

# **SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT**

## **CHAPTER 2 SITE CHARACTERISTICS**

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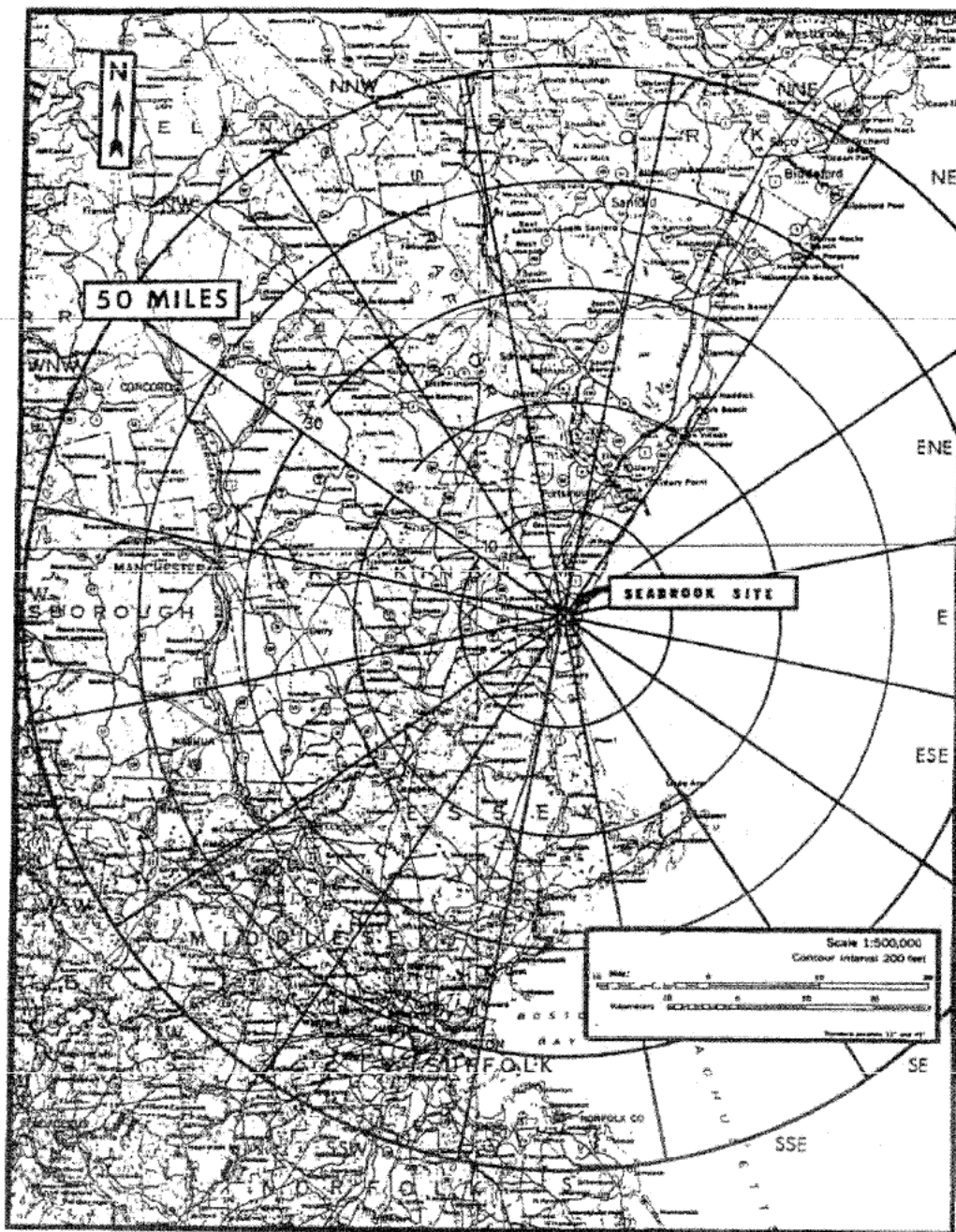
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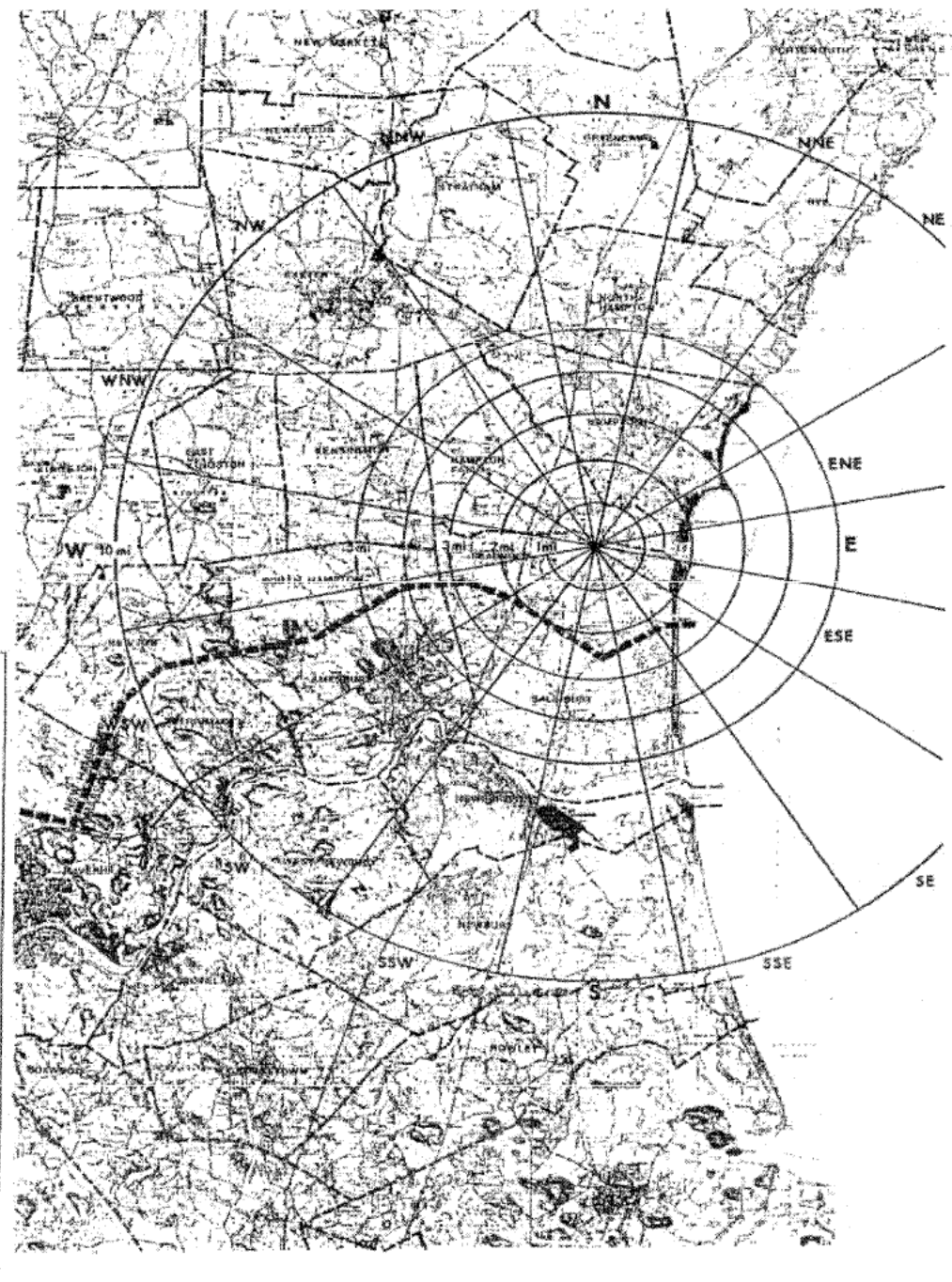
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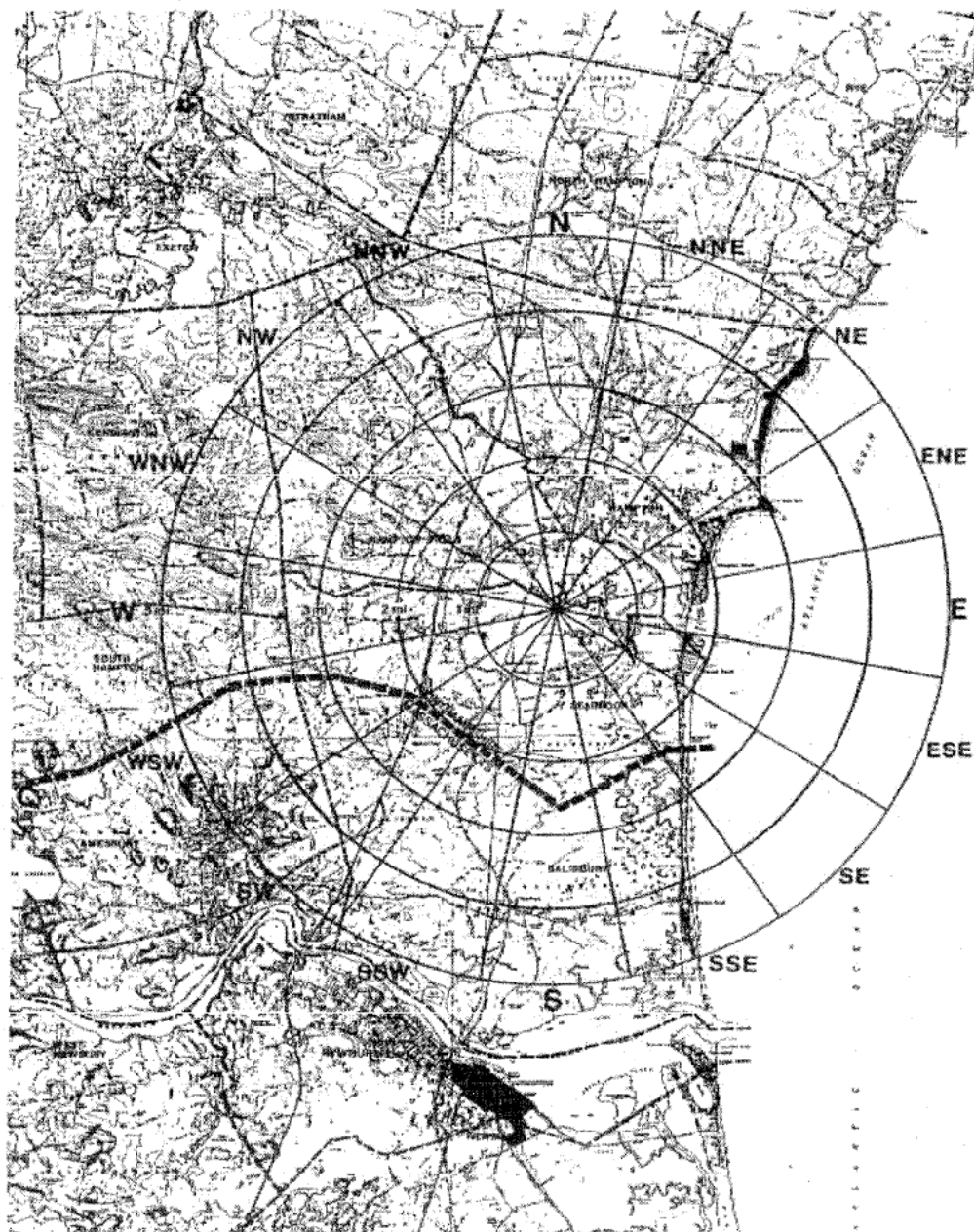
SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	Location of Site within Southeastern New Hampshire	
		Figure 2.1-1





SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	Site Area: 0-10 Miles	
		Figure 2.1-2





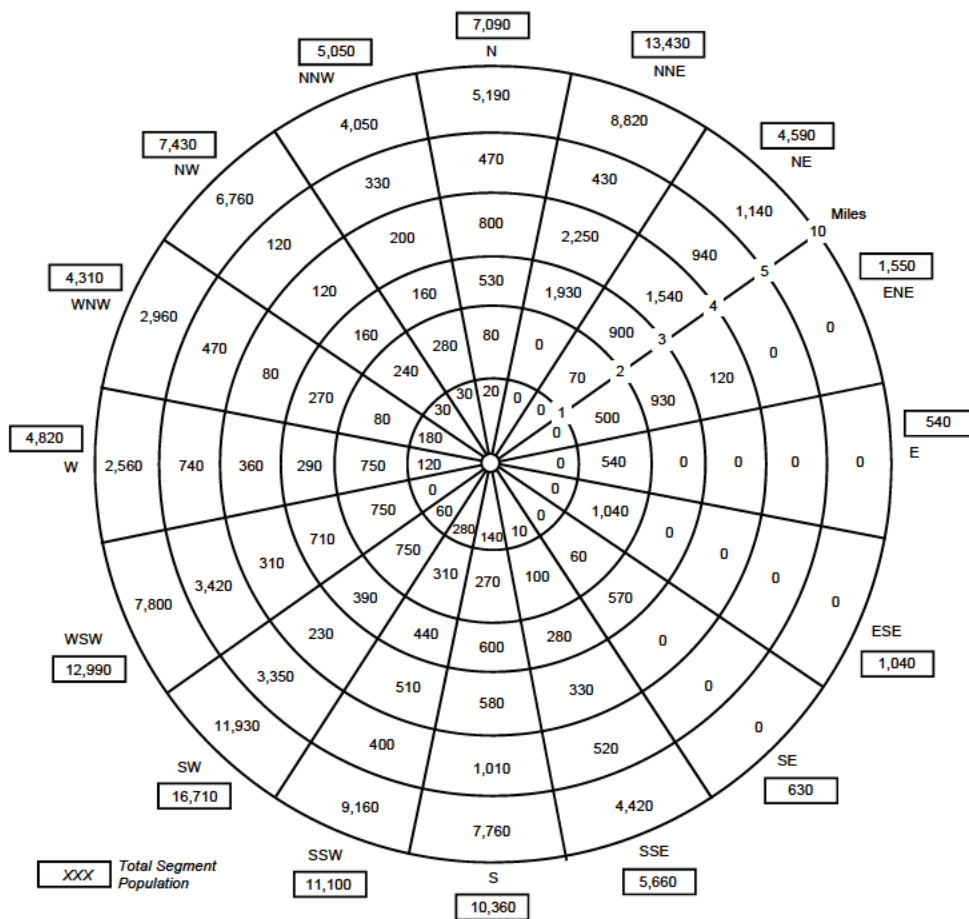
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Site Area: 0-5 Miles

Figure 2.1-3



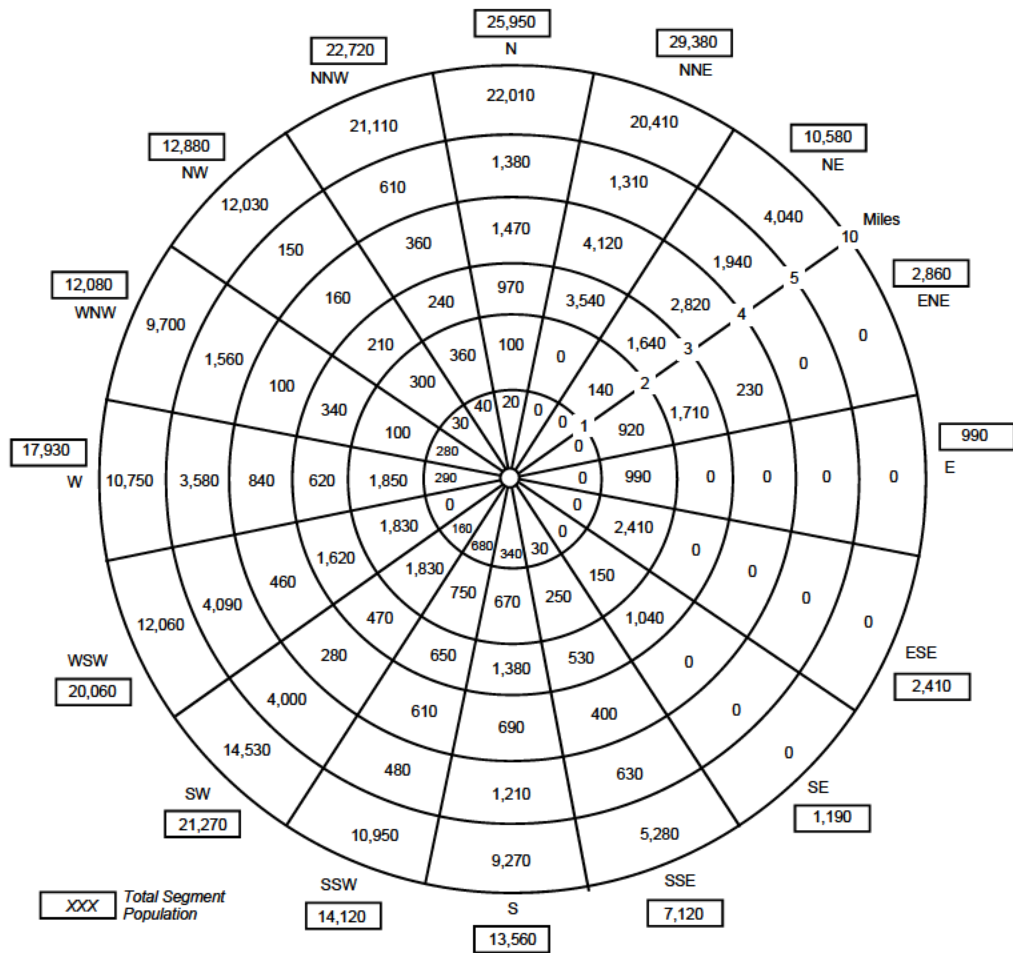




Population Totals			
Ring Miles	Ring Population	Total Miles	Cumulative Population
0 - 1	870	0 - 1	870
1 - 2	5,820	0 - 2	6,690
2 - 3	8,160	0 - 3	14,850
3 - 4	7,430	0 - 4	22,280
4 - 5	12,470	0 - 5	34,750
5 - 10	72,550	0 - 10	107,300

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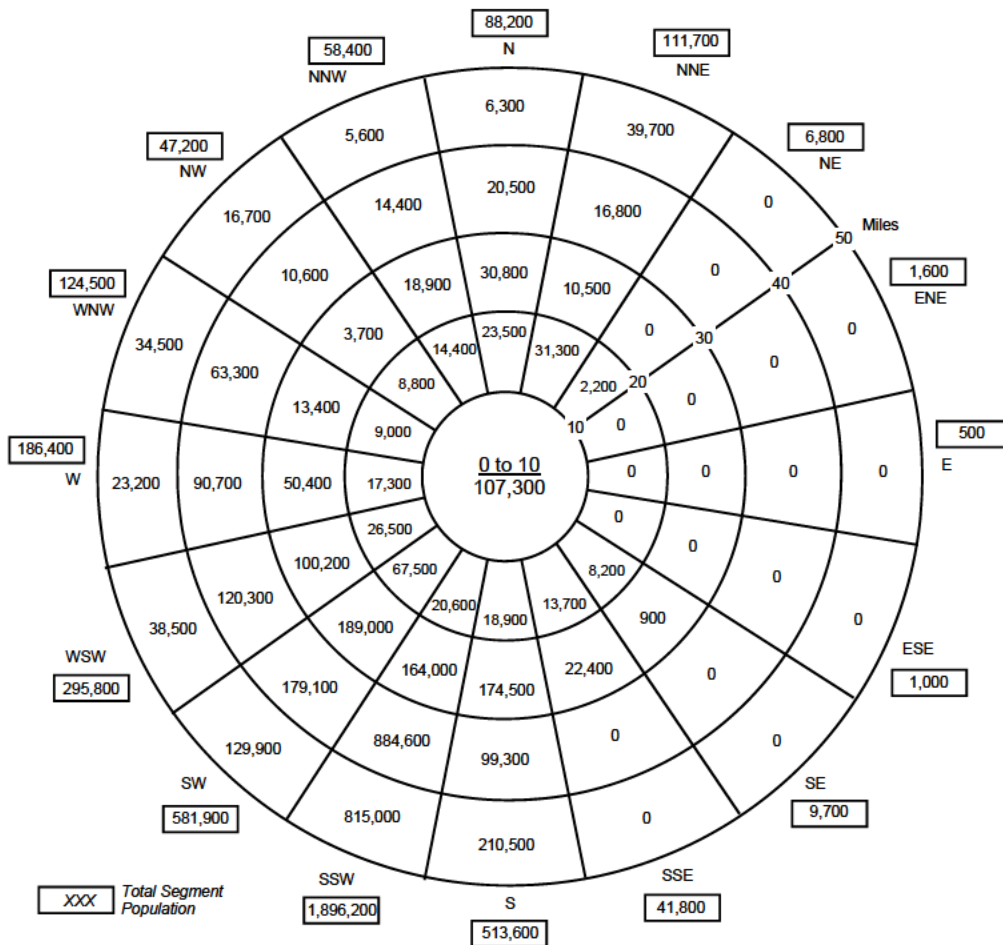
SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	1983 Resident Population (0-10 Miles)	
		Figure 2.1-6



Population Totals			
Ring Miles	Ring Population	Total Miles	Cumulative Population
0 - 1	1,870	0 - 1	1,870
1 - 2	12,650	0 - 2	14,520
2 - 3	14,960	0 - 3	29,480
3 - 4	12,540	0 - 4	42,020
4 - 5	20,940	0 - 5	62,960
5 - 10	152,140	0 - 10	215,100

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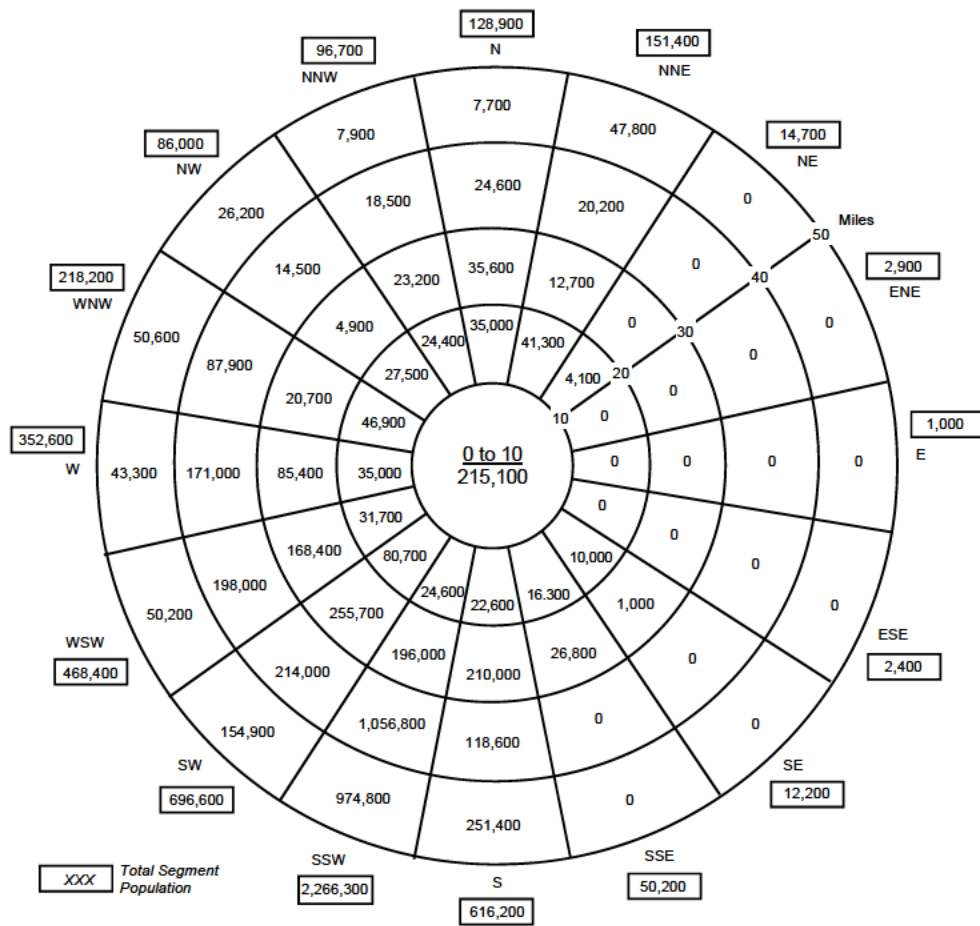
SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	2025 Resident Population (0-10 Miles)	
		Figure 2.1-7



Population Totals			
Ring Miles	Ring Population	Total Miles	Cumulative Population
0 - 10	107,300	0 - 10	107,300
10 - 20	261,900	0 - 20	369,200
20 - 30	778,700	0 - 30	1,147,900
30 - 40	1,499,600	0 - 40	2,647,500
40 - 50	1,317,800	0 - 50	3,965,300

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SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	1983 Resident Population (0-50 Miles)	
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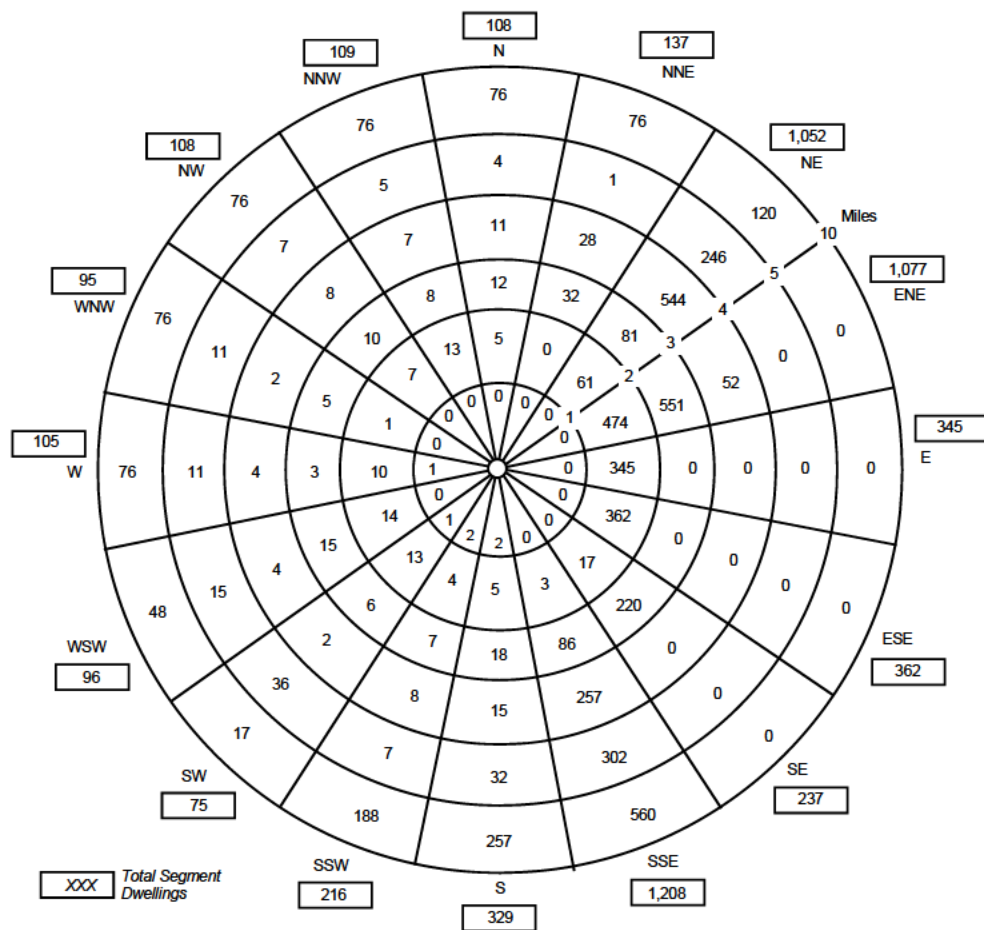


Population Totals			
Ring Miles	Ring Population	Total Miles	Cumulative Population
0 - 10	215,100	0 - 10	215,100
10 - 20	400,100	0 - 20	615,200
20 - 30	1,010,400	0 - 30	1,625,600
30 - 40	1,924,100	0 - 40	3,549,700
40 - 50	1,614,800	0 - 50	5,164,500

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SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	2025 Resident Population (0-50 Miles)	
		Figure 2.1-9

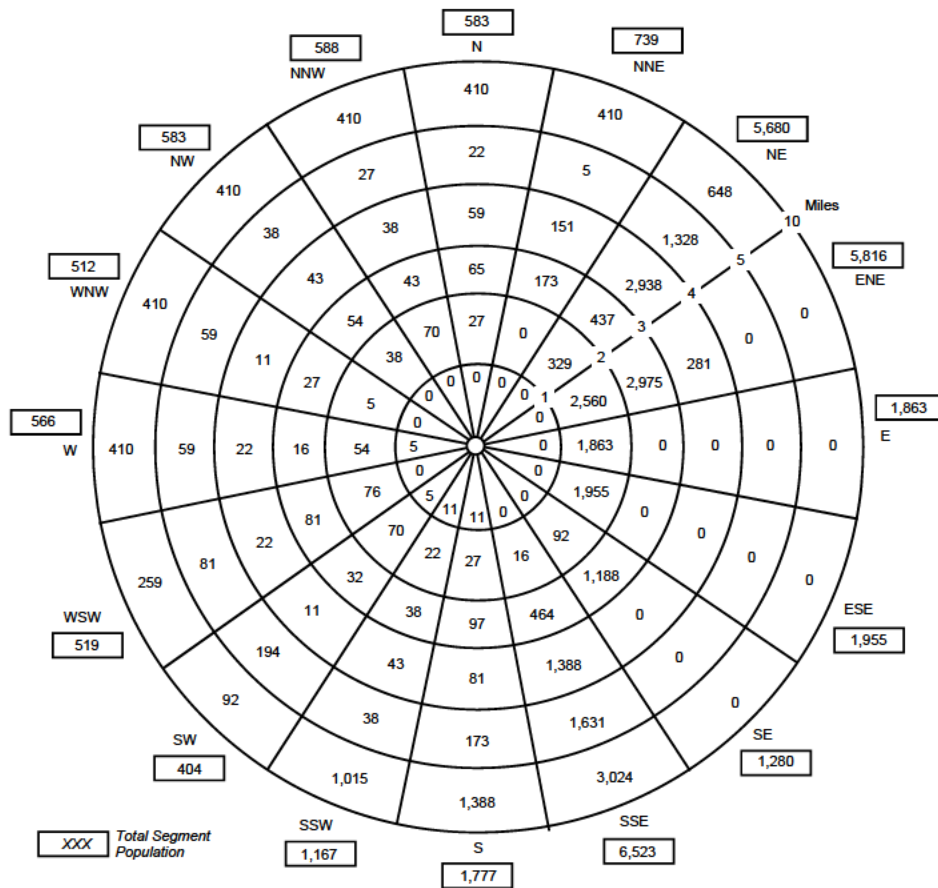




Dwelling Totals			
Ring Miles	Ring Dwellings	Total Miles	Cumulative Dwellings
0 - 1	6	0 - 1	6
1 - 2	1,334	0 - 2	1,340
2 - 3	1,054	0 - 3	2,394
3 - 4	942	0 - 4	3,336
4 - 5	677	0 - 5	4,013
5 - 10	1,646	0 - 10	5,659

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SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	Seasonal Dwelling Units (0-10) Miles	
		Figure 2.1-10

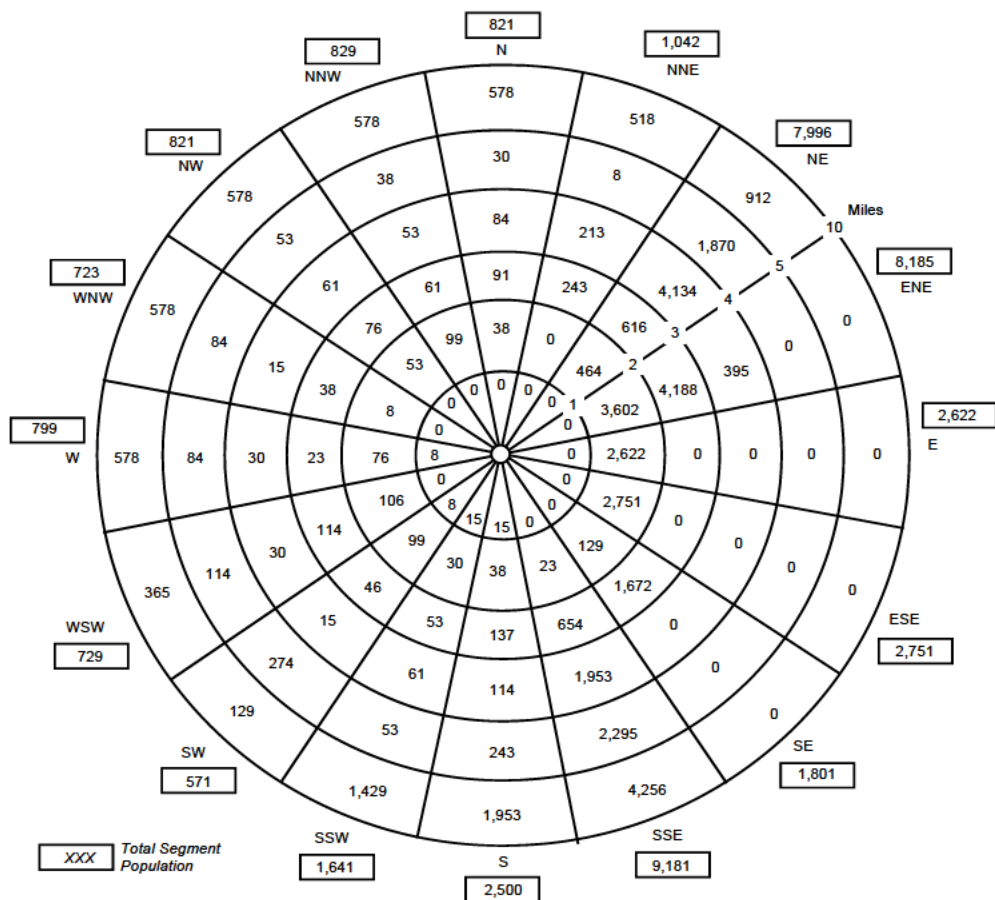


Population Totals			
Ring Miles	Ring Population	Total Miles	Cumulative Population
0 - 1	32	0 - 1	32
1 - 2	7,204	0 - 2	7,236
2 - 3	5,690	0 - 3	12,296
3 - 4	5,088	0 - 4	18,014
4 - 5	3,655	0 - 5	21,669
5 - 10	8,886	0 - 10	30,555

\*Population = Number of Dwelling Units x 5.4 Person/Unit

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SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	Weekday Seasonal Dwelling Unit Population (0-10 Miles)	
		Figure 2.1-11

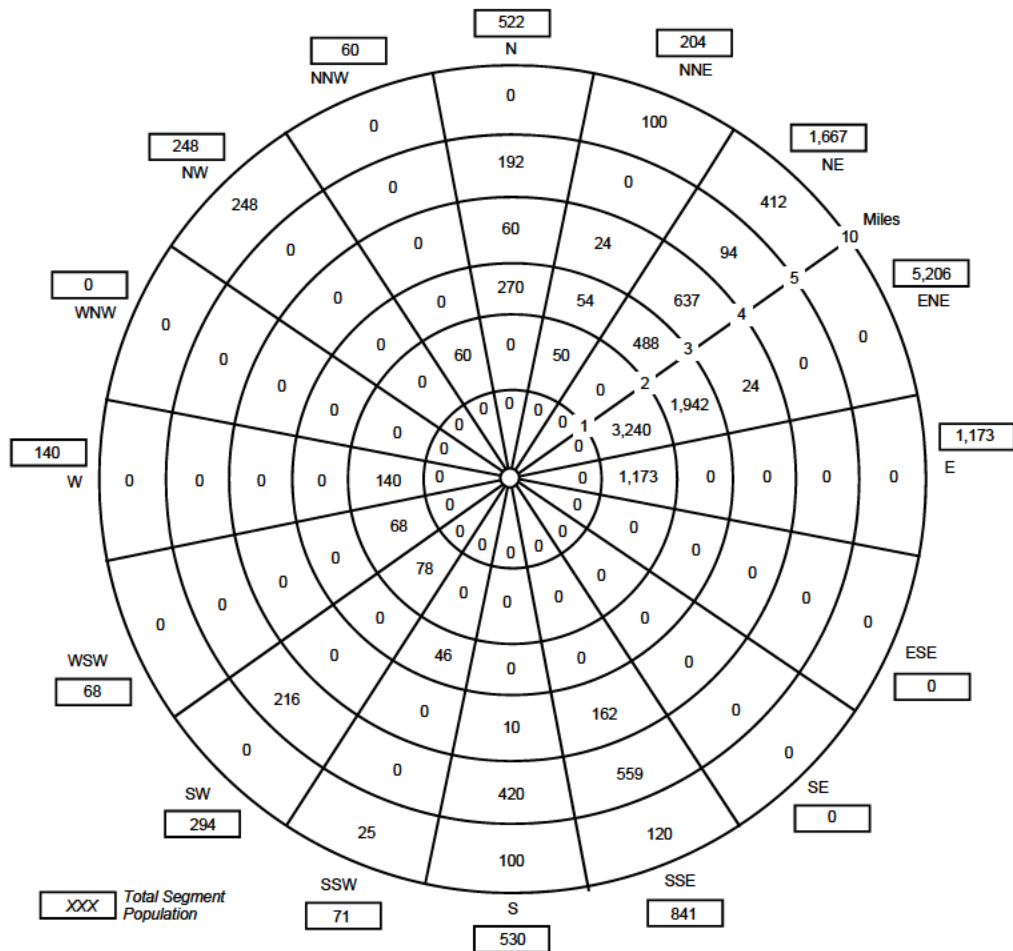


Population Totals			
Ring Miles	Ring Population	Total Miles	Cumulative Population
0 - 1	46	0 - 1	46
1 - 2	10,138	0 - 2	10,184
2 - 3	8,012	0 - 3	18,196
3 - 4	7,158	0 - 4	25,354
4 - 5	5,146	0 - 5	30,500
5 - 10	12,512	0 - 10	43,012

\*Population = Number of Dwelling Units x 7.6 Person/Unit

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SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	Weekend Seasonal Dwelling Unit Population (0-10 Miles)	
		Figure 2.1-12



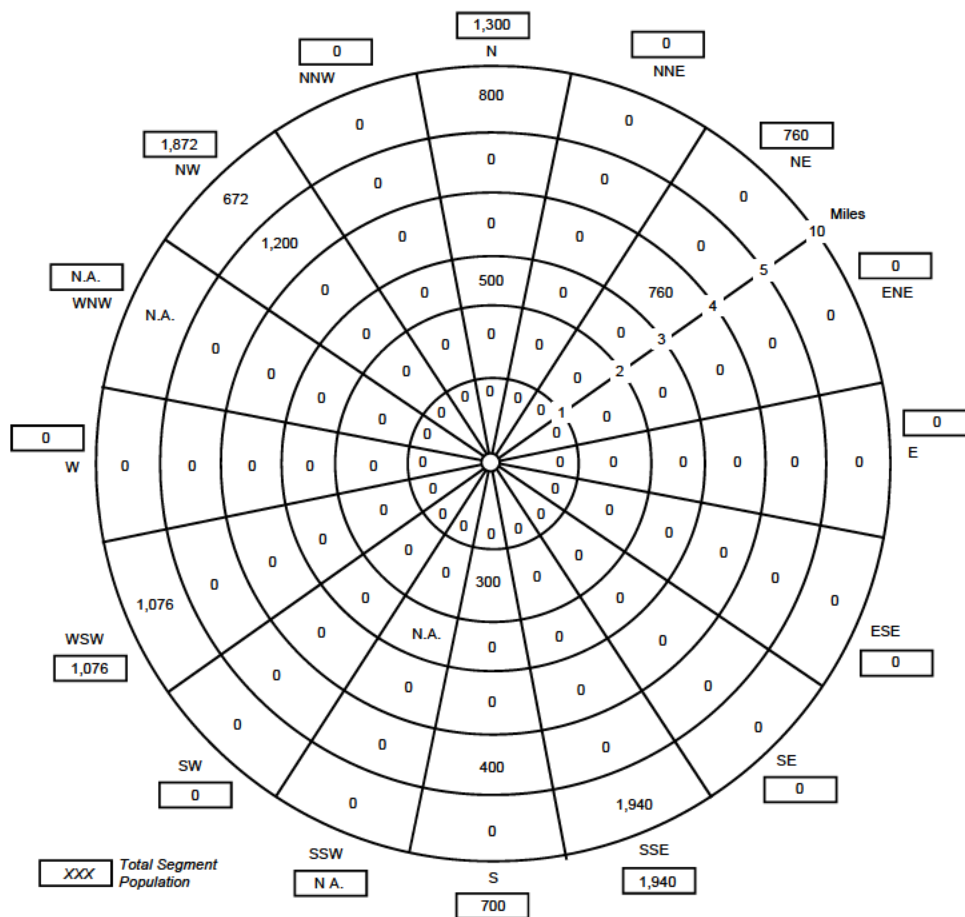
Population Totals			
Ring Miles	Ring Population	Total Miles	Cumulative Population
0 - 1	0	0 - 1	0
1 - 2	4,809	0 - 2	4,809
2 - 3	2,800	0 - 3	7,609
3 - 4	929	0 - 4	8,538
4 - 5	1,481	0 - 5	10,019
5 - 10	1,005	0 - 10	11,024

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Seasonal Overnight Peak Population (Hotels, Motels and Guesthouses) (0-10 Miles)

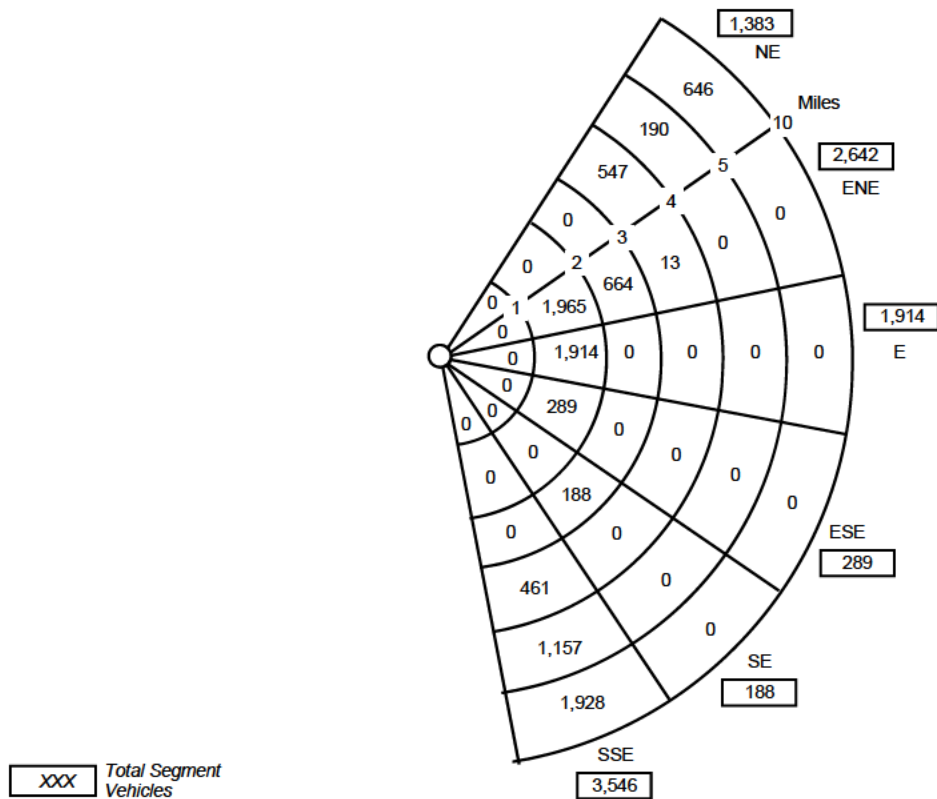
Figure 2.1-13



Population Totals			
Ring Miles	Ring Population	Total Miles	Cumulative Population
0 - 1	0	0 - 1	0
1 - 2	300	0 - 2	300
2 - 3	500	0 - 3	800
3 - 4	760	0 - 4	1,560
4 - 5	1,600	0 - 5	3,160
5 - 10	4,488	0 - 10	7,648

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SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	Peak Campground Population (0-10 Miles)	
		Figure 2.1-14

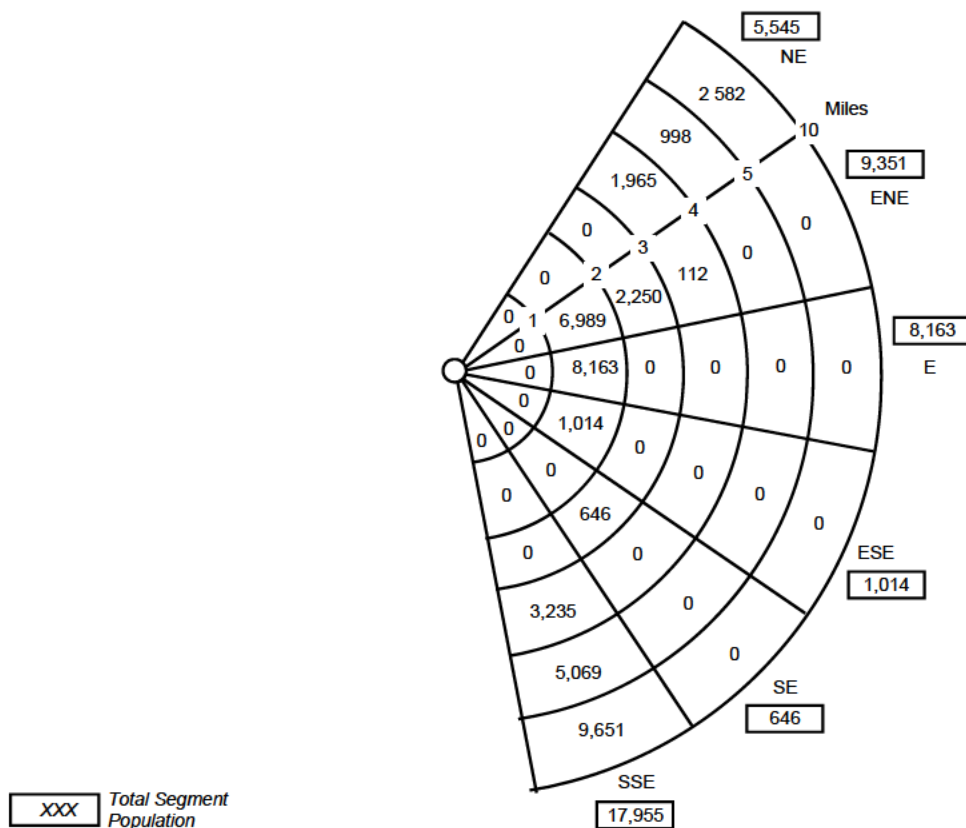


Vehicle Totals			
Ring Miles	Ring Vehicles	Total Miles	Cumulative Vehicles
0 - 1	0	0 - 1	0
1 - 2	4,168	0 - 2	4,168
2 - 3	852	0 - 3	5,020
3 - 4	1,021	0 - 4	6,041
4 - 5	1,347	0 - 5	7,388
5 - 10	2,574	0 - 10	9,962

\*Data Represents Vehicle Counts for July 22, 1979 (Less Leased Parking Spaces).

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SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	Maximum Number of Vehicles Observed in Beach Area Parking Lots (0-10 Miles)	
		Figure 2.1-15



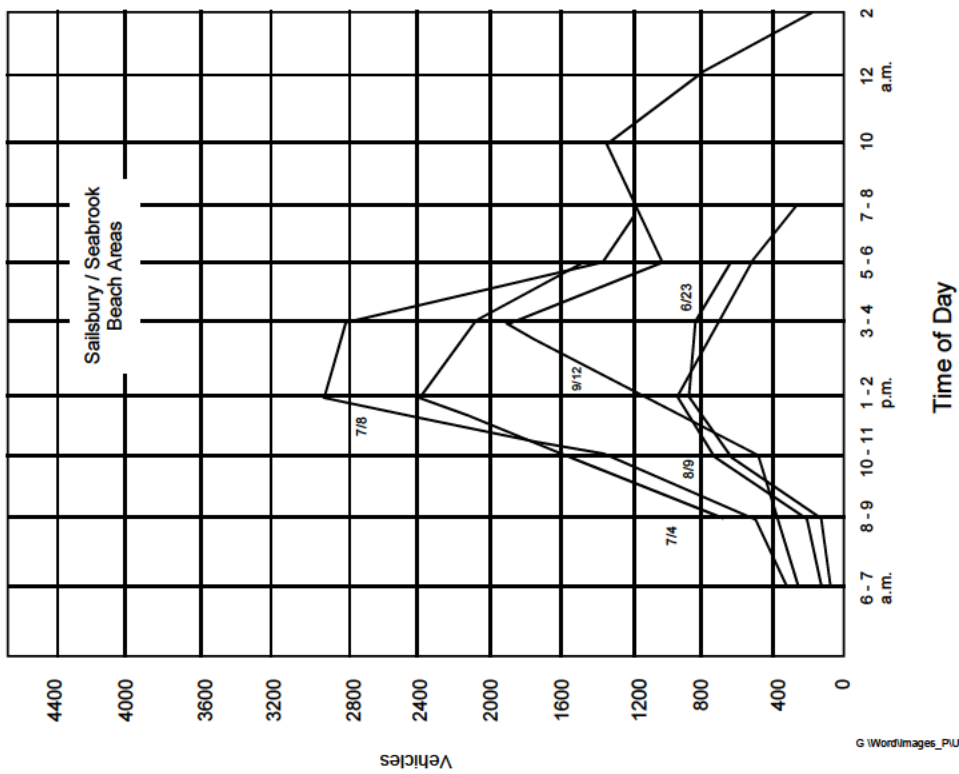
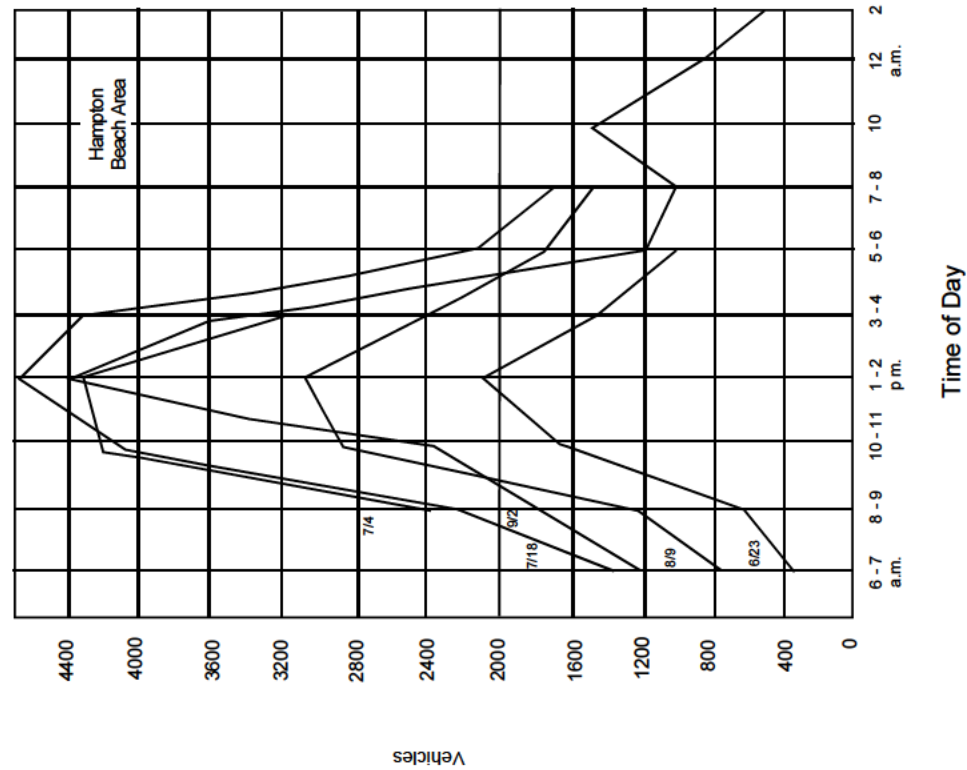
Population Totals			
Ring Miles	Ring Population	Total Miles	Cumulative Population
0 - 1	0	0 - 1	0
1 - 2	16,166	0 - 2	16,166
2 - 3	2,896	0 - 3	19,062
3 - 4	5,312	0 - 4	24,374
4 - 5	6,067	0 - 5	30,441
5 - 10	12,233	0 - 10	42,674

\*Population = Capacity of Lots (Less Leased Space) x 3.2 Person/Vehicle

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SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	Beach Area Parking Lots – Estimated Peak Transient Population (0-10 Miles)	
		Figure 2.1-16



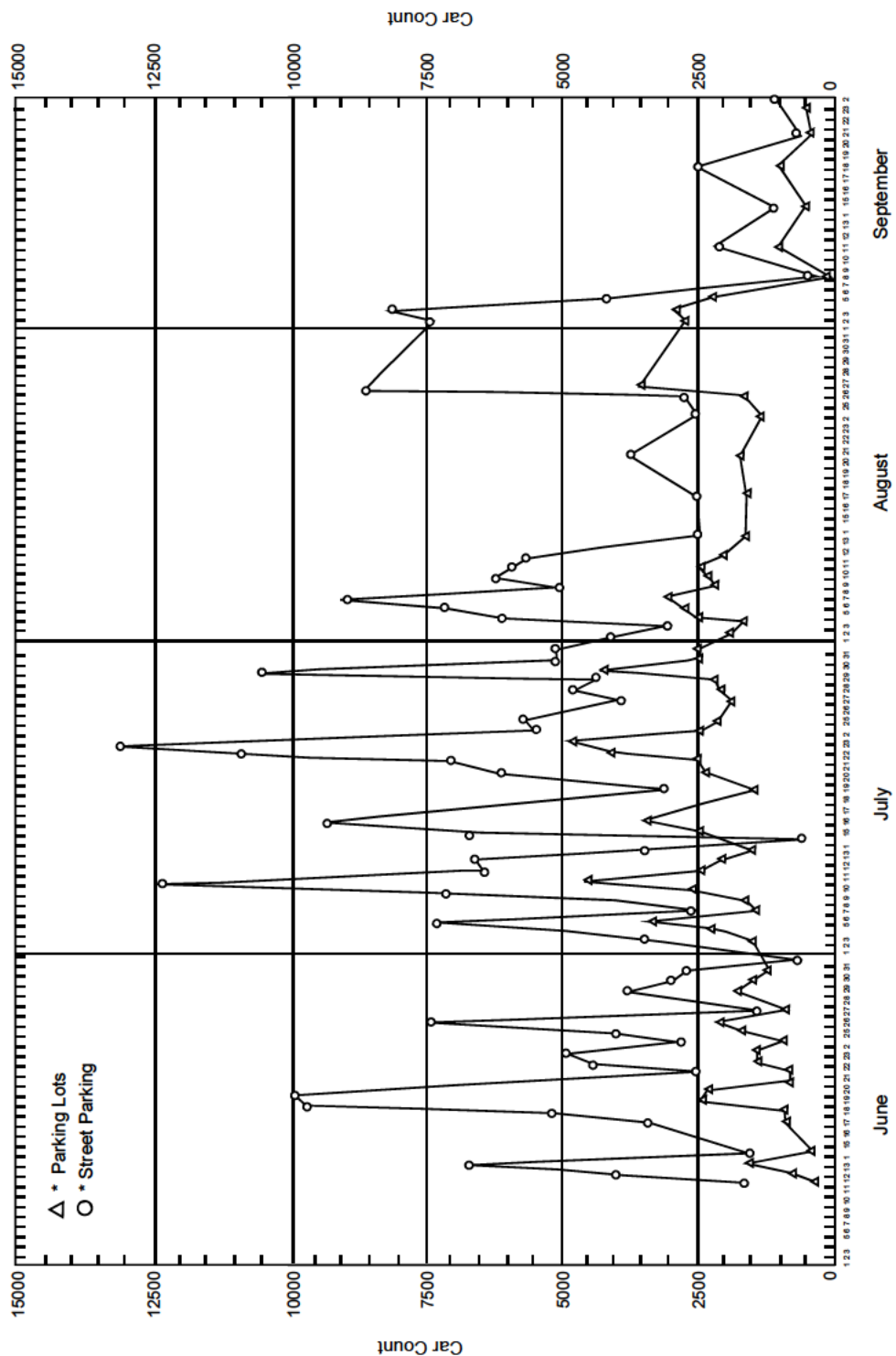


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Time-of-Day Vehicle Distribution in Salisbury, Seabrook,  
and Hampton Beach Area Parking Lots

Figure 2.1-17

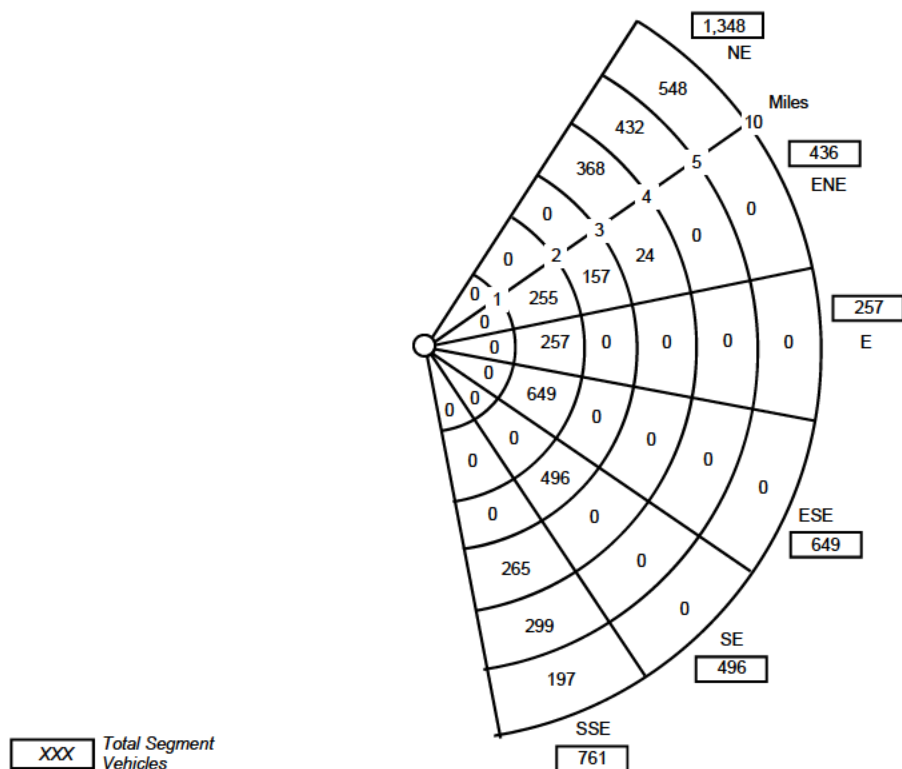


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Total Car Count of Observed Parking Areas – 1979 –  
Seabrook Coastal Areas (28 Miles)

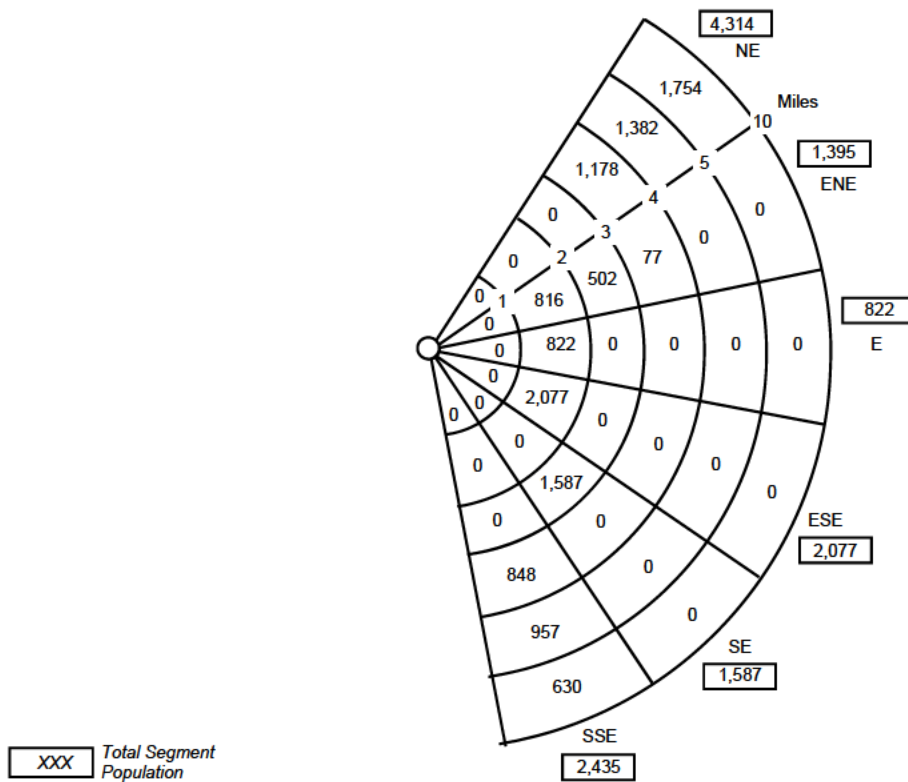
Figure 2.1-18



Vehicle Totals			
Ring Miles	Ring Vehicles	Total Miles	Cumulative Vehicles
0 - 1	0	0 - 1	0
1 - 2	1,161	0 - 2	1,161
2 - 3	653	0 - 3	1,814
3 - 4	657	0 - 4	2,471
4 - 5	731	0 - 5	3,202
5 - 10	745	0 - 10	3,947

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SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	Beach Area On-Street Vehicle Parking Capacity – Daily Transients Only (0-10 Miles)	
		Figure 2.1-19

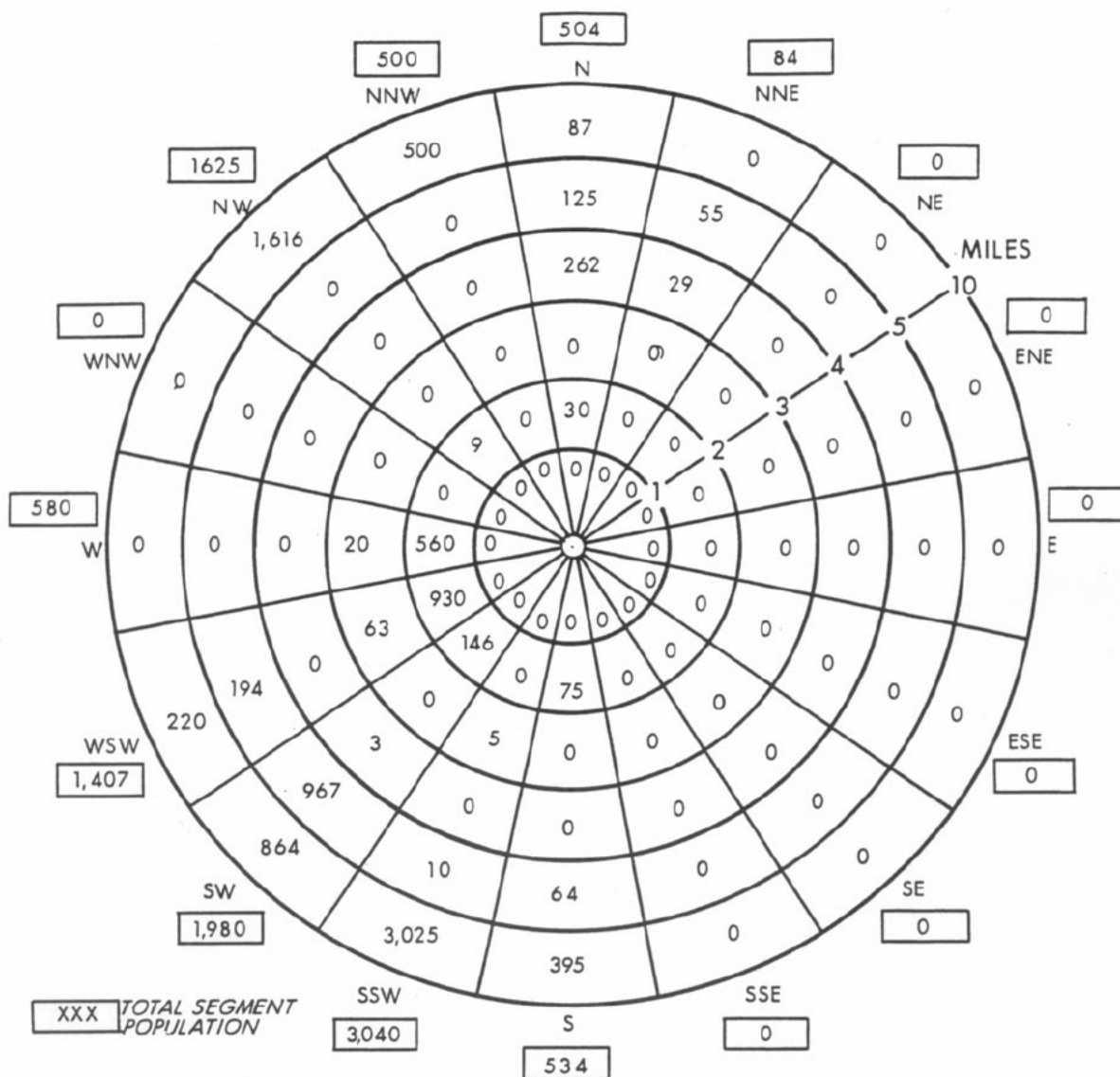


Population Totals			
Ring Miles	Ring Population	Total Miles	Cumulative Population
0 - 1	0	0 - 1	0
1 - 2	3,715	0 - 2	3,715
2 - 3	2,089	0 - 3	5,804
3 - 4	2,103	0 - 4	7,907
4 - 5	2,339	0 - 5	10,246
5 - 10	2,384	0 - 10	12,630

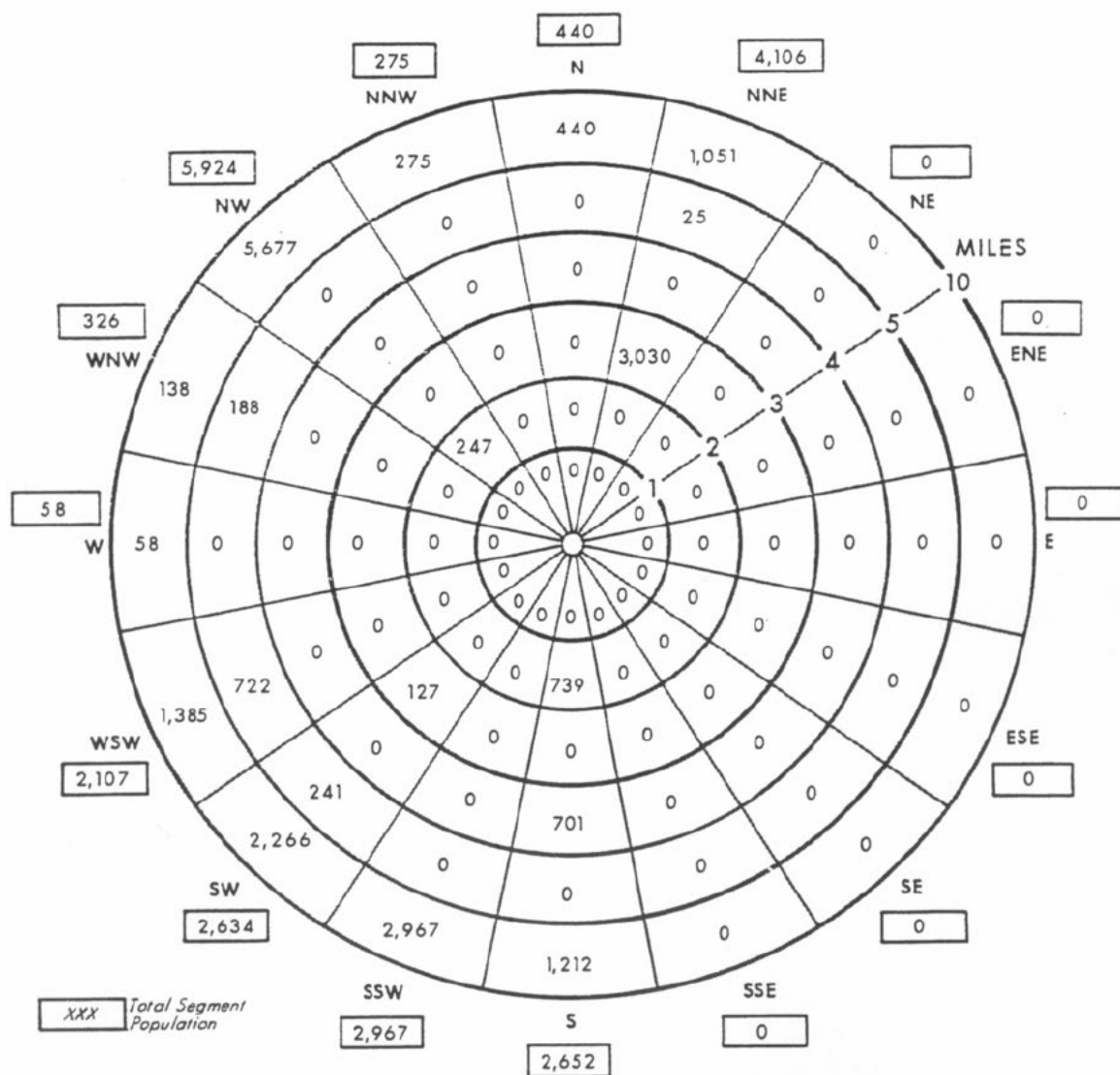
\*Population = On-Street Vehicle Parking Capacity x 3.2 Persons/Vehicle

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SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	Beach Area On-Street Parking Population Estimate – Daily Transients Only (0-10 Miles)	
		Figure 2.1-20



POPULATION TOTALS			
RING MILES	RING POPULATION	TOTAL MILES	CUMULATIVE POPULATION
0-1	0	0-1	0
1-2	1,750	0-2	1,750
2-3	88	0-3	1,838
3-4	294	0-4	2,132
4-5	1,415	0-5	3,547
5-10	6,707	0-10	10,254

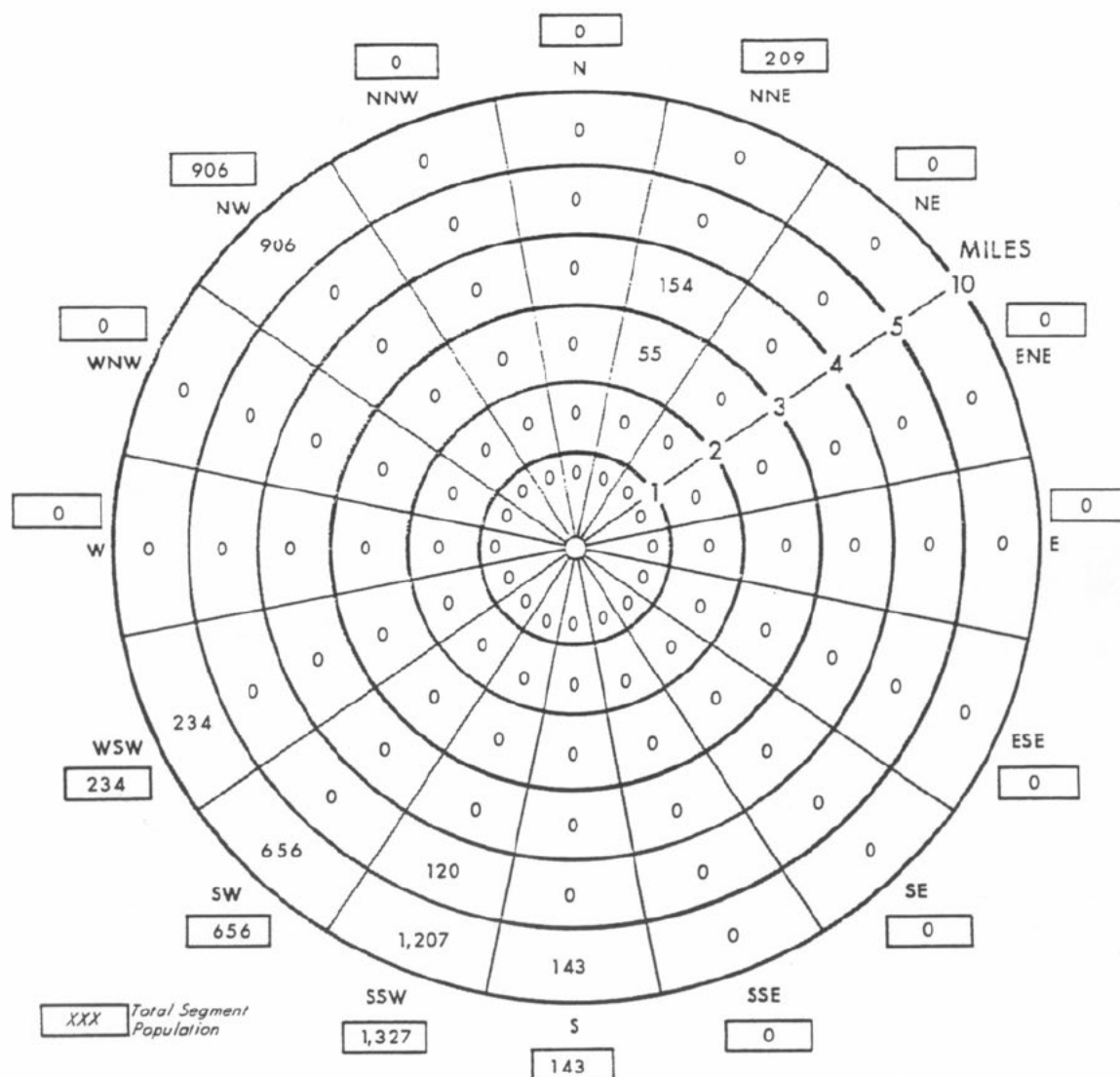


POPULATION TOTALS			
RING MILES	RING POPULATION	TOTAL MILES	CUMULATIVE POPULATION
0-1	0	0-1	0
1-2	986	0-2	986
2-3	3,157	0-3	4,143
3-4	701	0-4	4,844
4-5	1,176	0-5	6,020
5-10	15,469	0-10	21,489

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Estimated School Population (0-10 Miles)

Figure 2.1-22



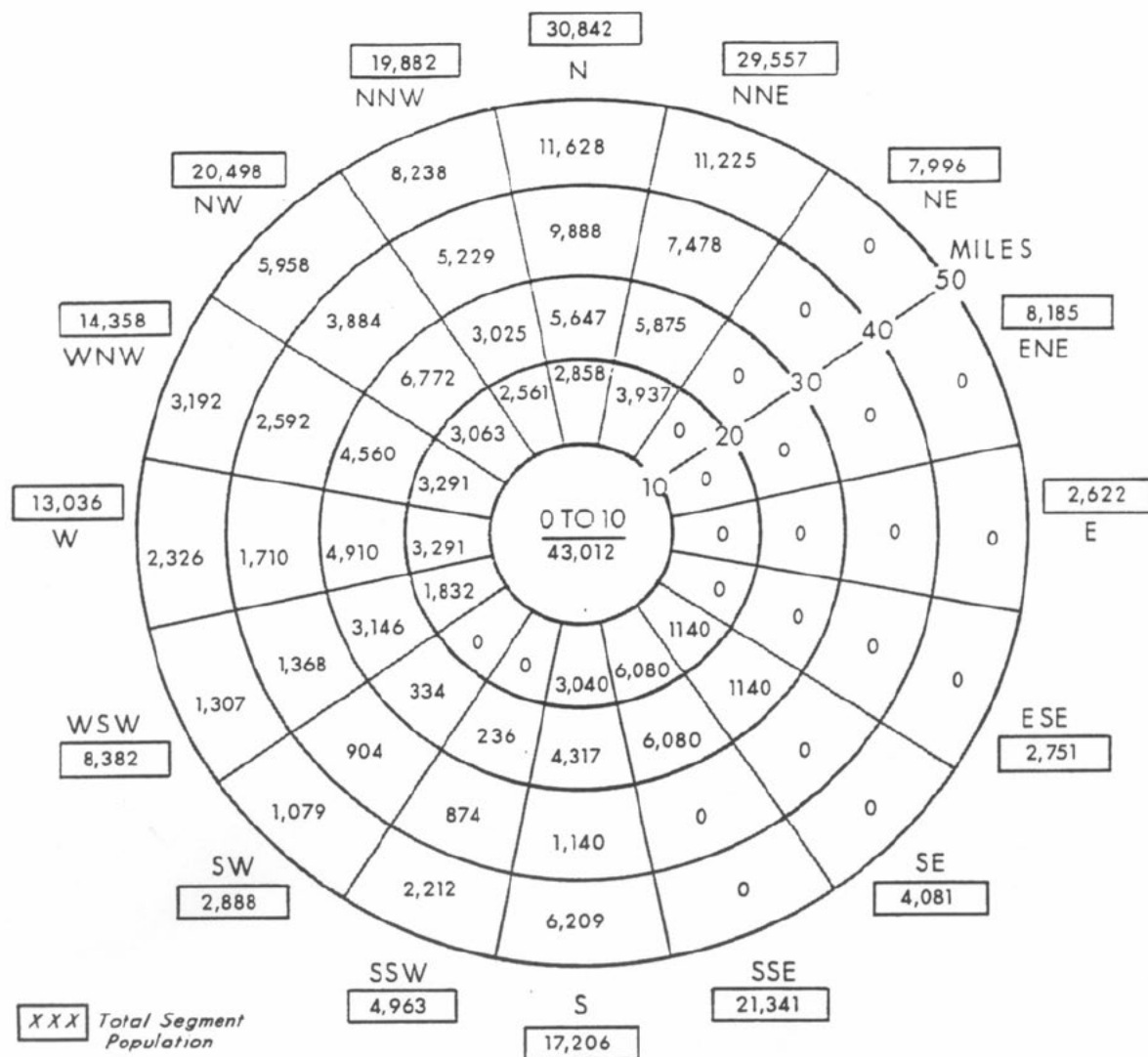
POPULATION TOTALS			
RING MILES	RING POPULATION	TOTAL MILES	CUMULATIVE POPULATION
0-1	0	0-1	0
1-2	0	0-2	0
2-3	55	0-3	55
3-4	154	0-4	209
4-5	120	0-5	329
5-10	3,146	0-10	3,475

SEABROOK STATION  
UPDATED FINAL SAFETY  
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Population Associated with Medical-Related Facilities  
(0-10 Miles)

Figure 2.1-23



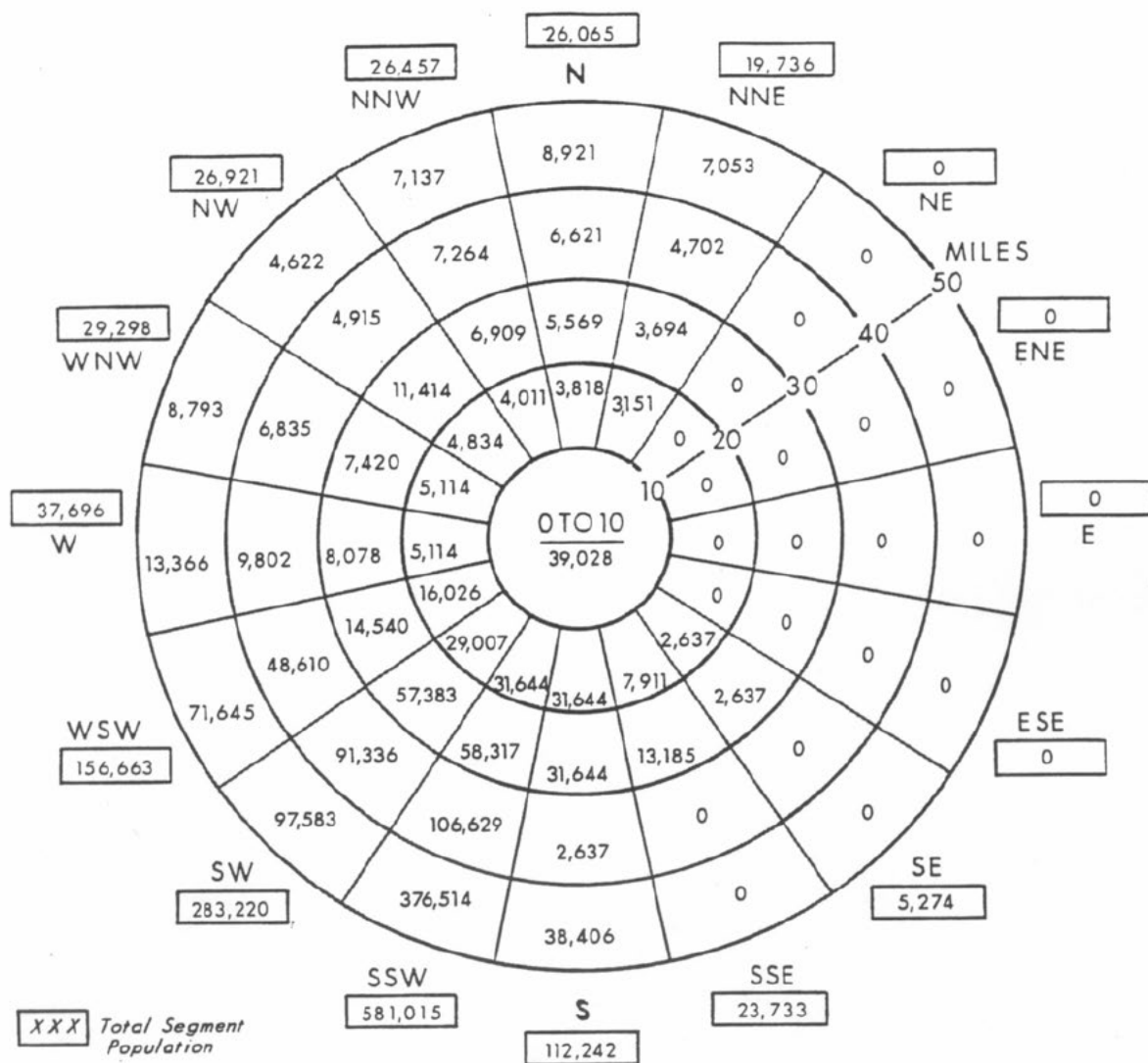


POPULATION TOTALS			
RING, MILES	RING POPULATION	TOTAL MILES	CUMULATIVE POPULATION
0-10	43,012	0-10	43,012
10-20	31,093	0-20	74,105
20-30	46,042	0-30	120,147
30-40	35,067	0-40	155,214
40-50	53,374	0-50	208,588

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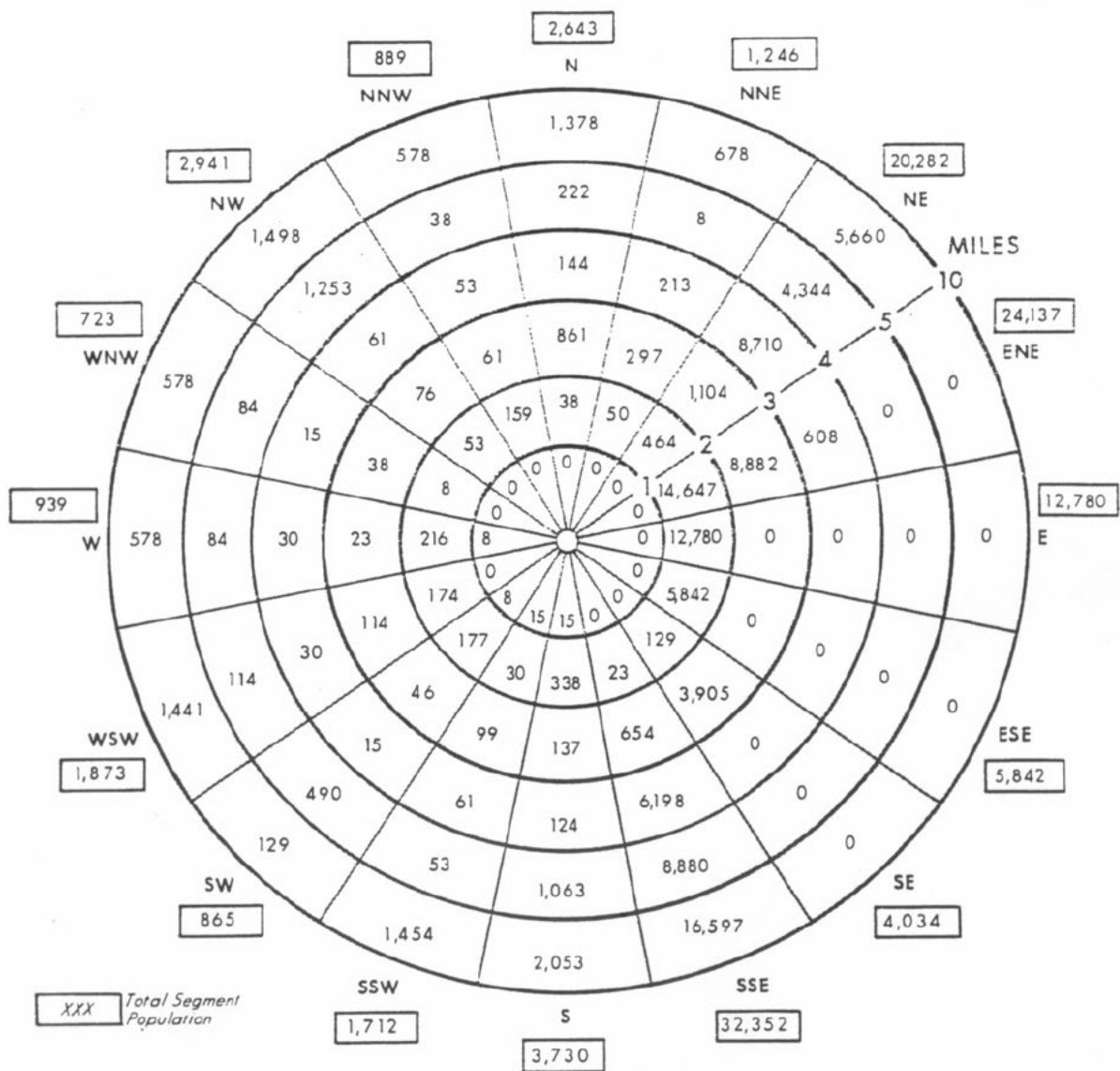
Seasonal Resident Population (0-50 Miles)

Figure 2.1-24



POPULATION TOTALS			
RING, MILES	RING POPULATION	TOTAL MILES	CUMULATIVE POPULATION
0-10	39,028	0-10	39,028
10-20	144,911	0-20	183,939
20-30	220,790	0-30	404,929
30-40	289,351	0-40	694,280
40-50	634,040	0-50	1,328,320

SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	Estimated 1970 Total Employment (0-50 Miles)	
		Figure 2.1-25

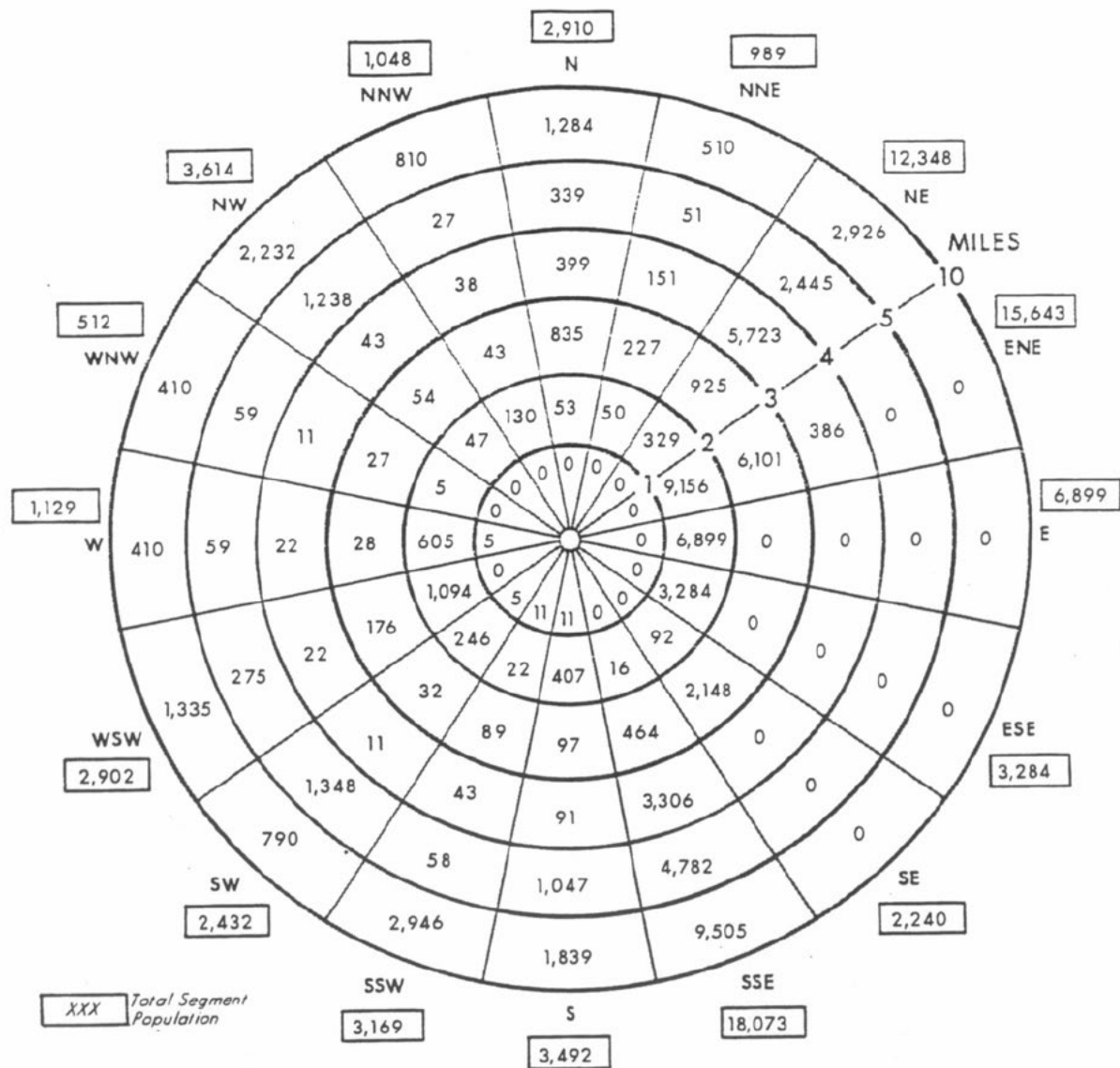


POPULATION TOTALS			
RING MILES	RING POPULATION	TOTAL MILES	CUMULATIVE POPULATION
0-1	46	0-1	46
1-2	35,128	0-2	35,174
2-3	16,297	0-3	51,471
3-4	16,262	0-4	67,733
4-5	16,633	0-5	84,366
5-10	32,622	0-10	116,988

SEABROOK STATION  
UPDATED FINAL SAFETY  
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1980 Peak Summer Weekend Transient Population  
(0-10 Miles)

Figure 2.1-26



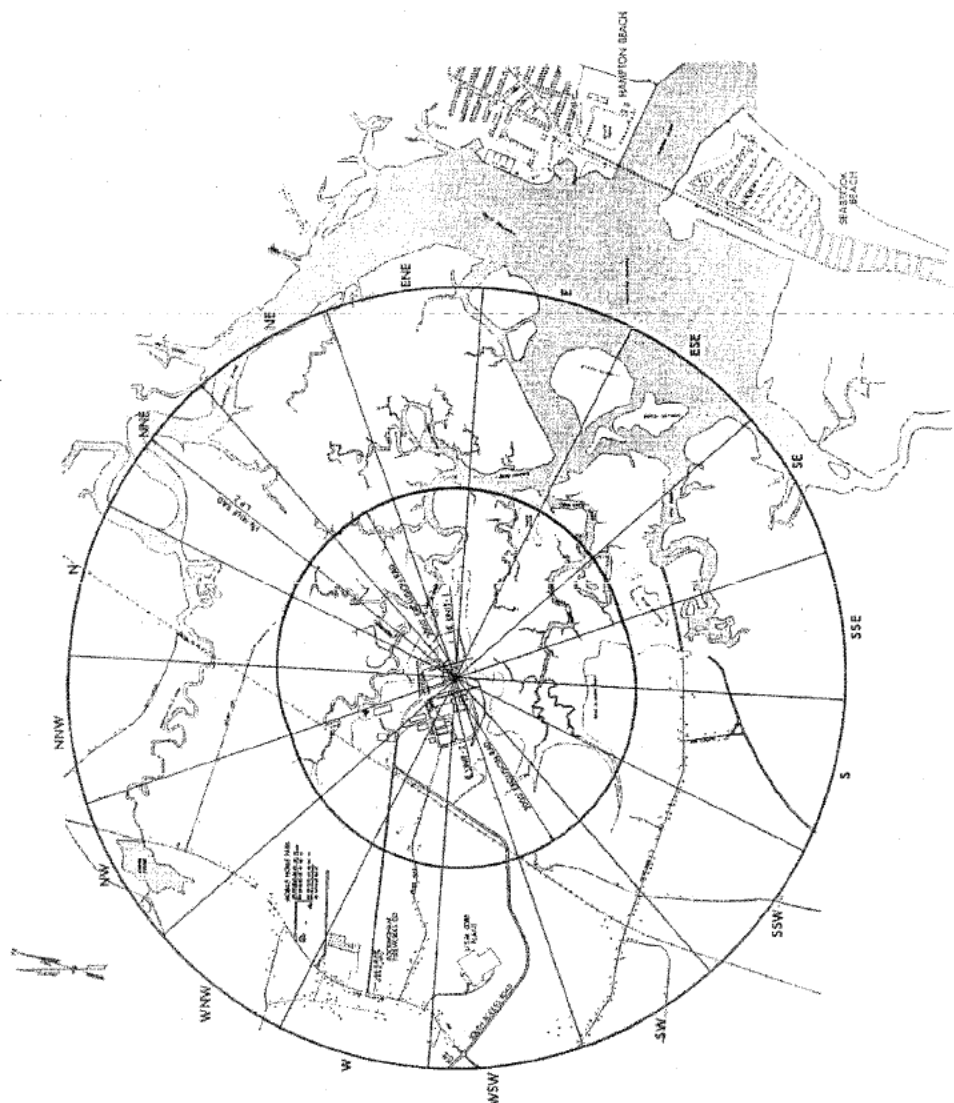
POPULATION TOTALS			
RING MILES	RING POPULATION	TOTAL MILES	CUMULATIVE POPULATION
0-1	32	0-1	32
1-2	22,435	0-2	22,467
2-3	11,246	0-3	33,713
3-4	10,246	0-4	43,959
4-5	11,728	0-5	55,687
5-10	24,997	0-10	80,684

SEABROOK STATION  
UPDATED FINAL SAFETY  
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1980 Peak Summer Weekday Transient Population  
(0-10 Miles)

Figure 2.1-27

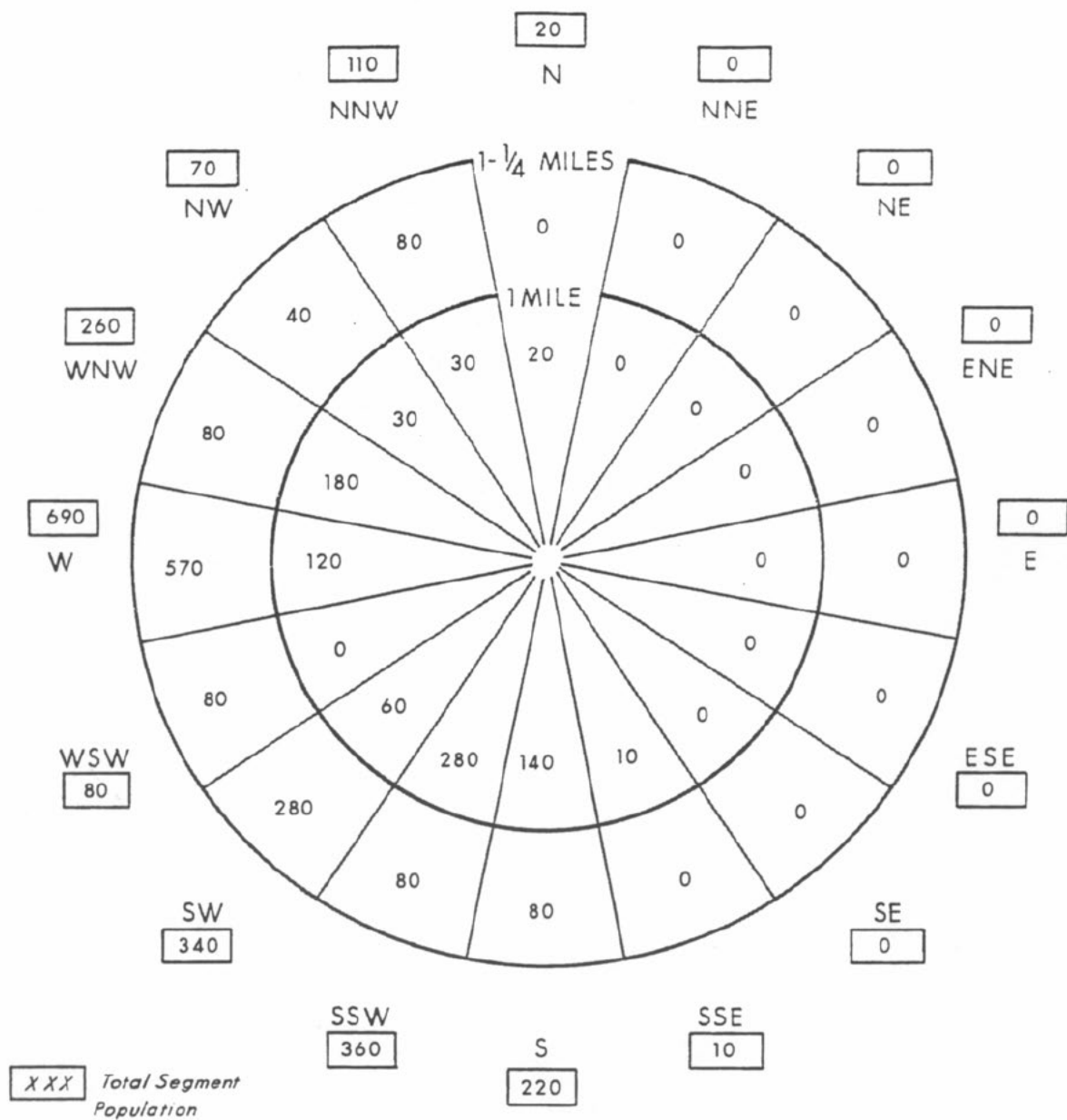




SEABROOK STATION  
UPDATED FINAL SAFETY  
ANALYSIS REPORT

Low Population Zone

Figure 2.1-28

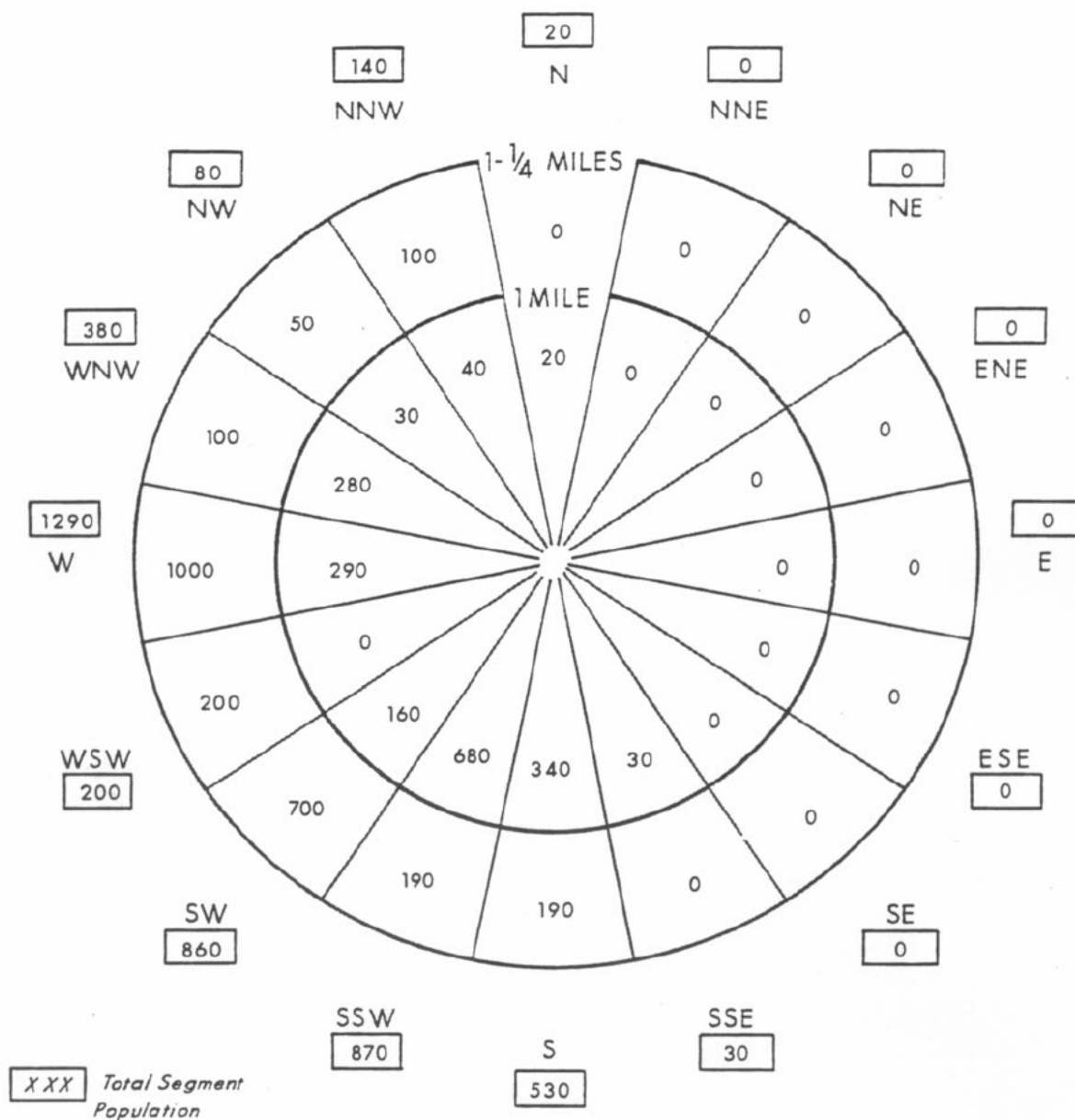


POPULATION TOTALS			
RING, MILES	RING POPULATION	TOTAL MILES	CUMULATIVE POPULATION
0-1	870	0-1	870
1-1.25	1,290	0-1.25	2,160

SEABROOK STATION  
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Projected 1983 Resident Population – Low Population Zone

Figure 2.1-29



POPULATION TOTALS			
RING, MILES	RING POPULATION	TOTAL MILES	CUMULATIVE POPULATION
0-1	1,870	0-1	1,870
1-1.25	2,530	0-1.25	4,400

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ANALYSIS REPORT

Projected 2025 Resident Population – Low Population Zone

Figure 2.1-30



