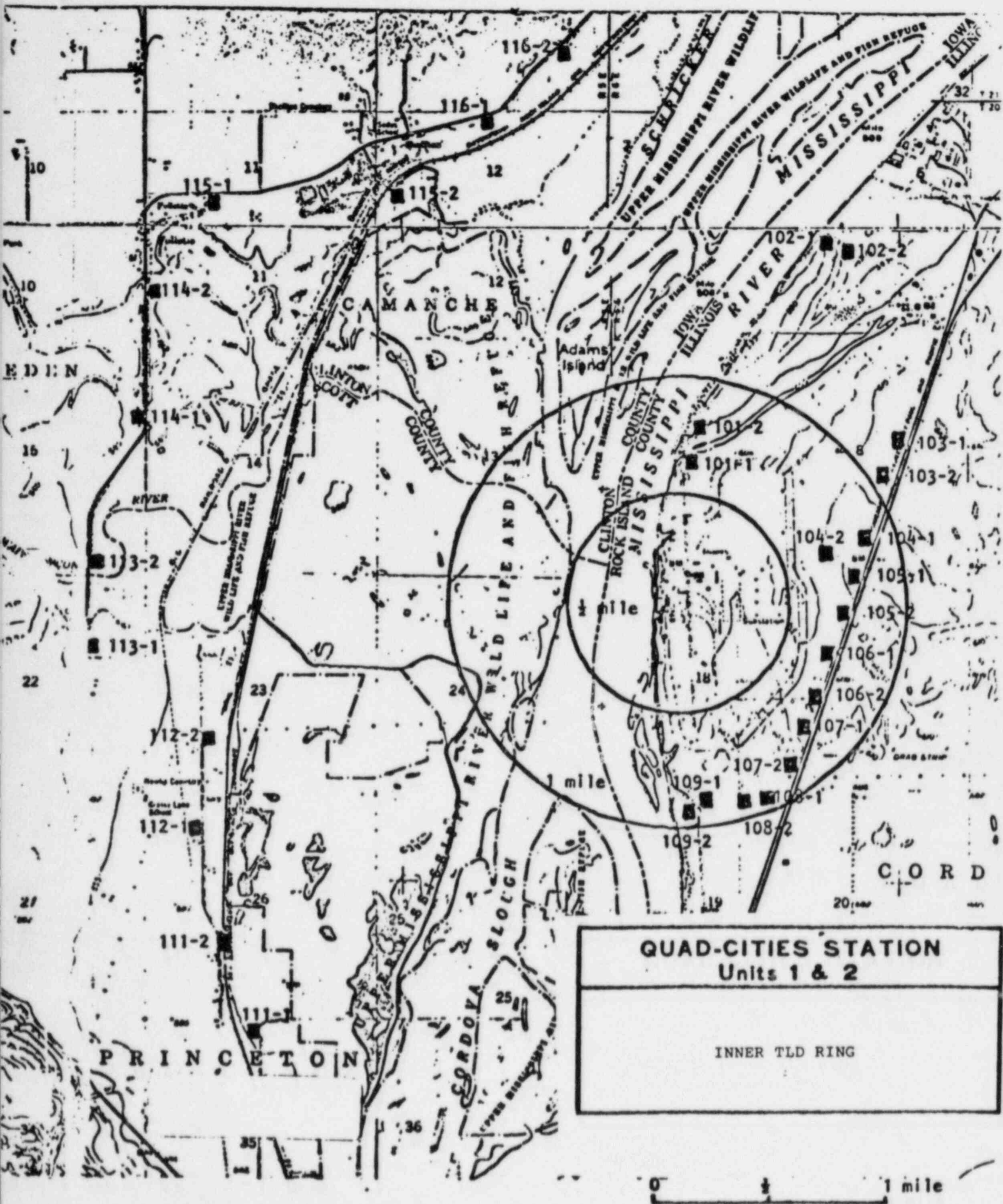


QUAD-CITIES STATION Units 1 & 2

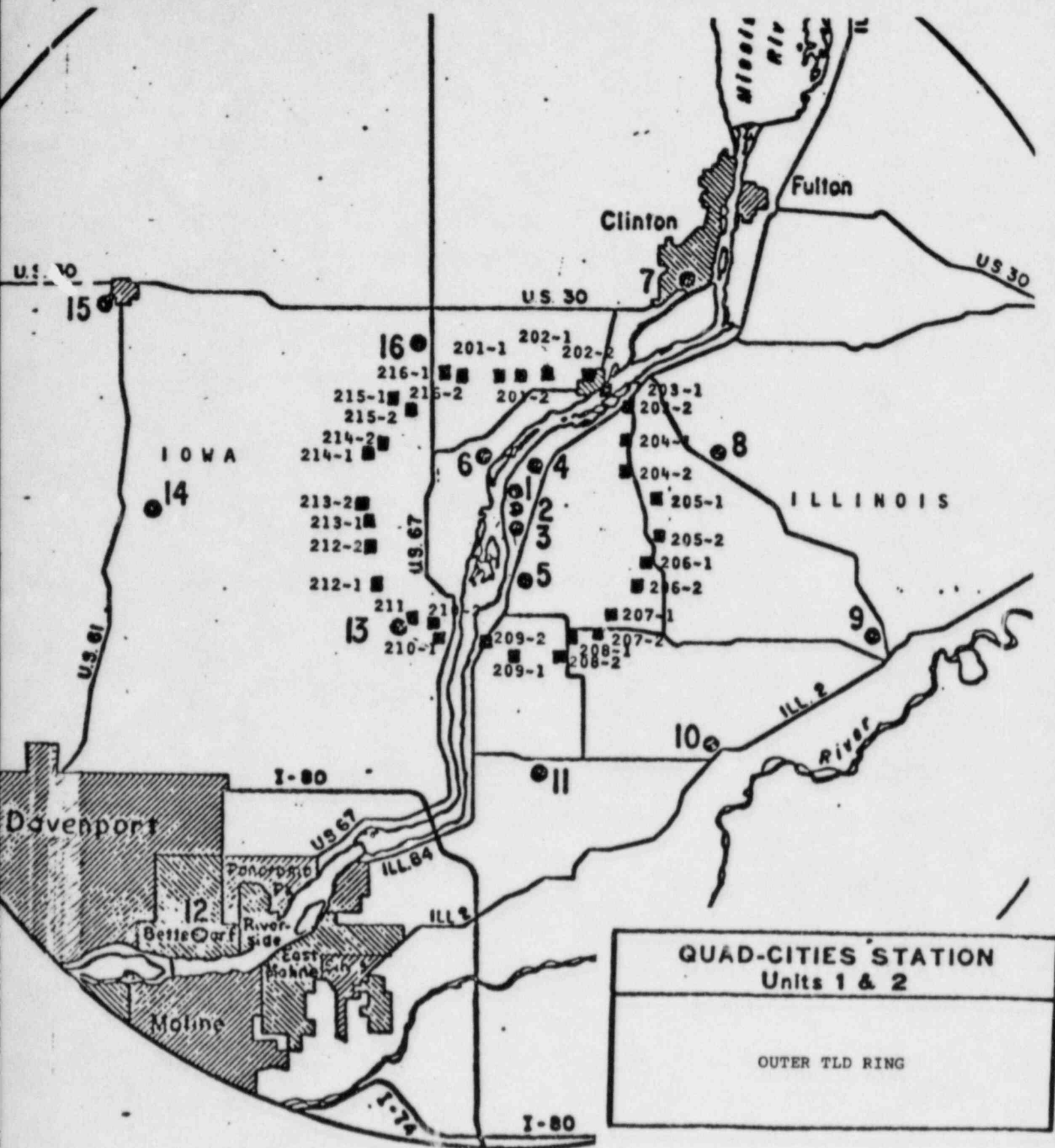
LOCATIONS OF WATER SAMPLE
AND DAIRY SITES

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QUAD-CITIES STATION Units 1 & 2

INNER TLD RING



QUAD CITIES STATION

1. Air Samplers

<u>Site Code</u>	<u>Location</u>	<u>Distance (miles)</u>	<u>Direction (0)</u>
Q-01	a. On-site Station #1	0.5	0
Q-02	b. On-site Station #2	0.5	70
Q-03	c. On-site Station #3	0.6	170
Q-04	d. Nitrin	1.5	40
Q-05	e. Saddle Club Dairy Farm	1.8	160
Q-06	f. Hanson's Boat Landing	1.8	340
Q-07	g. Clinton	9.0	40
Q-08	h. Sikkema Farm	7.0	70
Q-09	i. Erie	13.0	110
Q-10	j. Hillsdale	10.0	130
Q-11	k. Port Byron	8.0	170
Q-12	l. Bettendorf	15.0	210
Q-13	m. Princeton	4.8	220
Q-14	n. Utica Ridge Road	11.0	270
Q-15	o. DeWitt	13.0	300
Q-16	p. Low Moor	6.0	330

2. TLD

Same as 1.

Special TLD Samplers

<u>Site Code</u>	<u>Distance (mile)</u>	<u>Direction (0)</u>
101-1	0.7	4
101-2	0.8	4
102-1	1.7	21
102-2	1.7	22
103-1	1.2	56
103-2	1.1	60
104-1	0.95	77
104-2	0.63	77
105-1	0.75	91
105-2	0.71	109
106-1	0.71	118
106-2	0.73	128
107-1	0.78	137
107-2	0.86	146
108-1	0.96	155
108-2	0.89	167
109-1	0.87	176
109-2	0.98	180
111-1	2.6	226
111-2	2.6	231
112-1	2.5	246
112-2	2.2	252
113-1	2.6	264
113-2	2.5	271

QUAD CITIES STATION (continued)

Special TLD Samplers

<u>Site Code</u>	<u>Distance (mile)</u>	<u>Direction (0)</u>
114-1	2.6	286
114-2	2.5	295
115-1	2.6	310
115-2	2.0	320
116-1	2.2	339
116-2	2.4	347
201-1	4.6	356
201-2	4.0	12
202-1	4.4	17
202-2	5.0	30
203-1	5.0	34
203-2	4.5	51
204-1	4.5	61
204-2	3.9	72
205-1	5.6	83
205-2	4.7	99
206-1	5.0	113
206-2	4.8	120
207-1	4.3	133
207-2	4.6	145
208-1	4.4	158
208-2	4.7	158
209-1	4.4	179
209-2	4.5	192
210-1	4.4	210
210-2	3.4	211
211-1	3.5	223
212-1	5.4	242
212-2	4.7	256
213-1	4.7	265
213-2	5.5	270
214-1	4.4	310
214-2	4.4	311
215-1	4.8	316
215-2	4.5	318
216-1	4.5	333
216-2	4.2	343

3. Fish

<u>Site Code</u>	<u>Location</u>	<u>Distance (miles)</u>	<u>Direction (0)</u>
Q-24	a. Davenport Farm Market	Pool #14 of Mississippi River	210

4. Milk

<u>Site Code</u>	<u>Location</u>	<u>Distance (miles)</u>	<u>Direction (0)</u>
Q-17	a. Hansen Dairy Farm	6.0	70
Q-18	b. Musal Farm	5.5	225

QUAD CITIES STATION (Continued...)

5. Public Water Supply

<u>Site Code</u>	<u>Location</u>	<u>Distance (miles)</u>	<u>Direction (0)</u>
Q-19	a. East Moline Water Works	19.0 River miles	210
Q-20	b. Davenport Water Works	20.0 River miles	210

6. Cooling Water Sample

<u>Site Code</u>	<u>Location</u>	<u>Distance (miles)</u>	<u>Direction (0)</u>
Q-21	a. Inlet	at Station	270
Q-22	b. Discharge		270

7. Sediment

<u>Site Code</u>	<u>Location</u>	<u>Distance (miles)</u>	<u>Direction (0)</u>
Q-23	a. Lock and Dam #14	15.0	210

TABLE 5.0-1

QUAD CITIES STANDARD RADIOLOGICAL MONITORING PROGRAM

<u>Sample Media</u>	<u>Collection Site^a</u>	<u>Type of Analysis</u>	<u>Frequency</u>	<u>Non-Routine Reporting Levels^b</u>
1. Air Monitoring	(a) Onsite and near Field	1. Filter - gross beta ^c	1. Weekly	Cs-134 10, Cs-137 20 pCi/m ³
	(1) Onsite Station #1	2. Charcoal - I-131	2. Bi-weekly ^d	0.9 pCi/m ³
	(2) Onsite Station #2			
	(3) Onsite Station #3	3. Sampling Train - Test and Maintenance	3. Weekly	
	(4) Nitrin			
	(5) Saddle Club Dairy Farm			
	(6) Hanson's Boat Landing			
	(b) Far Field	1. Filter Exchange	1. Weekly	Same as 1 (a)
	(1) Clinton	2. Charcoal Exchange	2. Bi-weekly	When analyses
	(2) Sikkema Farm	3. Sampling Train - Test and Maintenance	3. Weekly	are made
	(3) Erie			
	(4) Hillsdale			
	(5) Port Byron			
	(6) Bettendorf			
	(7) Princeton			
	(8) Utica Ridge Road			
	(9) DeWitt			
	(10) Low Moor			
2. TLD	Same as 1	Gamma Radiation	Quarterly	
3. Fish	Pool 14 of Mississippi	Gamma isotopic	Semi-annually	Mn-54 3x10 ⁴ , Fe-59 1x10 ⁴ Co-58 3x10 ⁴ , Co-60 1x10 ⁴ Zn-65 2x10 ⁴ , Cs-134 1x10 ³ Cs-137 2x10 ³ pCi/Kg wet weight
4. Milk	(a) Hansen Dairy	I-131	1. Weekly - Grazing Season - May to Oct	I-131 3 pCi/l Cs-134 60 pCi/l Cs-137 70 pCi/l
	(b) Musal Dairy		2. Monthly - Nov to Apr	Ba-La-140 300 pCi/l