 0.6; 4.0	18.2 +- 1.0
13	274	3.4	24.2 +- 0.7; 3.6	21.1 +- 0.7; 4.3	21.3 +- 1.3
14	286	3.6	23.4 +- 0.7; 3.5	20.4 +- 0.7; 4.2	19.7 +- 1.1
15	1	3.9	26.3 +- 0.8; 3.9	23.0 +- 0.8; 4.5	20.5 +- 1.5
16	334	4.1	21.0 +- 0.6; 3.1	18.2 +- 0.6; 3.9	19.5 +- 1.2
17	312	4.4	23.1 +- 0.7; 3.5	20.1 +- 0.7; 4.1	18.9 +- 1.4
18	33	5.0	23.6 +- 0.7; 3.5	20.5 +- 0.7; 4.2	19.5 +- 1.3
19	45	9.9	22.1 +- 0.7; 3.3	19.2 +- 0.7; 4.0	19.9 +- 1.1
20	65	4.7	25.4 +- 0.8; 3.8	22.2 +- 0.7; 4.4	20.9 +- 1.2
21	43	3.3	22.5 +- 0.7; 3.4	19.6 +- 0.7; 4.1	21.0 +- 1.5
22	33	0.9	23.0 +- 0.7; 3.5	20.0 +- 0.7; 4.1	18.9 +- 2.0
23	57	1.2	21.4 +- 0.6; 3.2	18.5 +- 0.6; 4.0	17.7 +- 1.2
24	87	1.4	22.7 +- 0.7; 3.4	19.7 +- 0.7; 4.1	19.3 +- 1.1
25	111	1.4	22.7 +- 0.7; 3.4	19.7 +- 0.7; 4.1	18.9 +- 1.2
26	137	1.5	21.5 +- 0.6; 3.2	18.6 +- 0.6; 4.0	18.9 +- 1.1
27	152	1.5	22.7 +- 0.7; 3.4	19.8 +- 0.7; 4.1	19.8 +- 1.0
28	107	3.6	24.1 +- 0.7; 3.6	21.0 +- 0.7; 4.2	20.7 +- 1.3
29	99	4.3	23.6 +- 0.7; 3.5	20.6 +- 0.7; 4.2	20.3 +- 1.0
30	138	3.6	23.6 +- 0.7; 3.5	20.5 +- 0.7; 4.2	20.4 +- 1.1
31	162	3.4	25.1 +- 0.8; 3.8	21.9 +- 0.7; 4.4	22.0 +- 1.3
32	176	3.5	25.3 +- 0.8; 3.8	22.1 +- 0.7; 4.4	20.7 +- 1.4
33	192	3.2	24.6 +- 0.7; 3.7	21.5 +- 0.7; 4.3	21.1 +- 1.2
34	231	4.4	23.4 +- 0.7; 3.5	20.4 +- 0.7; 4.2	19.7 +- 1.1
35	134	12.3	23.3 +- 0.7; 3.5	20.3 +- 0.7; 4.2	19.8 +- 1.6
36	114	13.5	25.7 +- 0.8; 3.8	22.4 +- 0.7; 4.4	22.0 +- 1.4
37	150	15.6	23.0 +- 0.7; 3.4	20.0 +- 0.7; 4.1	19.0 +- 1.4

Transit Dose = 1.0 +- 0.3; 3.0

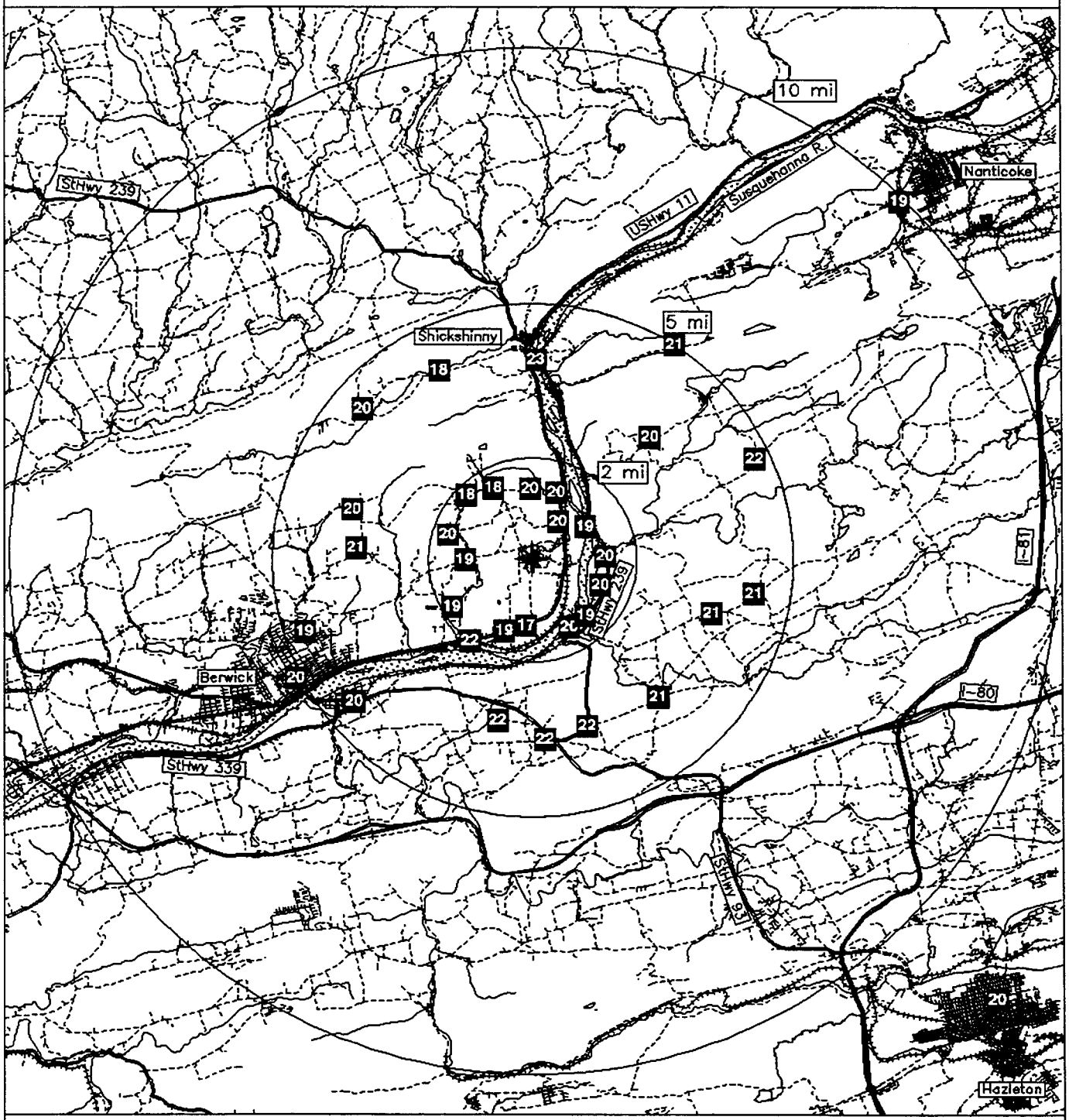
SUSQUEHANNA
For the period 970911-980113

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	21.4 +- 2.2	2
11.26 - 33.75 NNE	20.1 +- 0.4	3
33.76 - 56.25 NE	19.4 +- 0.3	2
56.26 - 78.75 ENE	20.4 +- 2.6	2
78.76 - 101.25 E	20.2 +- 0.6	2
101.26 - 123.75 ESE	20.4 +- 0.9	2
123.76 - 146.25 SE	19.6 +- 1.3	2
146.26 - 168.75 SSE	20.9 +- 1.5	2
168.76 - 191.25 S	19.5 +- 3.7	2
191.26 - 213.75 SSW	20.2 +- 1.8	2
213.76 - 236.25 SW	21.3 +- 1.3	2
236.26 - 258.75 WSW	19.1 +- 0.7	3
258.76 - 281.25 W	20.2 +- 1.3	2
281.26 - 303.75 WNW	20.2 +- 0.3	2
303.76 - 326.25 NW	18.9 +- 1.7	2
326.26 - 348.75 NNW	18.3 +- 0.2	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	19.3 +- 1.2	16
2 - 5	20.7 +- 1.3	16
> 5	19.5 +- 0.4	2
Upwind Control	20.9 +- 1.3	3

NRC TLD DOSES FOR SUSQUEHANNA AREA



Miles

0 2 4

Legend

Water
Railroads
Plant..site
Highways
Roads

THREE MILE ISLAND
TLD Direct Radiation Environmental Monitoring
For the period 970910-980113 126 Days
Field Time: 100 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	95	5.9	19.0 +- 0.6; 2.9	16.8 +- 0.6; 3.7	16.2 +- 1.4
2	102	3.9	20.9 +- 0.6; 3.1	18.5 +- 0.6; 3.9	18.3 +- 1.9
3	110	2.7	15.7 +- 0.5; 2.3	13.8 +- 0.5; 3.4	13.6 +- 2.4
4	162	1.8	18.4 +- 0.6; 2.8	16.3 +- 0.5; 3.6	15.6 +- 1.6
5	161	2.3	19.3 +- 0.6; 2.9	17.0 +- 0.6; 3.7	15.3 +- 1.7
6	152	1.1	18.4 +- 0.6; 2.8	16.3 +- 0.5; 3.6	16.1 +- 1.6
7	123	0.5	17.4 +- 0.5; 2.6	15.3 +- 0.5; 3.5	14.1 +- 1.6
8	87	0.4	20.7 +- 0.6; 3.1	18.3 +- 0.6; 3.9	16.2 +- 1.8
9	61	0.5	17.4 +- 0.5; 2.6	15.4 +- 0.5; 3.5	14.9 +- 1.5
10	1	1.7	18.2 +- 0.5; 2.7	16.0 +- 0.5; 3.6	15.3 +- 1.8
11	27	0.8	18.8 +- 0.6; 2.8	16.6 +- 0.6; 3.7	15.1 +- 1.6
12	48	1.0	17.4 +- 0.5; 2.6	15.3 +- 0.5; 3.5	15.6 +- 1.6
13	19	2.0	19.4 +- 0.6; 2.9	17.1 +- 0.6; 3.7	15.8 +- 1.8
14	358	2.4	17.6 +- 0.5; 2.6	15.5 +- 0.5; 3.6	14.5 +- 1.8
15	132	9.0	21.3 +- 0.6; 3.2	18.9 +- 0.6; 3.9	18.3 +- 1.8
16	0	3.0	16.9 +- 0.5; 2.5	14.9 +- 0.5; 3.5	14.3 +- 1.7
18	347	3.5	21.0 +- 0.6; 3.1	18.6 +- 0.6; 3.9	18.4 +- 1.8
19	343	3.1	19.4 +- 0.6; 2.9	17.2 +- 0.6; 3.7	16.8 +- 1.7
20	318	5.0	19.2 +- 0.6; 2.9	16.9 +- 0.6; 3.7	15.7 +- 1.8
21	348	2.7	14.7 +- 0.4; 2.2	12.9 +- 0.5; 3.3	12.5 +- 1.7
22	17	3.1	19.2 +- 0.6; 2.9	16.9 +- 0.6; 3.7	16.0 +- 1.7
23	64	3.7	15.8 +- 0.5; 2.4	13.9 +- 0.5; 3.4	13.0 +- 1.6
24	44	3.6	19.2 +- 0.6; 2.9	17.0 +- 0.6; 3.7	16.8 +- 1.8
25	327	0.4	Missing Dosimeter	No Net Data	12.9 +- 2.9
27	7	7.1	23.2 +- 0.7; 3.5	20.6 +- 0.7; 4.1	20.4 +- 1.8
29	293	0.4	Missing Dosimeter	No Net Data	15.9 +- 3.2
30	314	1.1	Missing Dosimeter	No Net Data	17.3 +- 3.2
31	303	8.6	16.5 +- 0.5; 2.5	14.5 +- 0.5; 3.5	13.6 +- 1.6
32	297	7.6	20.0 +- 0.6; 3.0	17.7 +- 0.6; 3.8	17.0 +- 1.7
33	302	5.8	15.3 +- 0.5; 2.3	13.5 +- 0.5; 3.4	13.4 +- 1.7
34	296	2.3	19.0 +- 0.6; 2.8	16.8 +- 0.6; 3.7	16.5 +- 1.6
35	308	1.8	19.8 +- 0.6; 3.0	17.5 +- 0.6; 3.8	16.5 +- 1.4
36	265	1.2	17.7 +- 0.5; 2.7	15.6 +- 0.5; 3.6	13.4 +- 2.0
37	256	1.4	16.4 +- 0.5; 2.5	14.4 +- 0.5; 3.5	13.8 +- 1.6
38	225	1.9	17.6 +- 0.5; 2.6	15.5 +- 0.5; 3.6	16.3 +- 1.5
39	204	2.0	15.6 +- 0.5; 2.3	13.7 +- 0.5; 3.4	13.1 +- 1.5
40	202	2.5	17.5 +- 0.5; 2.6	15.4 +- 0.5; 3.6	14.7 +- 1.5
41	184	12.6	20.9 +- 0.6; 3.1	18.5 +- 0.6; 3.9	16.7 +- 1.7
42	259	7.4	18.7 +- 0.6; 2.8	16.5 +- 0.6; 3.7	16.0 +- 1.7
43	268	6.2	18.1 +- 0.5; 2.7	15.9 +- 0.5; 3.6	16.4 +- 2.0
44	249	4.3	17.4 +- 0.5; 2.6	15.4 +- 0.5; 3.5	15.1 +- 1.7
45	221	0.5	Missing Dosimeter	No Net Data	13.4 +- 2.4
46	171	3.0	19.1 +- 0.6; 2.9	16.9 +- 0.6; 3.7	15.6 +- 1.8
47	177	5.7	17.0 +- 0.5; 2.5	15.0 +- 0.5; 3.5	15.1 +- 1.8
48	181	9.1	24.0 +- 0.7; 3.6	21.3 +- 0.7; 4.2	21.3 +- 2.0
49	199	1.0	Missing Dosimeter	No Net Data	15.0 +- 2.5
50	145	4.9	20.9 +- 0.6; 3.1	18.5 +- 0.6; 3.9	16.9 +- 2.3

Transit Dose = 0.4 +- 0.3; 2.9

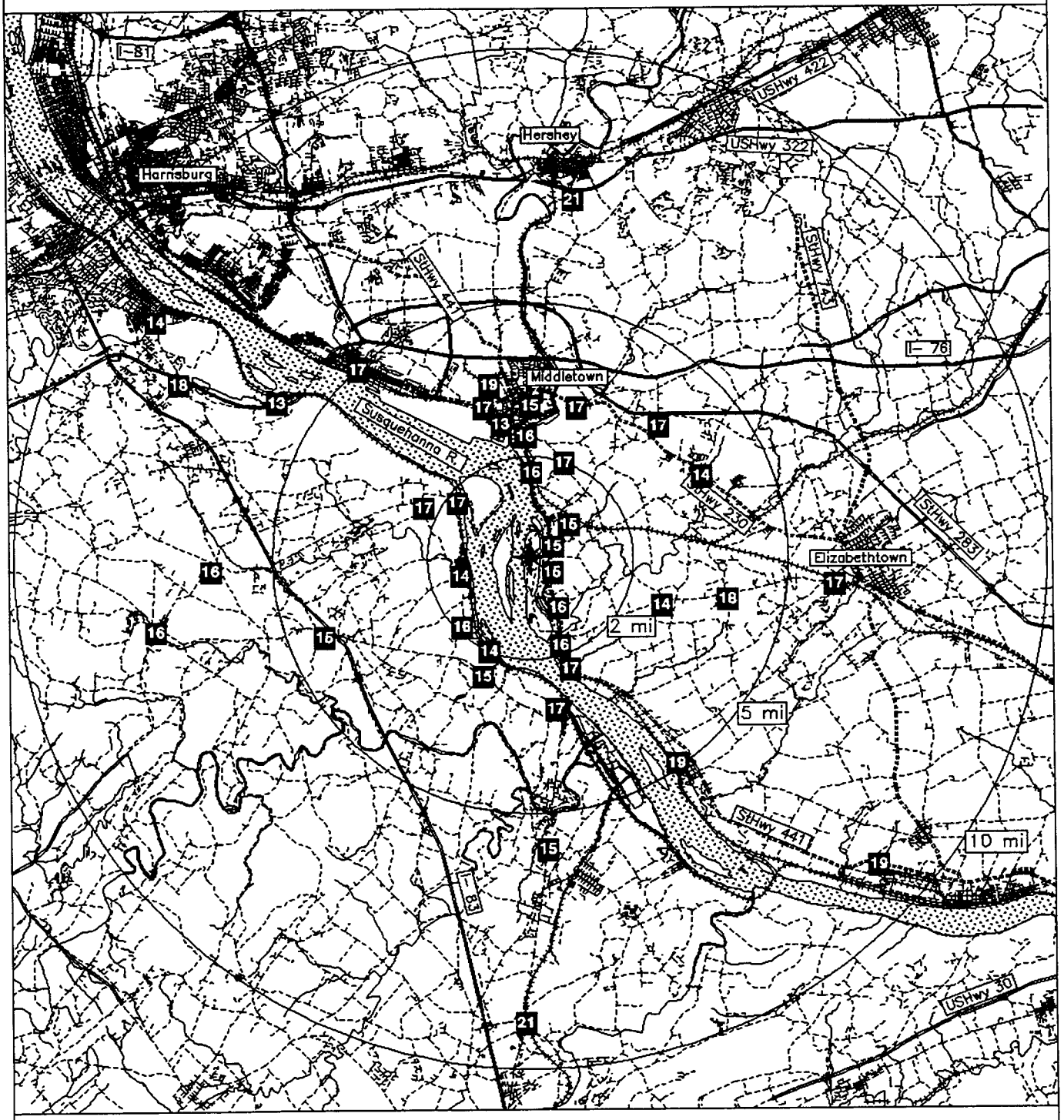
THREE MILE ISLAND
For the period 970910-980113

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	16.8 +- 2.6	4
11.26 - 33.75 NNE	16.9 +- 0.3	3
33.76 - 56.25 NE	16.2 +- 1.2	2
56.26 - 78.75 ENE	14.6 +- 1.0	2
78.76 - 101.25 E	17.6 +- 1.1	2
101.26 - 123.75 ESE	15.9 +- 2.4	3
123.76 - 146.25 SE	18.7 +- 0.3	2
146.26 - 168.75 SSE	16.5 +- 0.4	3
168.76 - 191.25 S	17.9 +- 2.7	4
191.26 - 213.75 SSW	14.6 +- 1.2	2
213.76 - 236.25 SW	15.5 +- 0.0	1
236.26 - 258.75 WSW	15.4 +- 0.0	1
258.76 - 281.25 W	16.2 +- 0.4	2
281.26 - 303.75 WNW	15.6 +- 2.0	4
303.76 - 326.25 NW	16.9 +- 0.0	1
326.26 - 348.75 NNW	16.2 +- 3.0	3

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	16.0 +- 1.2	11
2 - 5	16.2 +- 1.7	17
> 5	17.2 +- 2.5	11
Upwind Control	15.8 +- 1.5	3

NRC TLD DOSES FOR THREE MILE ISLAND AREA



TROJAN
TLD Direct Radiation Environmental Monitoring
For the period 970908-980209 155 Days
Field Time: 86 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	340	0.6	22.4 +- 0.7; 3.4	14.6 +- 0.9; 4.9	12.6 +- 1.1
2	334	1.5	22.7 +- 0.7; 3.4	14.8 +- 0.9; 4.9	14.5 +- 1.1
3	340	1.7	20.5 +- 0.6; 3.1	12.6 +- 0.8; 4.7	11.9 +- 1.0
4	328	3.9	19.0 +- 0.6; 2.9	11.0 +- 0.8; 4.5	12.3 +- 1.2
5	308	4.6	22.1 +- 0.7; 3.3	14.2 +- 0.8; 4.9	14.4 +- 1.1
6	312	4.5	22.2 +- 0.7; 3.3	14.4 +- 0.9; 4.9	15.0 +- 1.1
7	267	4.6	23.4 +- 0.7; 3.5	15.7 +- 0.9; 5.0	14.8 +- 0.8
8	274	3.8	24.3 +- 0.7; 3.6	16.5 +- 0.9; 5.1	15.3 +- 0.9
9	279	1.7	23.0 +- 0.7; 3.5	15.2 +- 0.9; 5.0	14.9 +- 0.9
10	263	2.0	23.0 +- 0.7; 3.5	15.2 +- 0.9; 5.0	15.4 +- 0.8
11	245	1.6	Missing Dosimeter	No Net Data	15.9 +- 0.9
12	223	1.2	24.3 +- 0.7; 3.6	16.6 +- 0.9; 5.1	16.4 +- 1.2
13	196	1.1	24.1 +- 0.7; 3.6	16.4 +- 0.9; 5.1	15.5 +- 0.8
14	180	1.2	20.6 +- 0.6; 3.1	12.7 +- 0.8; 4.7	14.1 +- 1.0
15	165	1.7	19.6 +- 0.6; 2.9	11.7 +- 0.8; 4.6	13.1 +- 1.0
16	212	3.9	23.5 +- 0.7; 3.5	15.8 +- 0.9; 5.0	16.2 +- 1.8
17	230	3.5	22.5 +- 0.7; 3.4	14.7 +- 0.9; 4.9	15.6 +- 1.1
18	162	9.3	23.9 +- 0.7; 3.6	16.1 +- 0.9; 5.1	15.7 +- 0.9
19	172	5.0	21.6 +- 0.6; 3.2	13.7 +- 0.8; 4.8	15.6 +- 1.0
20	334	5.8	21.9 +- 0.7; 3.3	14.0 +- 0.8; 4.8	12.9 +- 0.9
21	345	5.5	21.2 +- 0.6; 3.2	13.3 +- 0.8; 4.8	13.2 +- 0.7
22	356	5.5	21.9 +- 0.7; 3.3	14.0 +- 0.8; 4.8	12.2 +- 0.7
23	8	3.9	20.3 +- 0.6; 3.1	12.4 +- 0.8; 4.7	11.8 +- 0.7
24	15	3.7	22.0 +- 0.7; 3.3	14.2 +- 0.8; 4.9	13.2 +- 0.8
25	27	1.9	20.9 +- 0.6; 3.1	13.0 +- 0.8; 4.7	12.0 +- 0.9
26	37	2.1	23.3 +- 0.7; 3.5	15.5 +- 0.9; 5.0	14.7 +- 0.9
27	60	2.9	23.5 +- 0.7; 3.5	15.7 +- 0.9; 5.0	14.9 +- 0.8
28	55	4.5	21.7 +- 0.7; 3.3	13.9 +- 0.8; 4.8	13.7 +- 0.8
29	69	1.6	19.3 +- 0.6; 2.9	11.3 +- 0.8; 4.6	12.3 +- 1.2
30	83	3.9	21.0 +- 0.6; 3.2	13.1 +- 0.8; 4.7	12.6 +- 0.7
31	93	2.7	23.7 +- 0.7; 3.6	16.0 +- 0.9; 5.1	15.4 +- 0.9
32	119	2.2	23.5 +- 0.7; 3.5	15.7 +- 0.9; 5.0	15.4 +- 0.9
33	106	5.3	21.9 +- 0.7; 3.3	14.1 +- 0.8; 4.8	15.0 +- 2.6
34	134	2.5	20.6 +- 0.6; 3.1	12.7 +- 0.8; 4.7	12.5 +- 0.9
35	145	4.7	21.5 +- 0.6; 3.2	13.6 +- 0.8; 4.8	13.0 +- 0.7
36	270	17.0	23.1 +- 0.7; 3.5	15.3 +- 0.9; 5.0	15.0 +- 1.5
37	270	17.0	22.8 +- 0.7; 3.4	15.0 +- 0.9; 4.9	16.2 +- 1.9
38	270	17.0	25.0 +- 0.8; 3.8	17.3 +- 0.9; 5.2	16.1 +- 1.0

Transit Dose = 8.5 +- 0.5; 3.3

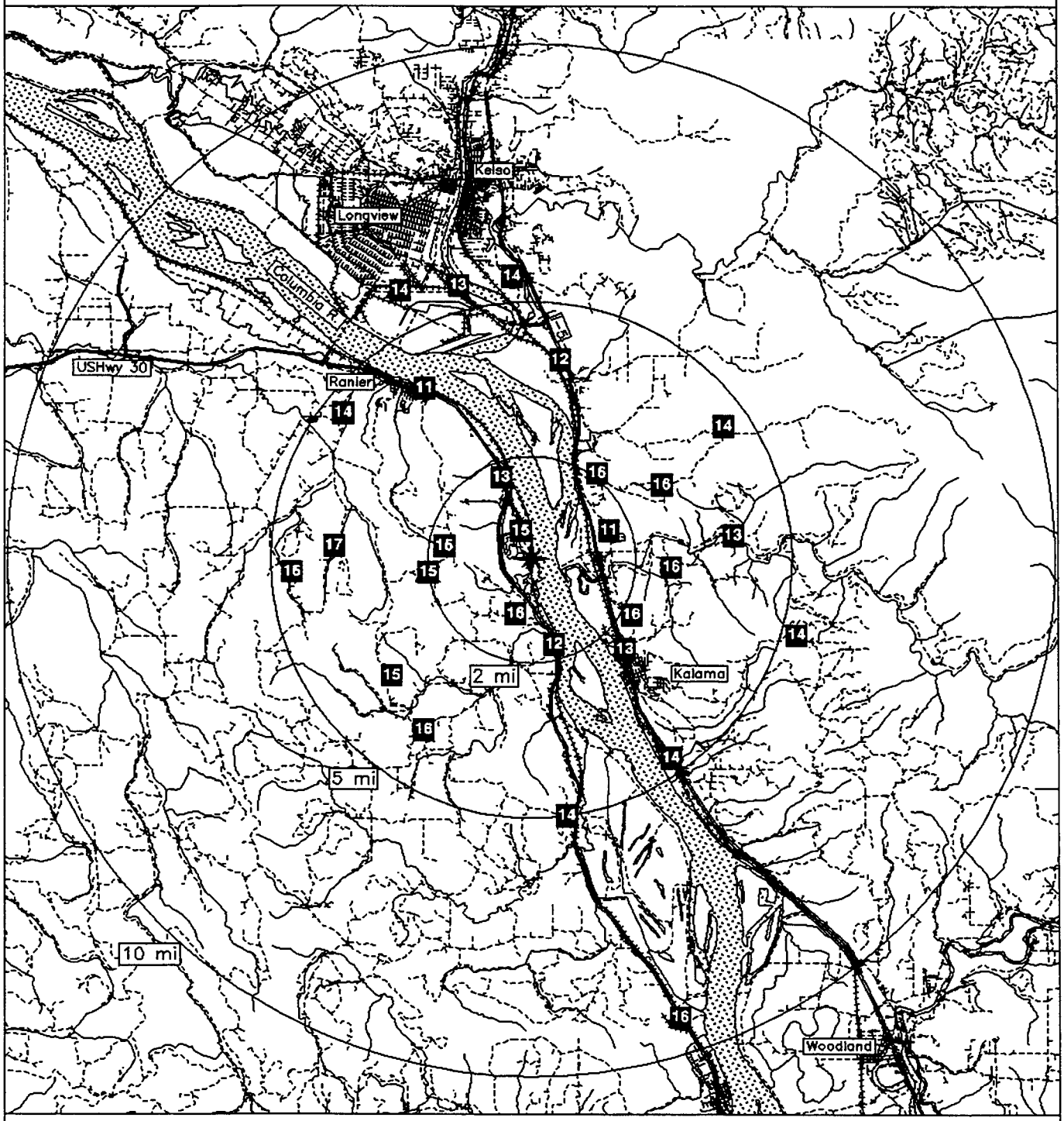
TROJAN
For the period 970908-980209

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	13.2 +- 1.1	2
11.26 - 33.75 NNE	13.6 +- 0.8	2
33.76 - 56.25 NE	14.7 +- 1.2	2
56.26 - 78.75 ENE	13.5 +- 3.1	2
78.76 - 101.25 E	14.5 +- 2.0	2
101.26 - 123.75 ESE	14.9 +- 1.2	2
123.76 - 146.25 SE	13.2 +- 0.6	2
146.26 - 168.75 SSE	13.9 +- 3.2	2
168.76 - 191.25 S	13.2 +- 0.7	2
191.26 - 213.75 SSW	16.1 +- 0.5	2
213.76 - 236.25 SW	15.6 +- 1.4	2
236.26 - 258.75 WSW	No Data +- No Data	0
258.76 - 281.25 W	15.7 +- 0.6	4
281.26 - 303.75 WNW	No Data +- No Data	0
303.76 - 326.25 NW	14.3 +- 0.1	2
326.26 - 348.75 NNW	13.4 +- 1.4	6

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	14.0 +- 1.8	11
2 - 5	14.4 +- 1.5	18
> 5	14.3 +- 1.1	5
Upwind Control	15.9 +- 1.2	3

NRC TLD DOSES FOR TROJAN AREA



Miles

0 2 4

Legend

Water
Railroads
Plant..site
Highways
Roads

TURKEY POINT
TLD Direct Radiation Environmental Monitoring
For the period 970910-980310 182 Days
Field Time: 96 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	310	1.3	19.6 +- 0.6; 2.9	11.7 +- 0.7; 4.2	11.6 +- 1.9
2	292	2.4	17.5 +- 0.5; 2.6	9.8 +- 0.6; 4.0	11.4 +- 2.1
3	340	1.9	20.3 +- 0.6; 3.0	12.4 +- 0.7; 4.3	11.9 +- 1.8
4	354	2.0	19.0 +- 0.6; 2.8	11.1 +- 0.7; 4.2	12.6 +- 2.2
5	314	3.8	18.3 +- 0.5; 2.7	10.5 +- 0.7; 4.1	11.5 +- 1.9
6	331	4.2	17.4 +- 0.5; 2.6	9.7 +- 0.6; 4.0	10.9 +- 1.9
7	291	5.4	19.2 +- 0.6; 2.9	11.4 +- 0.7; 4.2	12.2 +- 2.4
8	263	5.1	17.3 +- 0.5; 2.6	9.6 +- 0.6; 4.0	10.8 +- 2.0
9	242	5.7	19.2 +- 0.6; 2.9	11.3 +- 0.7; 4.2	11.7 +- 2.3
10	234	6.2	19.0 +- 0.6; 2.8	11.2 +- 0.7; 4.2	12.2 +- 1.4
11	220	6.2	19.2 +- 0.6; 2.9	11.4 +- 0.7; 4.2	11.5 +- 2.1
12	213	6.9	18.7 +- 0.6; 2.8	10.9 +- 0.7; 4.1	11.2 +- 2.0
13	199	10.0	18.5 +- 0.6; 2.8	10.7 +- 0.7; 4.1	11.8 +- 1.9
14	90	10.0	17.6 +- 0.5; 2.6	9.9 +- 0.7; 4.0	11.3 +- 2.4
15	180	10.0	21.0 +- 0.6; 3.1	13.0 +- 0.7; 4.3	13.2 +- 1.9
16	171	10.0	19.8 +- 0.6; 3.0	11.9 +- 0.7; 4.2	13.4 +- 1.9
17	165	9.0	20.1 +- 0.6; 3.0	12.2 +- 0.7; 4.3	12.9 +- 2.0
18	203	16.0	18.8 +- 0.6; 2.8	11.0 +- 0.7; 4.1	12.3 +- 1.7
19	203	16.0	18.6 +- 0.6; 2.8	10.8 +- 0.7; 4.1	12.1 +- 2.0
20	203	16.0	19.7 +- 0.6; 2.9	11.8 +- 0.7; 4.2	13.6 +- 1.8
21	268	8.7	16.7 +- 0.5; 2.5	9.0 +- 0.6; 4.0	10.5 +- 2.0
22	256	8.0	17.6 +- 0.5; 2.6	9.9 +- 0.7; 4.0	11.8 +- 1.9
23	275	9.0	17.8 +- 0.5; 2.7	10.0 +- 0.7; 4.0	11.2 +- 2.2
24	285	9.0	19.7 +- 0.6; 3.0	11.9 +- 0.7; 4.2	13.5 +- 2.1
25	293	8.7	20.5 +- 0.6; 3.1	12.5 +- 0.7; 4.3	14.0 +- 2.0
26	301	8.4	20.5 +- 0.6; 3.1	12.6 +- 0.7; 4.3	13.5 +- 1.9
27	311	8.3	19.0 +- 0.6; 2.9	11.2 +- 0.7; 4.2	12.0 +- 1.7
28	327	8.2	20.2 +- 0.6; 3.0	12.3 +- 0.7; 4.3	13.5 +- 1.8
29	339	9.3	19.2 +- 0.6; 2.9	11.4 +- 0.7; 4.2	12.9 +- 1.8
30	350	8.7	19.8 +- 0.6; 3.0	12.0 +- 0.7; 4.2	12.5 +- 2.3
31	359	9.9	18.2 +- 0.5; 2.7	10.5 +- 0.7; 4.1	12.5 +- 1.7
32	2	18.0	19.6 +- 0.6; 2.9	11.7 +- 0.7; 4.2	12.6 +- 1.4
33	2	22.0	19.5 +- 0.6; 2.9	11.6 +- 0.7; 4.2	12.8 +- 1.8
34	18	24.0	19.4 +- 0.6; 2.9	11.6 +- 0.7; 4.2	12.7 +- 2.0
35	28	22.0	19.1 +- 0.6; 2.9	11.2 +- 0.7; 4.2	12.2 +- 2.6
36	15	0.3	17.4 +- 0.5; 2.6	9.7 +- 0.6; 4.0	11.2 +- 1.8
37	228	0.5	20.4 +- 0.6; 3.1	12.5 +- 0.7; 4.3	12.9 +- 1.8

Transit Dose = 7.1 +- 0.5; 3.4

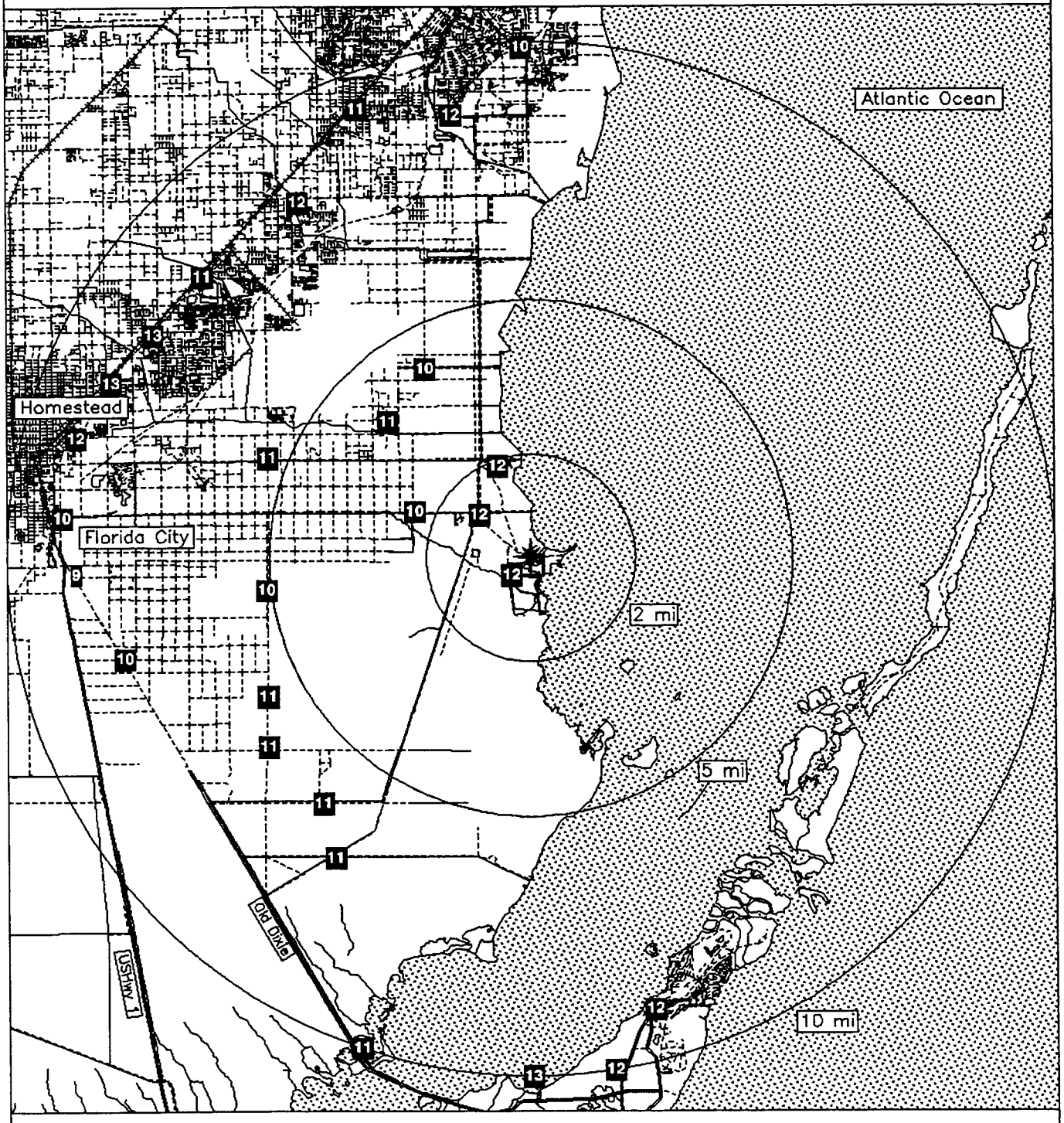
TURKEY POINT
For the period 970910-980310

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	11.4 +- 0.6	5
11.26 - 33.75 NNE	10.8 +- 1.0	3
33.76 - 56.25 NE	No Data +- No Data	0
56.26 - 78.75 ENE	No Data +- No Data	0
78.76 - 101.25 E	9.9 +- 0.0	1
101.26 - 123.75 ESE	No Data +- No Data	0
123.76 - 146.25 SE	No Data +- No Data	0
146.26 - 168.75 SSE	12.2 +- 0.0	1
168.76 - 191.25 S	12.5 +- 0.8	2
191.26 - 213.75 SSW	10.8 +- 0.1	2
213.76 - 236.25 SW	11.7 +- 0.7	3
236.26 - 258.75 WSW	10.6 +- 1.0	2
258.76 - 281.25 W	9.5 +- 0.5	3
281.26 - 303.75 WNW	11.6 +- 1.2	5
303.76 - 326.25 NW	11.1 +- 0.6	3
326.26 - 348.75 NNW	11.5 +- 1.3	4

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	11.5 +- 1.2	5
2 - 5	10.0 +- 0.5	3
> 5	11.3 +- 1.0	26
Upwind Control	11.2 +- 0.5	3

NRC TLD DOSES FOR TURKEY POINT AREA



VERMONT YANKEE
TLD Direct Radiation Environmental Monitoring
For the period 970911-980210 153 Days
Field Time: 106 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)	Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	142 1.0	24.4 +- 0.7; 3.7	No Net Data	15.7 +- 1.4
2	158 1.0	24.0 +- 0.7; 3.6	No Net Data	16.7 +- 1.0
3	184 1.3	23.4 +- 0.7; 3.5	No Net Data	15.9 +- 1.0
4	201 1.4	23.9 +- 0.7; 3.6	No Net Data	16.5 +- 1.5
5	220 1.6	24.5 +- 0.7; 3.7	No Net Data	16.7 +- 1.6
6	157 3.4	26.9 +- 0.8; 4.0	No Net Data	16.8 +- 2.3
7	189 4.9	24.0 +- 0.7; 3.6	No Net Data	16.3 +- 1.3
8	201 13.0	25.0 +- 0.7; 3.7	No Net Data	15.9 +- 1.0
9	208 5.8	23.6 +- 0.7; 3.5	No Net Data	16.0 +- 1.3
10	232 3.7	25.9 +- 0.8; 3.9	No Net Data	18.5 +- 1.6
11	277 2.9	25.0 +- 0.8; 3.8	No Net Data	17.2 +- 1.7
12	292 1.4	25.0 +- 0.7; 3.7	No Net Data	16.9 +- 1.7
13	314 1.4	23.5 +- 0.7; 3.5	No Net Data	16.3 +- 1.5
14	310 4.2	23.5 +- 0.7; 3.5	No Net Data	16.1 +- 0.9
15	299 4.3	24.4 +- 0.7; 3.7	No Net Data	16.1 +- 1.1
16	270 4.5	20.3 +- 0.6; 3.0	No Net Data	14.3 +- 1.2
17	331 5.0	24.9 +- 0.7; 3.7	No Net Data	16.9 +- 1.0
18	290 19.0	23.8 +- 0.7; 3.6	No Net Data	18.5 +- 1.7
19	290 19.0	21.9 +- 0.7; 3.3	No Net Data	17.5 +- 1.7
20	290 19.0	23.2 +- 0.7; 3.5	No Net Data	17.8 +- 1.8
21	359 3.2	25.3 +- 0.8; 3.8	No Net Data	16.7 +- 1.4
23	334 2.2	23.3 +- 0.7; 3.5	No Net Data	16.0 +- 1.5
24	4 0.9	25.3 +- 0.8; 3.8	No Net Data	16.9 +- 1.2
25	30 1.0	24.4 +- 0.7; 3.7	No Net Data	15.5 +- 1.3
26	72 1.5	25.3 +- 0.8; 3.8	No Net Data	17.3 +- 1.0
27	44 0.7	25.0 +- 0.7; 3.7	No Net Data	16.3 +- 1.3
28	39 2.8	26.6 +- 0.8; 4.0	No Net Data	17.7 +- 1.8
29	25 3.8	27.4 +- 0.8; 4.1	No Net Data	19.2 +- 1.7
30	72 2.7	26.8 +- 0.8; 4.0	No Net Data	18.5 +- 1.8
31	85 2.0	24.2 +- 0.7; 3.6	No Net Data	16.7 +- 1.3
32	111 1.8	24.4 +- 0.7; 3.7	No Net Data	16.6 +- 1.2
33	134 4.0	24.9 +- 0.7; 3.7	No Net Data	16.3 +- 1.1
34	151 6.0	23.4 +- 0.7; 3.5	No Net Data	14.7 +- 1.2
35	111 4.3	26.2 +- 0.8; 3.9	No Net Data	18.4 +- 1.3
36	92 4.7	27.2 +- 0.8; 4.1	No Net Data	19.0 +- 1.5
37	50 15.0	30.0 +- 0.9; 4.5	No Net Data	21.0 +- 1.4
39	222 0.3	25.9 +- 0.8; 3.9	No Net Data	17.9 +- 1.3
40	250 3.0	25.4 +- 0.8; 3.8	No Net Data	16.9 +- 1.4

No Transit Dose Calculated. (Transit Control Is Missing.)

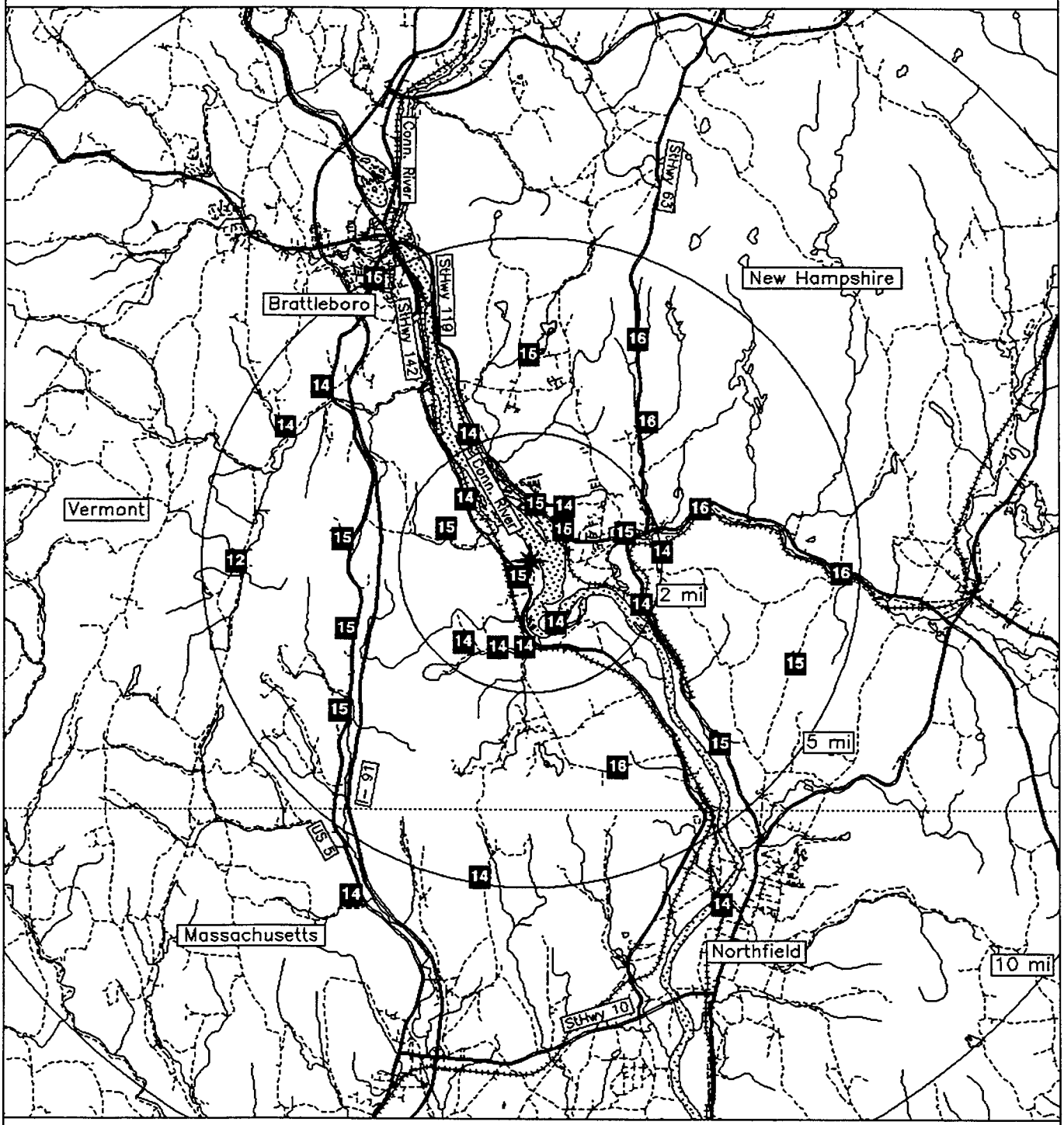
VERMONT YANKEE
For the period 970911-980210

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	14.9 +- 0.0	2
11.26 - 33.75 NNE	15.2 +- 1.2	2
33.76 - 56.25 NE	16.0 +- 1.5	3
56.26 - 78.75 ENE	15.3 +- 0.6	2
78.76 - 101.25 E	15.1 +- 1.2	2
101.26 - 123.75 ESE	14.9 +- 0.8	2
123.76 - 146.25 SE	14.5 +- 0.2	2
146.26 - 168.75 SSE	14.6 +- 1.1	3
168.76 - 191.25 S	13.9 +- 0.3	2
191.26 - 213.75 SSW	14.2 +- 0.4	3
213.76 - 236.25 SW	15.0 +- 0.5	3
236.26 - 258.75 WSW	15.0 +- 0.0	1
258.76 - 281.25 W	13.3 +- 2.0	2
281.26 - 303.75 WNW	14.5 +- 0.2	2
303.76 - 326.25 NW	13.8 +- 0.0	2
326.26 - 348.75 NNW	14.2 +- 0.6	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	14.4 +- 0.4	14
2 - 5	14.8 +- 1.0	17
> 5	15.0 +- 1.8	4
Upwind Control	13.5 +- 0.6	3

NRC TLD DOSES FOR VERMONT YANKEE AREA



Miles

0 2 4

Legend

Water
Railroads
Plant..site
Highways
Roads

VOGTLE (GA)
TLD Direct Radiation Environmental Monitoring
For the period 970910-980209 153 Days
Field Time: 92 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	298	1.6	21.3 +- 0.6; 3.2	13.8 +- 0.8; 4.5	14.3 +- 1.7
2	309	1.6	20.4 +- 0.6; 3.1	12.9 +- 0.7; 4.4	14.3 +- 1.9
3	336	1.4	20.1 +- 0.6; 3.0	12.7 +- 0.7; 4.4	14.2 +- 2.4
4	270	1.3	20.1 +- 0.6; 3.0	12.6 +- 0.7; 4.4	14.1 +- 2.1
5	247	1.2	20.3 +- 0.6; 3.0	12.8 +- 0.7; 4.4	14.9 +- 2.0
6	215	1.2	23.9 +- 0.7; 3.6	16.4 +- 0.8; 4.8	18.1 +- 1.9
7	205	1.2	26.1 +- 0.8; 3.9	18.5 +- 0.9; 5.0	17.4 +- 1.9
8	180	1.1	Missing Dosimeter	No Net Data	17.2 +- 1.8
9	153	1.2	23.4 +- 0.7; 3.5	15.8 +- 0.8; 4.7	15.9 +- 2.1
10	134	3.2	23.3 +- 0.7; 3.5	15.8 +- 0.8; 4.7	17.1 +- 1.8
11	103	1.1	18.3 +- 0.6; 2.8	10.9 +- 0.7; 4.2	12.6 +- 2.5
12	134	3.3	21.5 +- 0.6; 3.2	14.0 +- 0.8; 4.5	14.8 +- 1.8
13	123	4.2	21.6 +- 0.6; 3.2	14.1 +- 0.8; 4.5	15.2 +- 1.8
14	141	4.6	18.6 +- 0.6; 2.8	11.2 +- 0.7; 4.2	14.4 +- 3.4
15	153	5.3	19.8 +- 0.6; 3.0	12.3 +- 0.7; 4.3	13.4 +- 1.9
16	162	6.3	21.1 +- 0.6; 3.2	13.6 +- 0.8; 4.5	15.3 +- 2.0
17	157	7.3	20.7 +- 0.6; 3.1	13.2 +- 0.7; 4.4	16.9 +- 2.8
18	191	4.8	19.1 +- 0.6; 2.9	11.7 +- 0.7; 4.3	13.7 +- 1.8
19	208	4.7	19.7 +- 0.6; 3.0	12.2 +- 0.7; 4.3	13.2 +- 2.1
20	232	4.9	20.6 +- 0.6; 3.1	13.1 +- 0.7; 4.4	13.6 +- 2.0
21	250	5.6	22.1 +- 0.7; 3.3	14.6 +- 0.8; 4.6	14.8 +- 2.0
22	264	4.3	Missing Dosimeter	No Net Data	14.3 +- 2.1
23	301	4.2	18.1 +- 0.5; 2.7	10.7 +- 0.7; 4.2	14.3 +- 2.1
24	308	4.6	18.9 +- 0.6; 2.8	11.5 +- 0.7; 4.3	14.3 +- 2.6
25	329	6.7	21.3 +- 0.6; 3.2	13.8 +- 0.8; 4.5	15.8 +- 2.7
26	258	15.0	23.0 +- 0.7; 3.4	15.4 +- 0.8; 4.7	17.4 +- 2.1
27	300	13.0	21.8 +- 0.7; 3.3	14.3 +- 0.8; 4.5	17.0 +- 1.7
28	330	30.0	21.9 +- 0.7; 3.3	14.4 +- 0.8; 4.6	14.2 +- 1.9

Transit Dose = 7.2 +- 0.4; 3.3

VOGTLE (GA)
For the period 970910-980209

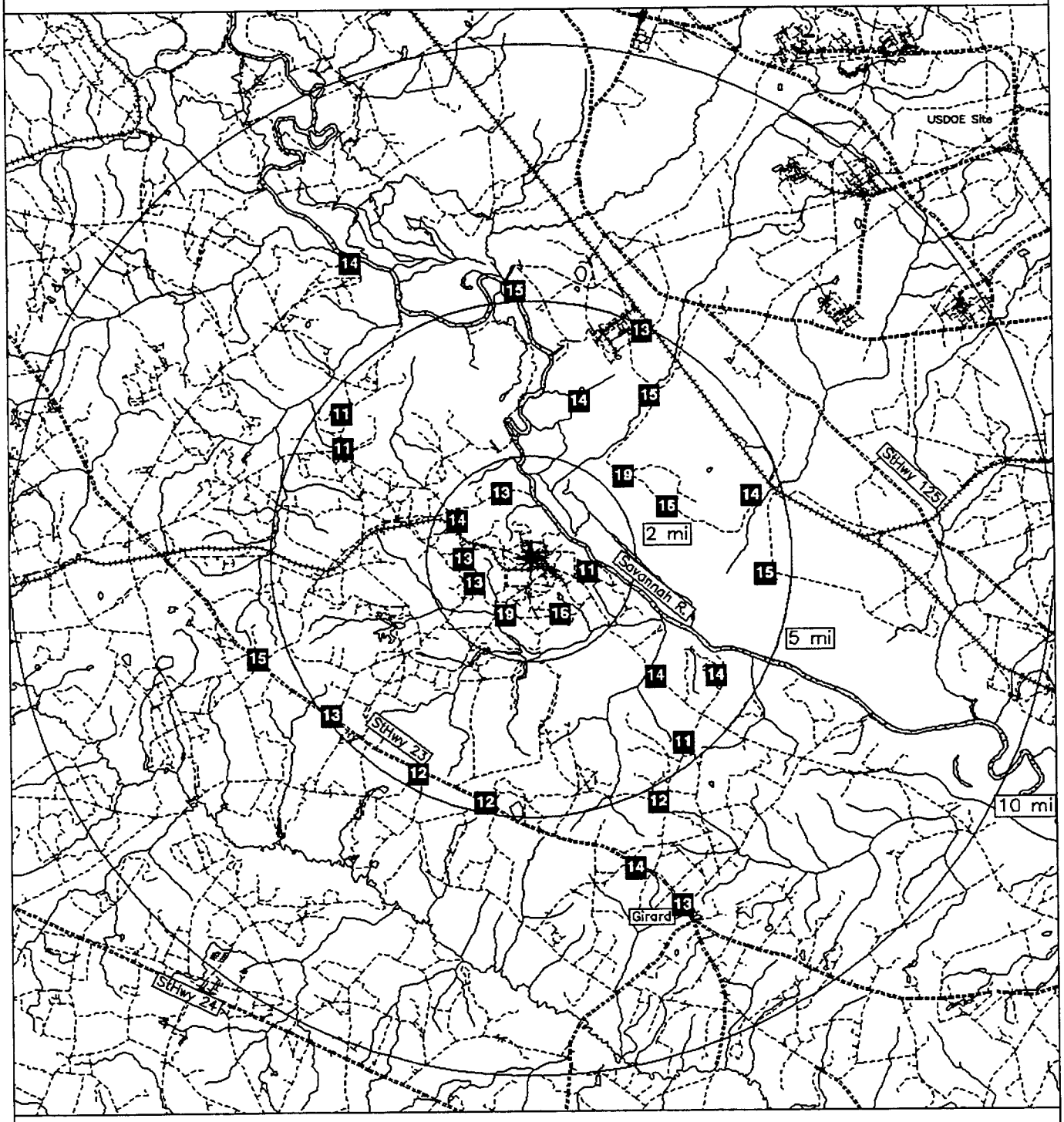
TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	No Data +- No Data	0
11.26 - 33.75 NNE	No Data +- No Data	0
33.76 - 56.25 NE	No Data +- No Data	0
56.26 - 78.75 ENE	No Data +- No Data	0
78.76 - 101.25 E	No Data +- No Data	0
101.26 - 123.75 ESE	12.5 +- 2.2	2
123.76 - 146.25 SE	13.6 +- 2.3	3
146.26 - 168.75 SSE	13.7 +- 1.5	4
168.76 - 191.25 S	11.7 +- 0.0	1
191.26 - 213.75 SSW	15.4 +- 4.4	2
213.76 - 236.25 SW	14.7 +- 2.3	2
236.26 - 258.75 WSW	13.7 +- 1.3	2
258.76 - 281.25 W	12.6 +- 0.0	1
281.26 - 303.75 WNW	12.3 +- 2.2	2
303.76 - 326.25 NW	12.2 +- 1.1	2
326.26 - 348.75 NNW	13.2 +- 0.8	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	14.1 +- 2.4	9
2 - 5	12.7 +- 1.7	9
> 5	13.5 +- 0.8	5
Upwind Control	14.7 +- 0.6	3

201

NRC TLD DOSES FOR VOGTLE AREA



Miles

0 2 4

Legend

Water — Railroads ----- Roads — Plant..site

VOGTLE (SC)
TLD Direct Radiation Environmental Monitoring
For the period 970910-980209 153 Days
Field Time: 92 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
31	357	5.2	20.3 +- 0.6; 3.0	14.7 +- 0.7; 4.3	17.9 +- 3.8
32	26	4.9	18.3 +- 0.5; 2.7	12.7 +- 0.7; 4.1	12.7 +- 2.5
33	17	3.2	19.6 +- 0.6; 2.9	14.1 +- 0.7; 4.2	13.0 +- 2.3
34	36	3.9	21.0 +- 0.6; 3.2	15.4 +- 0.7; 4.3	14.3 +- 2.3
35	48	2.4	24.4 +- 0.7; 3.7	18.7 +- 0.8; 4.7	19.0 +- 2.7
36	69	2.8	21.4 +- 0.6; 3.2	15.8 +- 0.7; 4.4	14.7 +- 2.5
37	74	4.4	19.4 +- 0.6; 2.9	13.8 +- 0.7; 4.2	14.3 +- 3.8
38	94	4.5	20.9 +- 0.6; 3.1	15.3 +- 0.7; 4.3	14.1 +- 2.5

Transit Dose = 5.3 +- 0.4; 3.1

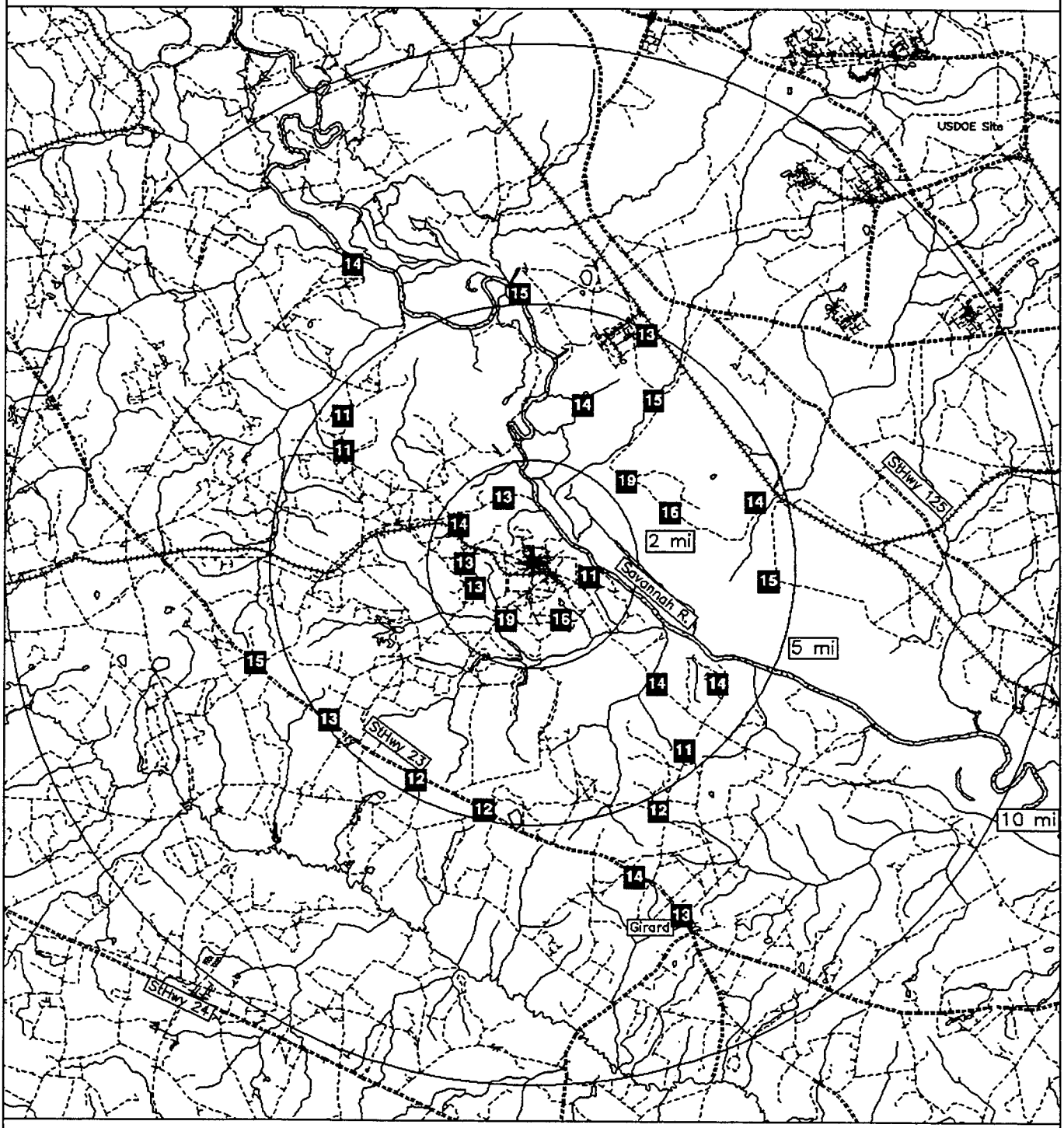
VOGTLE (SC)
For the period 970910-980209

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	14.7 +- 0.0	1
11.26 - 33.75 NNE	13.4 +- 0.9	2
33.76 - 56.25 NE	17.1 +- 2.4	2
56.26 - 78.75 ENE	14.8 +- 1.4	2
78.76 - 101.25 E	15.3 +- 0.0	1
101.26 - 123.75 ESE	No Data +- No Data	0
123.76 - 146.25 SE	No Data +- No Data	0
146.26 - 168.75 SSE	No Data +- No Data	0
168.76 - 191.25 S	No Data +- No Data	0
191.26 - 213.75 SSW	No Data +- No Data	0
213.76 - 236.25 SW	No Data +- No Data	0
236.26 - 258.75 WSW	No Data +- No Data	0
258.76 - 281.25 W	No Data +- No Data	0
281.26 - 303.75 WNW	No Data +- No Data	0
303.76 - 326.25 NW	No Data +- No Data	0
326.26 - 348.75 NNW	No Data +- No Data	0

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	No Data +- No Data	0
2 - 5	15.1 +- 1.9	7
> 5	14.7 +- 0.0	1
Upwind Control	No Data +- No Data	0

NRC TLD DOSES FOR VOGTLE AREA



Miles

0 2 4

Legend

Water Railroads Roads Plant..site

WASHINGTON NUCLEAR 2
TLD Direct Radiation Environmental Monitoring
For the period 970908-980113 128 Days
Field Time: 85 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	174	12.0	22.1 +- 0.7; 3.3	18.2 +- 0.8; 4.6	18.0 +- 0.9
2	163	11.0	21.6 +- 0.6; 3.2	17.6 +- 0.8; 4.6	17.8 +- 0.9
3	161	9.0	21.1 +- 0.6; 3.2	17.1 +- 0.8; 4.5	17.4 +- 0.8
4	152	5.0	23.8 +- 0.7; 3.6	20.0 +- 0.8; 4.9	19.0 +- 0.9
5	195	2.0	22.8 +- 0.7; 3.4	18.9 +- 0.8; 4.7	18.0 +- 0.7
6	220	1.5	21.2 +- 0.6; 3.2	17.3 +- 0.8; 4.5	18.4 +- 1.1
7	92	3.0	23.9 +- 0.7; 3.6	20.1 +- 0.8; 4.9	19.4 +- 1.1
8	155	1.0	21.4 +- 0.6; 3.2	17.5 +- 0.8; 4.6	17.5 +- 1.0
9	130	0.5	23.8 +- 0.7; 3.6	20.0 +- 0.8; 4.9	18.5 +- 1.0
10	70	0.5	22.6 +- 0.7; 3.4	18.8 +- 0.8; 4.7	18.8 +- 1.0
11	25	0.8	22.9 +- 0.7; 3.4	19.0 +- 0.8; 4.7	18.7 +- 0.9
12	315	0.5	24.3 +- 0.7; 3.6	20.5 +- 0.9; 4.9	18.9 +- 1.0
13	290	0.5	31.3 +- 0.9; 4.7	27.9 +- 1.1; 5.8	23.4 +- 2.5
14	270	0.5	23.0 +- 0.7; 3.5	19.2 +- 0.8; 4.8	18.8 +- 1.0
15	245	1.8	22.3 +- 0.7; 3.3	18.4 +- 0.8; 4.7	18.7 +- 0.8
16	285	3.0	22.4 +- 0.7; 3.4	18.5 +- 0.8; 4.7	19.2 +- 0.8
17	240	4.0	Missing Dosimeter	No Net Data	17.5 +- 0.9
18	198	7.0	21.2 +- 0.6; 3.2	17.3 +- 0.8; 4.5	17.4 +- 1.0
19	173	8.5	23.5 +- 0.7; 3.5	19.7 +- 0.8; 4.8	18.5 +- 0.9
20	150	20.0	22.1 +- 0.7; 3.3	18.2 +- 0.8; 4.6	18.5 +- 0.8
21	114	7.0	22.5 +- 0.7; 3.4	18.6 +- 0.8; 4.7	18.6 +- 1.1
22	120	8.0	22.2 +- 0.7; 3.3	18.3 +- 0.8; 4.7	18.1 +- 0.9
23	134	6.0	24.3 +- 0.7; 3.6	20.5 +- 0.9; 4.9	20.5 +- 1.1
24	110	4.0	26.5 +- 0.8; 4.0	22.8 +- 0.9; 5.2	22.3 +- 1.2
25	85	5.0	23.1 +- 0.7; 3.5	19.3 +- 0.8; 4.8	19.2 +- 0.8
26	65	5.0	24.7 +- 0.7; 3.7	20.9 +- 0.9; 5.0	20.8 +- 1.0
27	53	4.0	23.5 +- 0.7; 3.5	19.6 +- 0.8; 4.8	18.5 +- 1.2
28	44	8.0	23.4 +- 0.7; 3.5	19.5 +- 0.8; 4.8	20.2 +- 1.0
29	33	10.0	22.3 +- 0.7; 3.3	18.4 +- 0.8; 4.7	19.2 +- 1.5
30	8	9.5	24.0 +- 0.7; 3.6	20.2 +- 0.9; 4.9	20.1 +- 0.9
31	215	15.0	22.0 +- 0.7; 3.3	18.1 +- 0.8; 4.6	17.6 +- 0.7

Transit Dose = 4.9 +- 0.4; 2.9

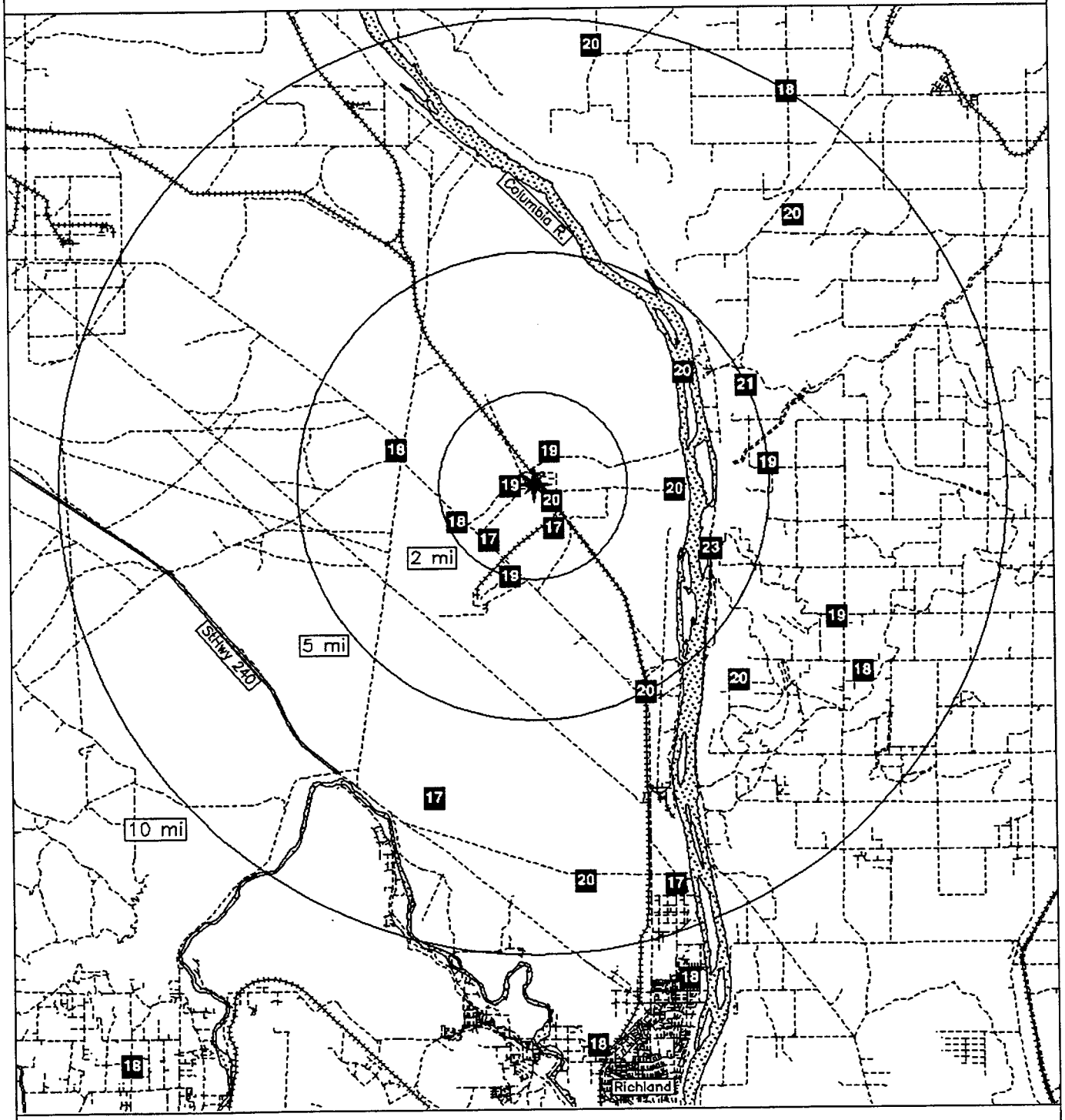
WASHINGTON NUCLEAR 2
For the period 970908-980113

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	20.2 +- 0.0	1
11.26 - 33.75 NNE	18.7 +- 0.4	2
33.76 - 56.25 NE	19.6 +- 0.1	2
56.26 - 78.75 ENE	19.8 +- 1.5	2
78.76 - 101.25 E	19.7 +- 0.6	2
101.26 - 123.75 ESE	19.9 +- 2.5	3
123.76 - 146.25 SE	20.2 +- 0.3	2
146.26 - 168.75 SSE	18.1 +- 1.1	5
168.76 - 191.25 S	19.7 +- 0.0	1
191.26 - 213.75 SSW	18.1 +- 1.2	2
213.76 - 236.25 SW	17.3 +- 0.0	1
236.26 - 258.75 WSW	18.4 +- 0.0	1
258.76 - 281.25 W	19.2 +- 0.0	1
281.26 - 303.75 WNW	23.2 +- 6.7	2
303.76 - 326.25 NW	20.5 +- 0.0	1
326.26 - 348.75 NNW	No Data +- No Data	0

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	19.7 +- 3.0	10
2 - 5	20.2 +- 1.4	7
> 5	18.7 +- 1.2	11
Upwind Control	18.1 +- 0.0	2

NRC TLD DOSES FOR WNP-2 AREA



WATERFORD
TLD Direct Radiation Environmental Monitoring
For the period 970908-980310 184 Days
Field Time: 130 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	101	0.4	24.0 +- 0.7; 3.6	14.1 +- 0.6; 3.8	15.8 +- 1.2
2	116	1.1	21.0 +- 0.6; 3.2	12.1 +- 0.5; 3.6	14.8 +- 1.9
3	132	1.3	29.9 +- 0.9; 4.5	18.2 +- 0.7; 4.2	18.0 +- 1.3
4	160	1.8	23.0 +- 0.7; 3.4	13.4 +- 0.6; 3.7	15.6 +- 1.3
5	183	1.4	27.1 +- 0.8; 4.1	16.2 +- 0.6; 4.0	15.8 +- 1.3
6	202	1.2	23.2 +- 0.7; 3.5	13.6 +- 0.6; 3.7	15.8 +- 1.5
7	226	1.2	26.0 +- 0.8; 3.9	15.5 +- 0.6; 3.9	15.4 +- 1.0
8	248	1.3	26.8 +- 0.8; 4.0	16.1 +- 0.6; 4.0	17.2 +- 1.1
9	265	1.9	23.8 +- 0.7; 3.6	14.0 +- 0.6; 3.7	14.2 +- 1.9
10	186	4.2	26.3 +- 0.8; 3.9	15.7 +- 0.6; 3.9	17.3 +- 0.9
11	315	4.4	Missing Dosimeter	No Net Data	16.0 +- 1.4
12	328	4.1	27.8 +- 0.8; 4.2	16.7 +- 0.6; 4.0	17.3 +- 1.0
13	309	0.8	26.1 +- 0.8; 3.9	15.6 +- 0.6; 3.9	15.3 +- 0.9
14	273	0.9	27.7 +- 0.8; 4.2	16.7 +- 0.6; 4.0	17.1 +- 2.1
15	292	0.8	21.1 +- 0.6; 3.2	12.1 +- 0.5; 3.6	13.3 +- 1.3
16	335	0.5	22.7 +- 0.7; 3.4	13.2 +- 0.6; 3.7	13.8 +- 0.9
17	120	4.3	23.8 +- 0.7; 3.6	14.0 +- 0.6; 3.7	14.2 +- 1.1
18	145	3.5	24.6 +- 0.7; 3.7	14.5 +- 0.6; 3.8	14.8 +- 1.4
19	153	8.1	24.0 +- 0.7; 3.6	14.1 +- 0.6; 3.8	16.1 +- 1.1
20	133	8.1	26.1 +- 0.8; 3.9	15.6 +- 0.6; 3.9	16.0 +- 1.1
21	116	6.7	25.2 +- 0.8; 3.8	15.0 +- 0.6; 3.8	15.5 +- 1.3
22	95	4.3	25.6 +- 0.8; 3.8	15.2 +- 0.6; 3.9	15.4 +- 1.0
23	86	2.6	27.7 +- 0.8; 4.2	16.7 +- 0.6; 4.0	15.6 +- 1.1
24	66	4.2	29.3 +- 0.9; 4.4	17.8 +- 0.7; 4.1	18.4 +- 1.2
25	37	3.5	27.6 +- 0.8; 4.1	16.6 +- 0.6; 4.0	16.9 +- 1.1
26	23	3.8	24.4 +- 0.7; 3.7	14.4 +- 0.6; 3.8	14.6 +- 1.0
27	350	4.9	25.3 +- 0.8; 3.8	15.0 +- 0.6; 3.8	15.6 +- 0.9
28	335	5.0	26.2 +- 0.8; 3.9	15.6 +- 0.6; 3.9	15.8 +- 1.1
29	6	2.8	22.8 +- 0.7; 3.4	13.3 +- 0.6; 3.7	14.2 +- 1.0
30	356	1.1	27.8 +- 0.8; 4.2	16.7 +- 0.6; 4.0	16.2 +- 1.9
31	15	0.8	26.2 +- 0.8; 3.9	15.6 +- 0.6; 3.9	15.8 +- 1.7
32	40	0.8	21.5 +- 0.6; 3.2	12.4 +- 0.5; 3.6	13.8 +- 1.4
33	69	1.1	23.6 +- 0.7; 3.5	13.9 +- 0.6; 3.7	15.4 +- 2.7
34	292	15.0	25.2 +- 0.8; 3.8	15.0 +- 0.6; 3.8	15.6 +- 1.6
35	282	27.0	26.7 +- 0.8; 4.0	16.0 +- 0.6; 4.0	17.8 +- 1.5
36	268	21.0	21.0 +- 0.6; 3.2	12.1 +- 0.5; 3.6	14.5 +- 1.6

Transit Dose = 3.6 +- 0.4; 4.1

WATERFORD
For the period 970908-980310

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	15.0 +- 1.7	3
11.26 - 33.75 NNE	15.0 +- 0.9	2
33.76 - 56.25 NE	14.5 +- 3.0	2
56.26 - 78.75 ENE	15.8 +- 2.8	2
78.76 - 101.25 E	15.3 +- 1.3	3
101.26 - 123.75 ESE	13.7 +- 1.5	3
123.76 - 146.25 SE	16.1 +- 1.9	3
146.26 - 168.75 SSE	13.8 +- 0.5	2
168.76 - 191.25 S	16.0 +- 0.4	2
191.26 - 213.75 SSW	13.6 +- 0.0	1
213.76 - 236.25 SW	15.5 +- 0.0	1
236.26 - 258.75 WSW	16.1 +- 0.0	1
258.76 - 281.25 W	15.3 +- 1.9	2
281.26 - 303.75 WNW	12.1 +- 0.0	1
303.76 - 326.25 NW	15.6 +- 0.0	1
326.26 - 348.75 NNW	15.2 +- 1.8	3

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	14.7 +- 1.8	17
2 - 5	15.5 +- 1.3	12
> 5	14.9 +- 0.7	3
Upwind Control	14.3 +- 2.1	3

210

NRC TLD DOSES FOR WATERFORD AREA

Radiation Environmental Monitoring
Period 970910-980126 139 Days
99 Days

ation /Dist (Mi)	Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
0.9	21.6 +- 0.6; 3.2	19.0 +- 0.6; 4.0	17.3 +- 2.1
2.1	22.3 +- 0.7; 3.3	19.6 +- 0.7; 4.0	17.4 +- 2.1
1.9	23.4 +- 0.7; 3.5	20.6 +- 0.7; 4.2	17.3 +- 2.2
2.0	22.0 +- 0.7; 3.3	19.3 +- 0.6; 4.0	16.9 +- 2.2
1.9	23.5 +- 0.7; 3.5	20.7 +- 0.7; 4.2	19.1 +- 2.2
1.8	24.3 +- 0.7; 3.7	21.5 +- 0.7; 4.3	20.3 +- 2.4
3.8	24.3 +- 0.7; 3.6	21.4 +- 0.7; 4.3	19.6 +- 2.3
3.6	21.0 +- 0.6; 3.2	18.5 +- 0.6; 3.9	18.0 +- 2.2
4.2	24.8 +- 0.7; 3.7	21.9 +- 0.7; 4.3	16.5 +- 3.1
3.1	22.1 +- 0.7; 3.3	19.4 +- 0.6; 4.0	16.9 +- 2.2
3.3	18.7 +- 0.6; 2.8	16.4 +- 0.6; 3.7	14.4 +- 1.9
4.7	18.9 +- 0.6; 2.8	16.5 +- 0.6; 3.7	14.6 +- 2.1
3.6	23.0 +- 0.7; 3.5	20.3 +- 0.7; 4.1	15.9 +- 2.8
7.0	18.7 +- 0.6; 2.8	16.3 +- 0.6; 3.7	15.4 +- 2.1
1.7	23.0 +- 0.7; 3.4	20.2 +- 0.7; 4.1	18.7 +- 2.3
1.1	25.6 +- 0.8; 3.8	22.6 +- 0.7; 4.4	20.5 +- 2.5
1.6	18.1 +- 0.5; 2.7	15.8 +- 0.5; 3.6	13.4 +- 2.3
2.3	22.2 +- 0.7; 3.3	19.5 +- 0.7; 4.0	16.2 +- 2.2
1.3	24.1 +- 0.7; 3.6	21.3 +- 0.7; 4.2	18.9 +- 2.0
1.2	22.8 +- 0.7; 3.4	20.1 +- 0.7; 4.1	19.4 +- 2.2
1.1	21.1 +- 0.6; 3.2	18.6 +- 0.6; 3.9	16.1 +- 2.2
1.0	22.9 +- 0.7; 3.4	20.2 +- 0.7; 4.1	19.0 +- 2.1
1.1	28.6 +- 0.9; 4.3	25.3 +- 0.8; 4.7	22.0 +- 2.4
1.1	25.1 +- 0.8; 3.8	22.2 +- 0.7; 4.3	18.4 +- 2.8
1.2	19.0 +- 0.6; 2.8	16.6 +- 0.6; 3.7	17.1 +- 2.6
5.9	23.3 +- 0.7; 3.5	20.6 +- 0.7; 4.2	18.7 +- 3.0
4.5	24.1 +- 0.7; 3.6	21.3 +- 0.7; 4.2	17.7 +- 2.4
3.5	21.4 +- 0.6; 3.2	18.8 +- 0.6; 4.0	16.6 +- 2.2
3.0	22.9 +- 0.7; 3.4	20.2 +- 0.7; 4.1	16.8 +- 2.3
3.1	21.1 +- 0.6; 3.2	18.6 +- 0.6; 3.9	16.1 +- 2.5
4.0	21.8 +- 0.7; 3.3	19.2 +- 0.6; 4.0	16.5 +- 2.3
4.1	18.9 +- 0.6; 2.8	16.6 +- 0.6; 3.7	14.2 +- 2.3
4.1	20.8 +- 0.6; 3.1	18.2 +- 0.6; 3.9	17.1 +- 2.1
4.7	17.8 +- 0.5; 2.7	15.5 +- 0.5; 3.6	13.8 +- 2.0
9.0	22.4 +- 0.7; 3.4	19.7 +- 0.7; 4.1	16.2 +- 2.4
9.0	20.8 +- 0.6; 3.1	18.3 +- 0.6; 3.9	17.1 +- 3.1
9.0	22.0 +- 0.7; 3.3	19.3 +- 0.6; 4.0	17.4 +- 2.3
=	0.7 +- 0.3; 2.9		

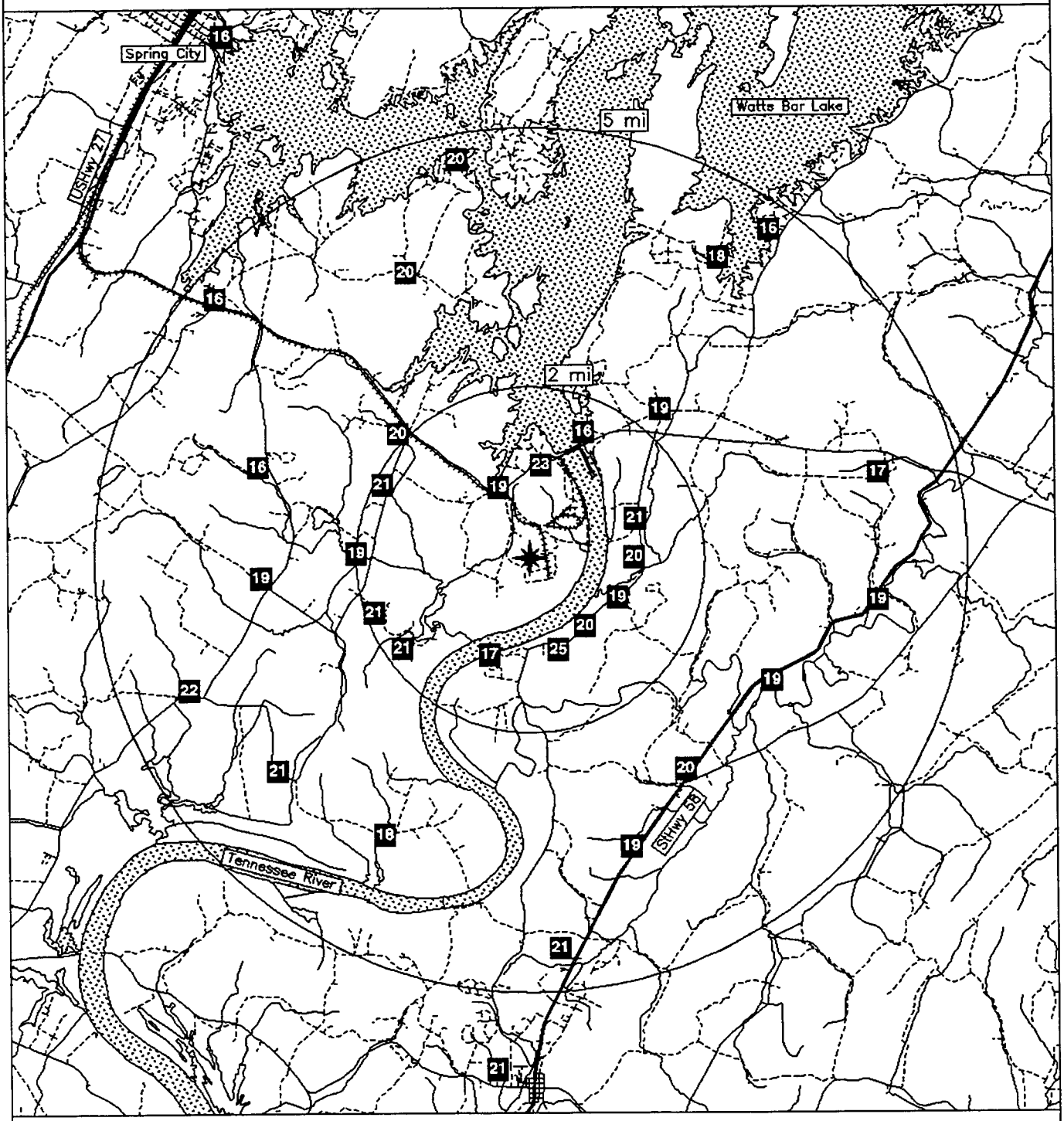
WATTS BAR
For the period 970910-980126

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	21.4 +- 1.7	2
11.26 - 33.75 NNE	17.0 +- 1.7	2
33.76 - 56.25 NE	17.5 +- 2.8	2
56.26 - 78.75 ENE	18.9 +- 3.3	2
78.76 - 101.25 E	19.6 +- 0.6	2
101.26 - 123.75 ESE	18.6 +- 0.0	2
123.76 - 146.25 SE	20.2 +- 0.0	2
146.26 - 168.75 SSE	22.1 +- 4.6	2
168.76 - 191.25 S	21.3 +- 0.8	3
191.26 - 213.75 SSW	17.5 +- 1.3	2
213.76 - 236.25 SW	21.5 +- 0.0	2
236.26 - 258.75 WSW	21.3 +- 0.8	2
258.76 - 281.25 W	19.4 +- 0.1	2
281.26 - 303.75 WNW	18.5 +- 3.0	2
303.76 - 326.25 NW	18.0 +- 2.2	2
326.26 - 348.75 NNW	18.5 +- 2.0	3

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	20.3 +- 2.4	14
2 - 5	19.0 +- 1.8	18
> 5	18.4 +- 3.0	2
Upwind Control	19.1 +- 0.7	3

NRC TLD DOSES FOR WATTS BAR AREA



Miles

0 2 4

Legend

Water
Highways
Railroads
Roads
Plant..site

WOLF CREEK
TLD Direct Radiation Environmental Monitoring
For the period 970908-980209 155 Days
Field Time: 99 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)	Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	316 2.9	29.3 +- 0.9; 4.4	20.0 +- 0.9; 5.1	19.3 +- 1.4
2	330 1.8	27.6 +- 0.8; 4.1	18.5 +- 0.9; 4.9	18.4 +- 1.1
3	360 2.8	28.0 +- 0.8; 4.2	18.9 +- 0.9; 5.0	18.5 +- 1.2
4	355 1.6	26.7 +- 0.8; 4.0	17.7 +- 0.8; 4.8	19.2 +- 1.2
5	31 1.8	28.1 +- 0.8; 4.2	18.9 +- 0.9; 5.0	19.4 +- 1.2
6	47 2.0	23.3 +- 0.7; 3.5	14.6 +- 0.8; 4.5	16.6 +- 1.4
7	70 1.6	25.7 +- 0.8; 3.8	16.8 +- 0.8; 4.7	17.6 +- 1.0
8	90 1.7	30.5 +- 0.9; 4.6	21.1 +- 0.9; 5.2	19.9 +- 1.3
9	111 2.4	29.0 +- 0.9; 4.3	19.7 +- 0.9; 5.1	19.2 +- 1.2
10	137 2.5	28.3 +- 0.8; 4.2	19.2 +- 0.9; 5.0	18.8 +- 1.0
11	157 3.4	29.0 +- 0.9; 4.3	19.8 +- 0.9; 5.1	20.3 +- 1.1
12	184 3.3	29.0 +- 0.9; 4.4	19.8 +- 0.9; 5.1	19.8 +- 1.1
13	213 2.9	22.1 +- 0.7; 3.3	13.5 +- 0.7; 4.4	18.5 +- 2.2
14	233 2.4	29.0 +- 0.9; 4.4	19.8 +- 0.9; 5.1	19.5 +- 1.4
15	248 2.2	27.8 +- 0.8; 4.2	18.7 +- 0.9; 4.9	18.9 +- 1.2
16	278 2.1	27.6 +- 0.8; 4.1	18.5 +- 0.9; 4.9	19.3 +- 1.1
17	270 3.4	23.3 +- 0.7; 3.5	14.6 +- 0.8; 4.5	15.6 +- 0.9
18	263 4.2	31.9 +- 1.0; 4.8	22.4 +- 1.0; 5.4	21.1 +- 1.5
19	257 5.0	27.2 +- 0.8; 4.1	18.2 +- 0.9; 4.9	19.3 +- 1.0
20	280 3.9	25.9 +- 0.8; 3.9	17.0 +- 0.8; 4.8	18.1 +- 1.3
21	298 3.9	28.1 +- 0.8; 4.2	18.9 +- 0.9; 5.0	19.4 +- 1.0
22	319 4.8	25.7 +- 0.8; 3.9	16.8 +- 0.8; 4.7	17.5 +- 1.2
23	332 5.0	27.7 +- 0.8; 4.2	18.6 +- 0.9; 4.9	19.0 +- 1.5
24	19 3.9	26.3 +- 0.8; 4.0	17.4 +- 0.8; 4.8	19.2 +- 1.0
25	35 4.4	Missing Dosimeter	No Net Data	16.6 +- 1.0
26	67 4.3	26.1 +- 0.8; 3.9	17.2 +- 0.8; 4.8	17.6 +- 1.2
27	88 4.1	29.0 +- 0.9; 4.3	19.8 +- 0.9; 5.1	18.9 +- 1.9
28	110 4.5	27.5 +- 0.8; 4.1	18.4 +- 0.9; 4.9	19.5 +- 0.9
29	128 4.4	28.0 +- 0.8; 4.2	18.9 +- 0.9; 5.0	19.5 +- 1.6
30	112 16.0	22.1 +- 0.7; 3.3	13.5 +- 0.7; 4.4	16.5 +- 1.5
31	127 9.4	24.5 +- 0.7; 3.7	15.7 +- 0.8; 4.6	16.6 +- 0.8
32	62 11.0	24.2 +- 0.7; 3.6	15.4 +- 0.8; 4.6	16.9 +- 1.4
33	153 5.2	25.2 +- 0.8; 3.8	16.3 +- 0.8; 4.7	18.2 +- 1.6
34	174 4.7	Missing Dosimeter	No Net Data	19.8 +- 1.5
35	197 5.2	30.7 +- 0.9; 4.6	21.3 +- 0.9; 5.3	20.5 +- 1.5
36	224 4.8	26.9 +- 0.8; 4.0	17.9 +- 0.8; 4.9	18.2 +- 0.8
37	220 13.8	24.2 +- 0.7; 3.6	15.5 +- 0.8; 4.6	15.5 +- 0.8
38	253 6.5	30.2 +- 0.9; 4.5	20.9 +- 0.9; 5.2	20.2 +- 1.3
39	278 10.0	26.2 +- 0.8; 3.9	17.2 +- 0.8; 4.8	18.6 +- 1.3
40	285 15.0	25.2 +- 0.8; 3.8	16.4 +- 0.8; 4.7	16.4 +- 0.9
41	292 6.7	25.2 +- 0.8; 3.8	16.4 +- 0.8; 4.7	17.8 +- 1.4
42	345 13.0	29.5 +- 0.9; 4.4	20.2 +- 0.9; 5.1	20.0 +- 1.3
43	5 7.5	25.9 +- 0.8; 3.9	16.9 +- 0.8; 4.7	19.0 +- 1.2
44	20 8.3	28.5 +- 0.9; 4.3	19.4 +- 0.9; 5.0	19.6 +- 1.0
45	315 7.5	29.5 +- 0.9; 4.4	20.3 +- 0.9; 5.1	20.6 +- 1.3
46	341 7.7	29.2 +- 0.9; 4.4	20.0 +- 0.9; 5.1	19.9 +- 1.1
47	355 1.0	27.1 +- 0.8; 4.1	18.1 +- 0.9; 4.9	18.1 +- 1.2

Transit Dose = 7.2 +- 0.5; 3.5

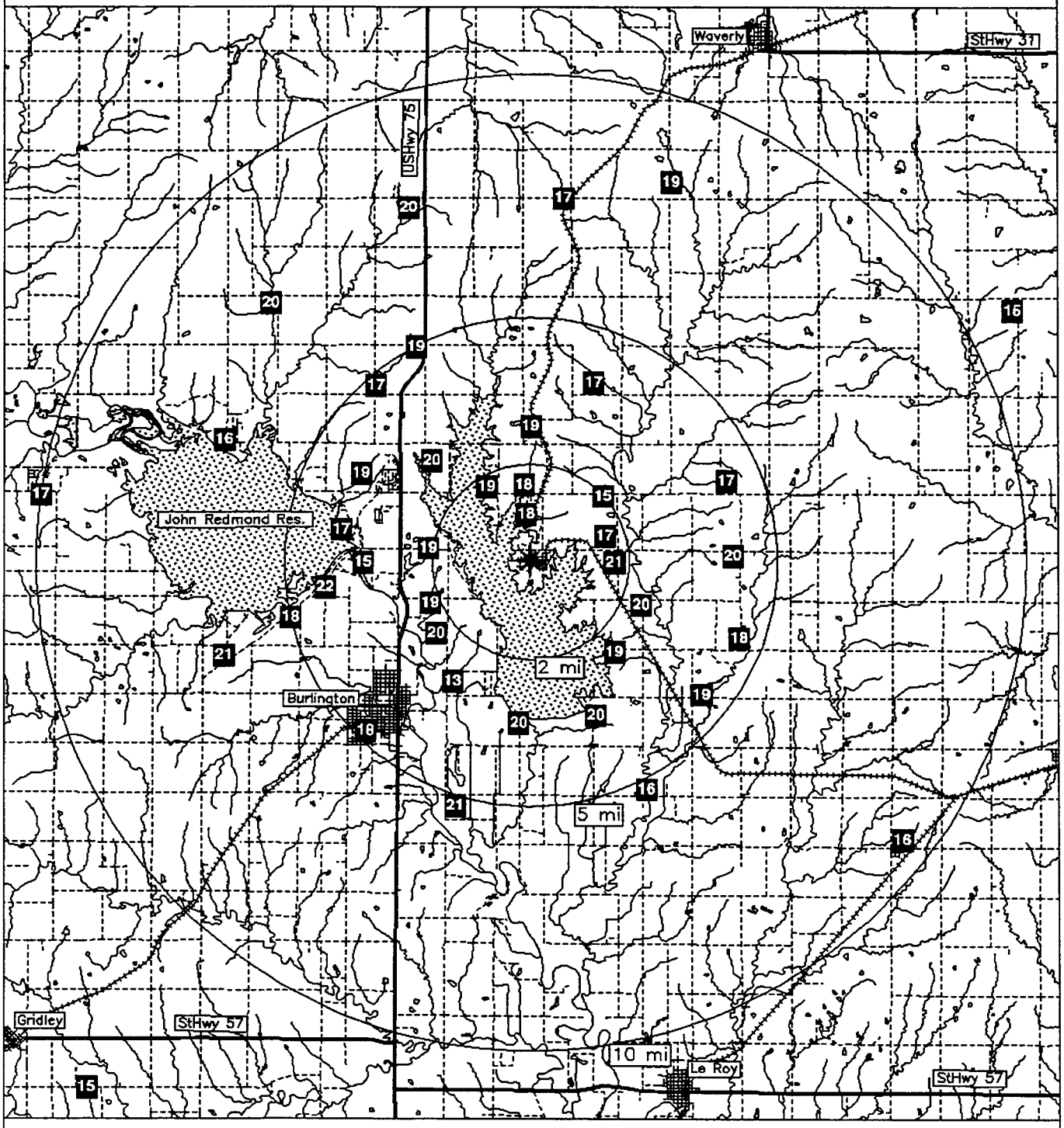
WOLF CREEK
For the period 970908-980209

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	17.9 +- 0.8	4
11.26 - 33.75 NNE	18.6 +- 1.0	3
33.76 - 56.25 NE	14.6 +- 0.0	1
56.26 - 78.75 ENE	16.4 +- 0.9	3
78.76 - 101.25 E	20.4 +- 1.0	2
101.26 - 123.75 ESE	17.2 +- 3.3	3
123.76 - 146.25 SE	17.9 +- 2.0	3
146.26 - 168.75 SSE	18.0 +- 2.4	2
168.76 - 191.25 S	19.8 +- 0.0	1
191.26 - 213.75 SSW	17.4 +- 5.5	2
213.76 - 236.25 SW	17.7 +- 2.2	3
236.26 - 258.75 WSW	19.2 +- 1.5	3
258.76 - 281.25 W	17.9 +- 2.9	5
281.26 - 303.75 WNW	17.2 +- 1.5	3
303.76 - 326.25 NW	19.0 +- 1.9	3
326.26 - 348.75 NNW	19.3 +- 0.9	4

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	17.9 +- 2.0	7
2 - 5	18.4 +- 1.9	23
> 5	17.7 +- 2.4	15
Upwind Control	No Data +- No Data	0

NRC TLD DOSES FOR WOLF CREEK AREA



Miles

0 2 4

Legend

Water
Railroads
Plant..site
Highways
Roads

YANKEE ROWE
TLD Direct Radiation Environmental Monitoring
For the period 970910-980211 155 Days
Field Time: 106 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	0	0.8	22.7 +- 0.7; 3.4	12.5 +- 0.7; 4.3	18.1 +- 1.9
2	265	14.0	23.1 +- 0.7; 3.5	12.8 +- 0.7; 4.3	15.9 +- 1.2
3	137	12.0	23.3 +- 0.7; 3.5	13.1 +- 0.7; 4.4	16.1 +- 1.5
5	85	2.2	21.5 +- 0.6; 3.2	11.5 +- 0.7; 4.2	15.7 +- 1.8
6	118	2.6	21.8 +- 0.7; 3.3	11.8 +- 0.7; 4.2	15.6 +- 1.5
7	137	2.1	23.0 +- 0.7; 3.5	12.8 +- 0.7; 4.3	17.4 +- 1.7
8	153	1.7	23.5 +- 0.7; 3.5	13.2 +- 0.7; 4.4	16.1 +- 1.1
9	176	1.1	22.2 +- 0.7; 3.3	12.1 +- 0.7; 4.3	16.0 +- 1.3
10	203	0.5	24.5 +- 0.7; 3.7	14.0 +- 0.8; 4.5	17.0 +- 2.0
11	219	0.6	24.1 +- 0.7; 3.6	13.7 +- 0.7; 4.4	16.9 +- 1.3
12	239	1.1	22.5 +- 0.7; 3.4	12.4 +- 0.7; 4.3	18.8 +- 2.5
13	272	1.8	22.9 +- 0.7; 3.4	12.7 +- 0.7; 4.3	17.6 +- 2.2
14	292	1.3	24.4 +- 0.7; 3.7	14.0 +- 0.8; 4.5	18.1 +- 2.0
15	315	1.6	23.7 +- 0.7; 3.6	13.4 +- 0.7; 4.4	18.4 +- 2.0
16	348	1.4	24.2 +- 0.7; 3.6	13.8 +- 0.7; 4.4	18.0 +- 1.7
17	358	2.8	22.6 +- 0.7; 3.4	12.5 +- 0.7; 4.3	16.8 +- 1.8
18	21	2.8	20.4 +- 0.6; 3.1	10.5 +- 0.7; 4.1	15.2 +- 1.7
19	43	5.8	21.8 +- 0.7; 3.3	11.7 +- 0.7; 4.2	16.8 +- 1.3
20	75	6.0	25.8 +- 0.8; 3.9	15.2 +- 0.8; 4.6	18.0 +- 2.0
21	98	6.0	21.7 +- 0.6; 3.2	11.6 +- 0.7; 4.2	14.9 +- 1.4
22	104	5.2	21.1 +- 0.6; 3.2	11.2 +- 0.7; 4.2	13.7 +- 1.3
23	133	5.7	22.9 +- 0.7; 3.4	12.7 +- 0.7; 4.3	14.1 +- 1.8
24	157	7.5	21.4 +- 0.6; 3.2	11.4 +- 0.7; 4.2	14.4 +- 1.7
25	184	6.3	24.4 +- 0.7; 3.7	13.9 +- 0.8; 4.5	16.4 +- 1.9
27	225	5.9	24.0 +- 0.7; 3.6	13.7 +- 0.7; 4.4	17.3 +- 1.6
29	269	3.5	23.7 +- 0.7; 3.6	13.4 +- 0.7; 4.4	17.5 +- 1.9
32	342	3.3	24.5 +- 0.7; 3.7	14.1 +- 0.8; 4.5	17.2 +- 1.6
34	48	7.3	24.8 +- 0.7; 3.7	14.3 +- 0.8; 4.5	17.4 +- 1.6
35	39	2.3	20.0 +- 0.6; 3.0	10.2 +- 0.7; 4.1	14.0 +- 1.6
47	260	9.6	26.4 +- 0.8; 4.0	15.7 +- 0.8; 4.6	16.7 +- 1.3
48	261	9.0	28.5 +- 0.9; 4.3	17.4 +- 0.8; 4.8	18.7 +- 1.6

Transit Dose = 8.0 +- 0.5; 3.8

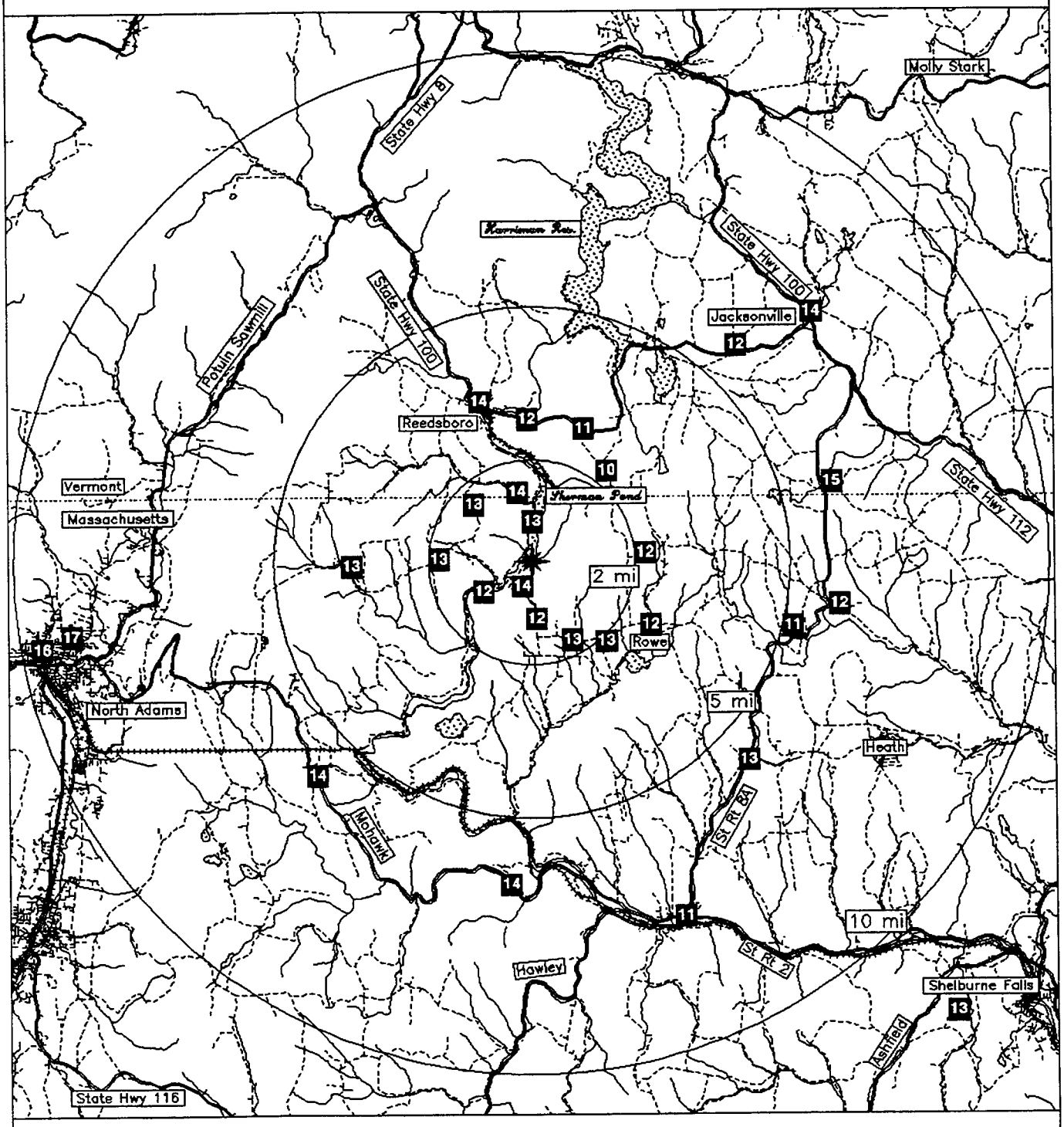
YANKEE ROWE
For the period 970910-980211

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	12.5 +- 0.1	2
11.26 - 33.75 NNE	10.5 +- 0.0	1
33.76 - 56.25 NE	12.1 +- 2.1	3
56.26 - 78.75 ENE	15.2 +- 0.0	1
78.76 - 101.25 E	11.6 +- 0.1	2
101.26 - 123.75 ESE	11.5 +- 0.4	2
123.76 - 146.25 SE	12.8 +- 0.2	3
146.26 - 168.75 SSE	12.3 +- 1.2	2
168.76 - 191.25 S	13.0 +- 1.3	2
191.26 - 213.75 SSW	14.0 +- 0.0	1
213.76 - 236.25 SW	13.7 +- 0.0	2
236.26 - 258.75 WSW	12.4 +- 0.0	1
258.76 - 281.25 W	13.0 +- 0.4	3
281.26 - 303.75 WNW	14.0 +- 0.0	1
303.76 - 326.25 NW	13.4 +- 0.0	1
326.26 - 348.75 NNW	13.9 +- 0.2	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	13.2 +- 0.7	10
2 - 5	12.1 +- 1.3	8
> 5	12.9 +- 1.3	11
Upwind Control	16.5 +- 1.2	2

NRC TLD DOSES FOR YANKEE ROWE AREA



Miles

0 2 4

Legend

Water
Highways
Railroads
Roads
Plant..site

ZION
TLD Direct Radiation Environmental Monitoring
For the period 970908-980210 156 Days
Field Time: 98 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	310	0.8	21.3 +- 0.6; 3.2	15.7 +- 0.7; 4.1	15.4 +- 1.5
2	192	1.0	19.2 +- 0.6; 2.9	13.8 +- 0.6; 3.9	13.1 +- 1.1
3	187	1.9	19.9 +- 0.6; 3.0	14.5 +- 0.6; 4.0	14.6 +- 1.4
4	219	2.4	23.6 +- 0.7; 3.5	17.8 +- 0.7; 4.4	17.4 +- 1.3
5	257	1.8	23.0 +- 0.7; 3.5	17.3 +- 0.7; 4.3	16.9 +- 1.5
6	250	1.2	22.7 +- 0.7; 3.4	17.0 +- 0.7; 4.3	16.2 +- 1.3
7	293	1.6	22.7 +- 0.7; 3.4	17.0 +- 0.7; 4.3	17.0 +- 1.1
8	310	1.8	Missing Dosimeter	No Net Data	14.9 +- 1.4
9	343	2.6	21.7 +- 0.7; 3.3	16.1 +- 0.7; 4.2	15.4 +- 1.4
10	356	4.5	20.9 +- 0.6; 3.1	15.4 +- 0.7; 4.1	14.6 +- 1.1
11	337	4.5	Missing Dosimeter	No Net Data	16.9 +- 1.1
12	310	4.0	26.6 +- 0.8; 4.0	20.6 +- 0.8; 4.7	18.9 +- 1.6
13	293	3.5	26.3 +- 0.8; 3.9	20.3 +- 0.8; 4.7	19.8 +- 1.4
14	280	4.5	25.2 +- 0.8; 3.8	19.3 +- 0.8; 4.5	18.8 +- 1.3
15	232	3.2	24.4 +- 0.7; 3.7	18.5 +- 0.8; 4.4	18.0 +- 1.4
16	220	3.5	24.9 +- 0.7; 3.7	19.1 +- 0.8; 4.5	18.3 +- 1.2
17	198	4.5	22.8 +- 0.7; 3.4	17.1 +- 0.7; 4.3	16.4 +- 1.5
18	206	2.8	22.3 +- 0.7; 3.3	16.6 +- 0.7; 4.2	15.5 +- 1.4
19	327	1.7	23.2 +- 0.7; 3.5	17.4 +- 0.7; 4.3	15.5 +- 1.5
20	197	15.0	26.8 +- 0.8; 4.0	20.8 +- 0.8; 4.7	19.2 +- 1.3
21	352	7.9	23.0 +- 0.7; 3.4	17.3 +- 0.7; 4.3	15.1 +- 1.2
22	348	9.3	24.1 +- 0.7; 3.6	18.3 +- 0.7; 4.4	15.3 +- 1.5
23	336	8.5	21.6 +- 0.6; 3.2	16.0 +- 0.7; 4.2	17.6 +- 1.9
24	314	5.8	Damaged Dosimeter	No Net Data	17.7 +- 1.3
25	220	6.3	22.4 +- 0.7; 3.4	16.7 +- 0.7; 4.3	16.7 +- 1.1
26	195	8.0	22.2 +- 0.7; 3.3	16.5 +- 0.7; 4.2	15.6 +- 1.2
28	197	15.0	26.5 +- 0.8; 4.0	20.5 +- 0.8; 4.7	18.8 +- 1.1
30	320	9.8	27.4 +- 0.8; 4.1	21.3 +- 0.8; 4.8	18.7 +- 1.6
31	229	8.0	23.8 +- 0.7; 3.6	18.0 +- 0.7; 4.4	16.7 +- 1.1
32	193	15.0	26.4 +- 0.8; 4.0	20.5 +- 0.8; 4.7	18.6 +- 1.7

Transit Dose = 4.2 +- 0.4; 3.2

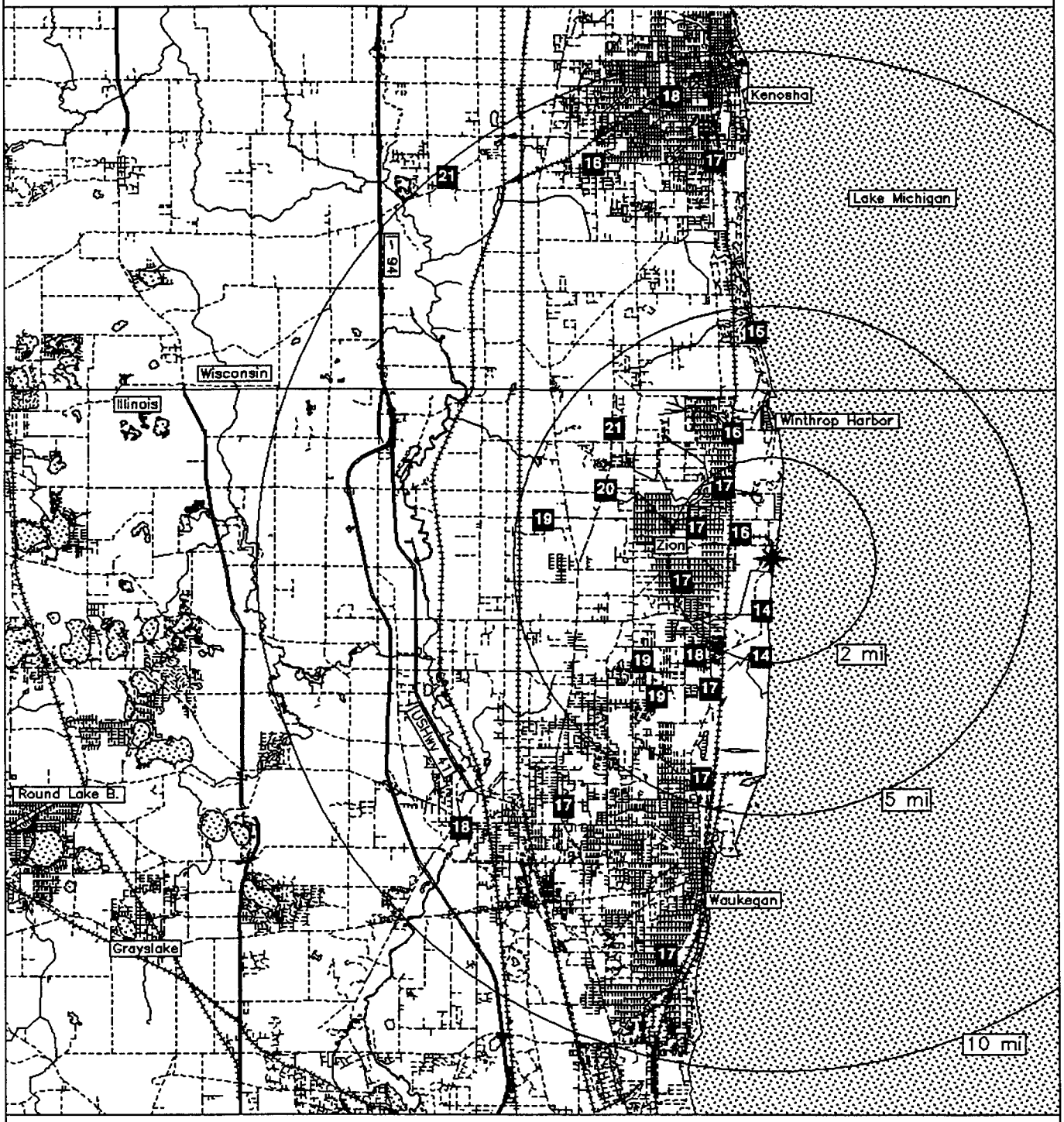
ZION
For the period 970908-980210

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	16.3 +- 1.4	2
11.26 - 33.75 NNE	No Data +- No Data	0
33.76 - 56.25 NE	No Data +- No Data	0
56.26 - 78.75 ENE	No Data +- No Data	0
78.76 - 101.25 E	No Data +- No Data	0
101.26 - 123.75 ESE	No Data +- No Data	0
123.76 - 146.25 SE	No Data +- No Data	0
146.26 - 168.75 SSE	No Data +- No Data	0
168.76 - 191.25 S	14.5 +- 0.0	1
191.26 - 213.75 SSW	16.0 +- 1.5	4
213.76 - 236.25 SW	18.0 +- 0.9	5
236.26 - 258.75 WSW	17.2 +- 0.2	2
258.76 - 281.25 W	19.3 +- 0.0	1
281.26 - 303.75 WNW	18.7 +- 2.3	2
303.76 - 326.25 NW	19.2 +- 3.0	3
326.26 - 348.75 NNW	17.0 +- 1.1	4

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	16.1 +- 1.5	7
2 - 5	18.1 +- 1.8	10
> 5	17.7 +- 1.8	7
Upwind Control	20.6 +- 0.2	3

NRC TLD DOSES FOR ZION AREA



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11. ABSTRACT (200 words or less)

This report provides the status and results of the NRC Thermoluminescent Dosimeter (TLD) Direct Radiation Monitoring Network. It presents the radiation levels measured in the vicinity of NRC licensed facilities throughout the country for the fourth quarter of 1997.

12. KEY WORDS/DESCRIPTORS (List words or phrases that will assist researchers in locating the report.)
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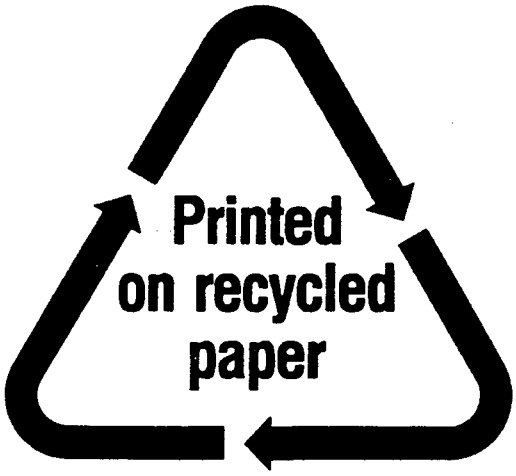

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