

Figure 1.3-1 Savannah River Site Map (Sheet 1 of 2)



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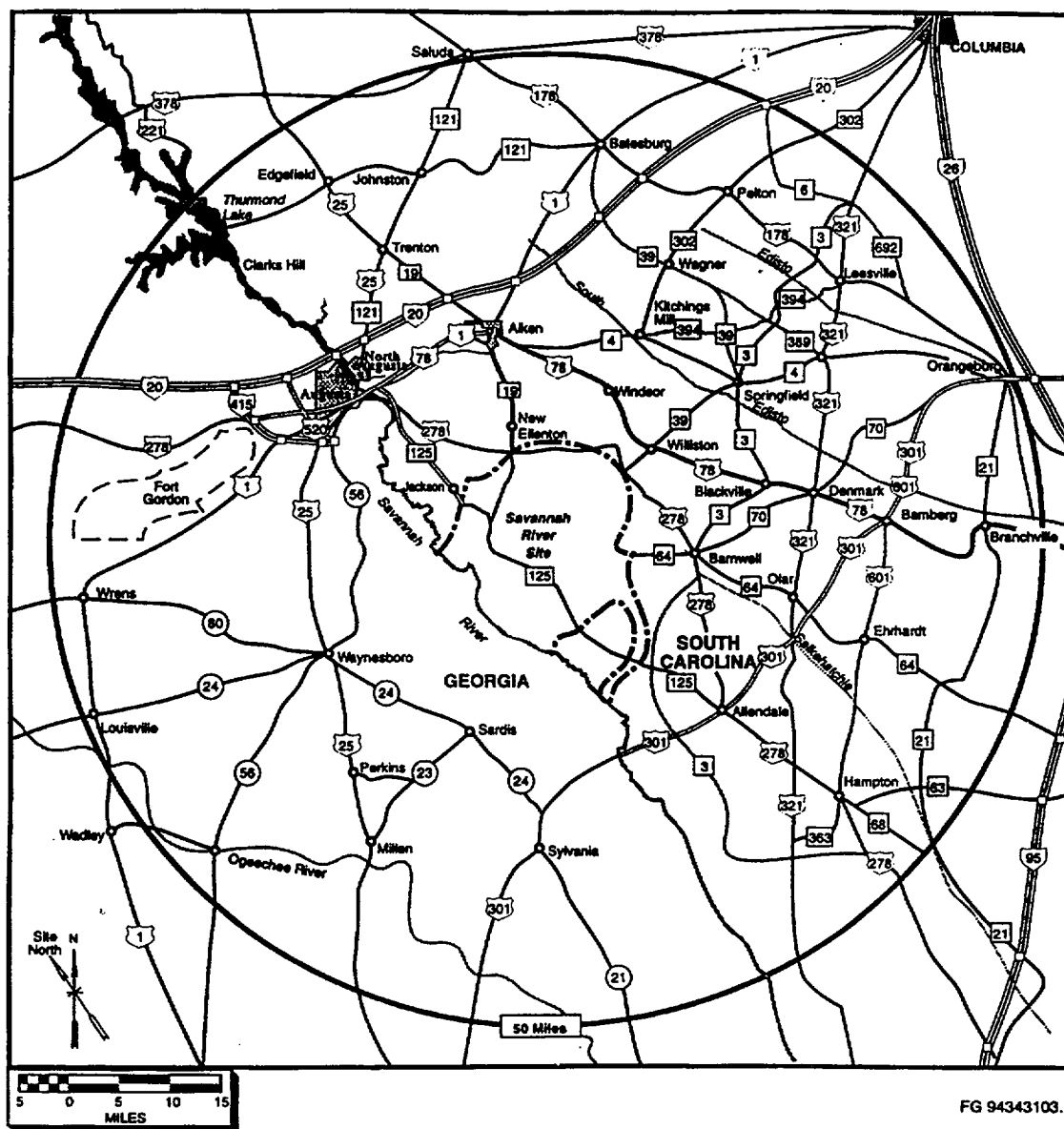


Figure 1.3-2 50-Mile Vicinity of SRS

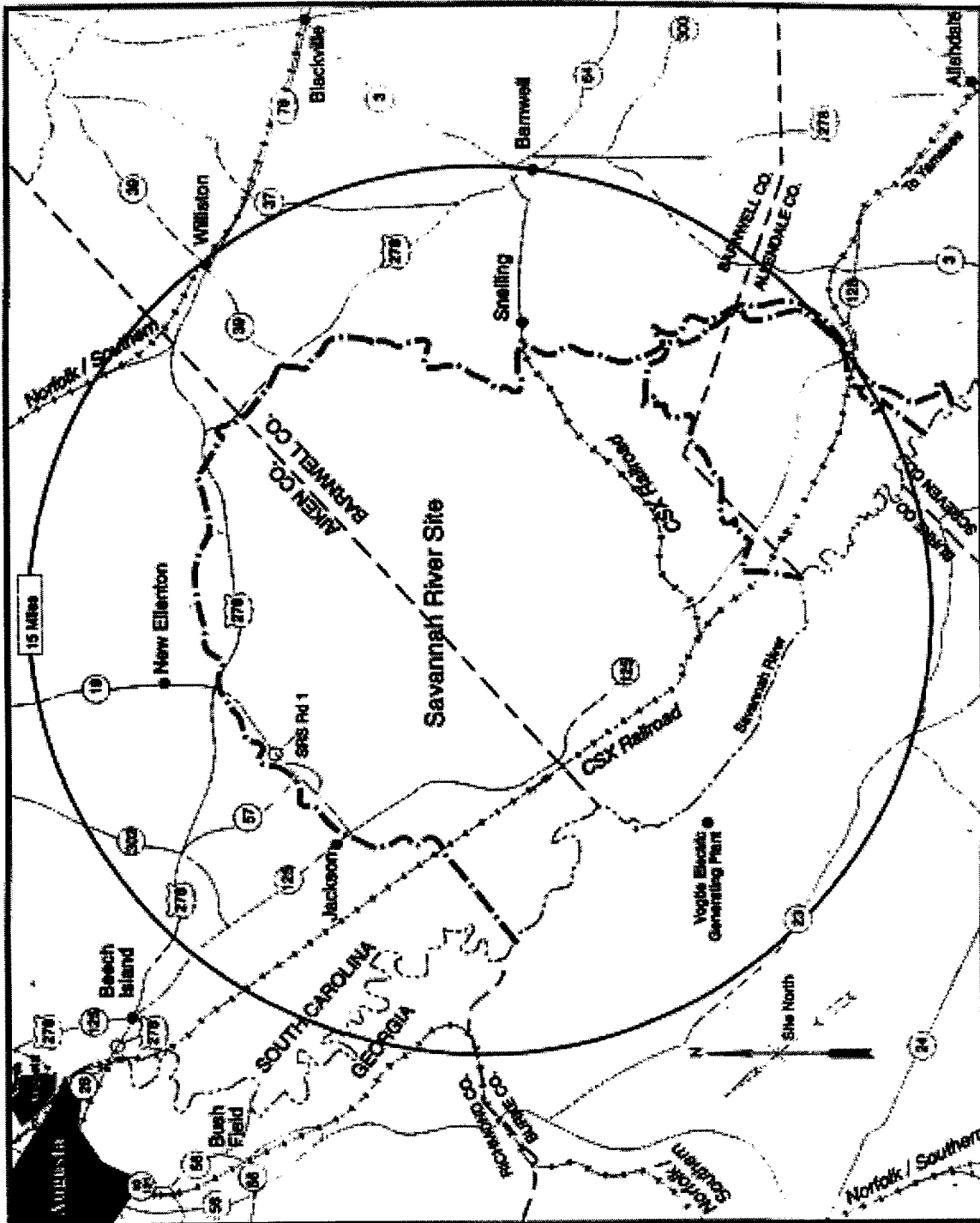


Figure 1.3-3 Map Showing 15-Mile Radius from SRS Center

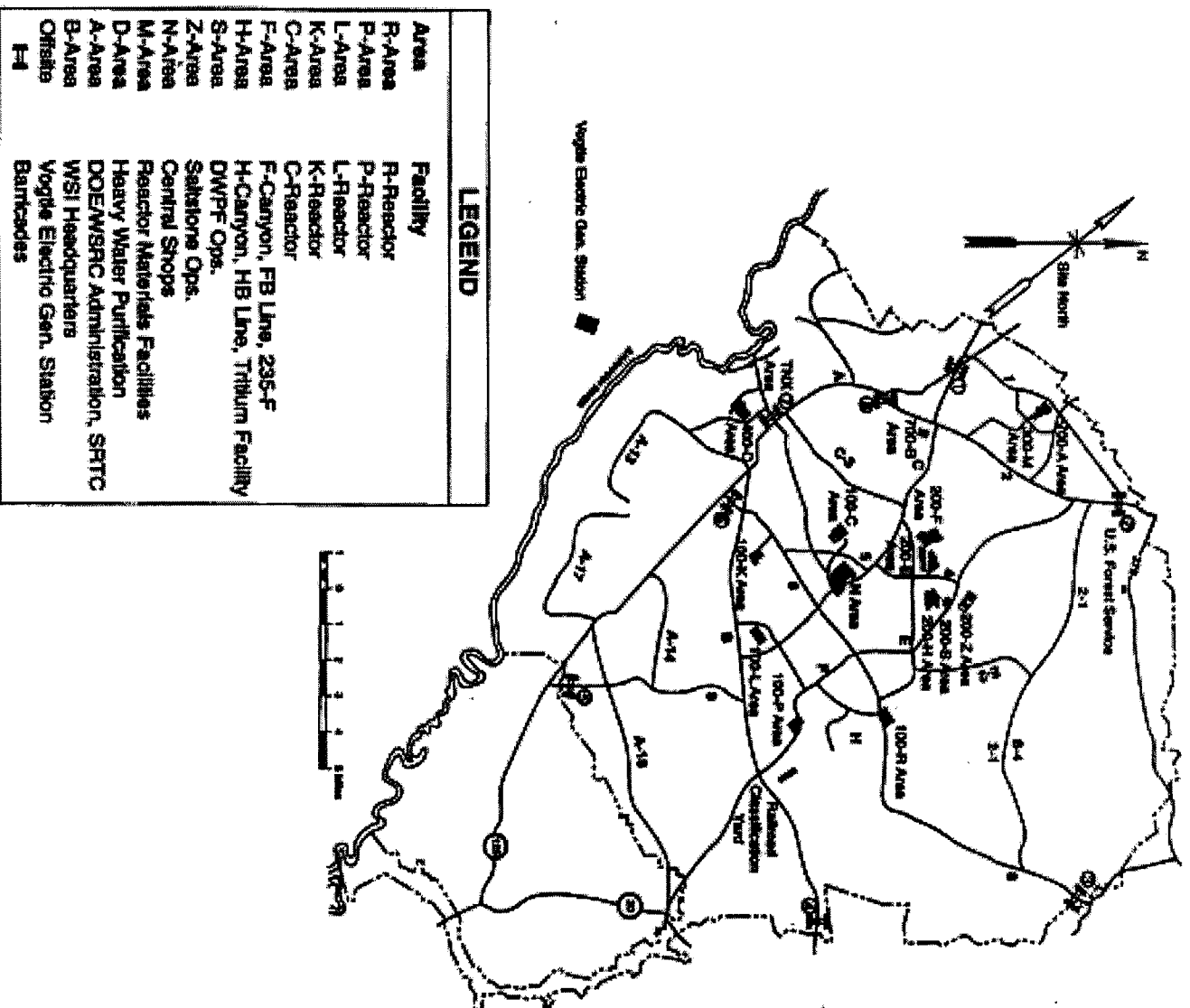
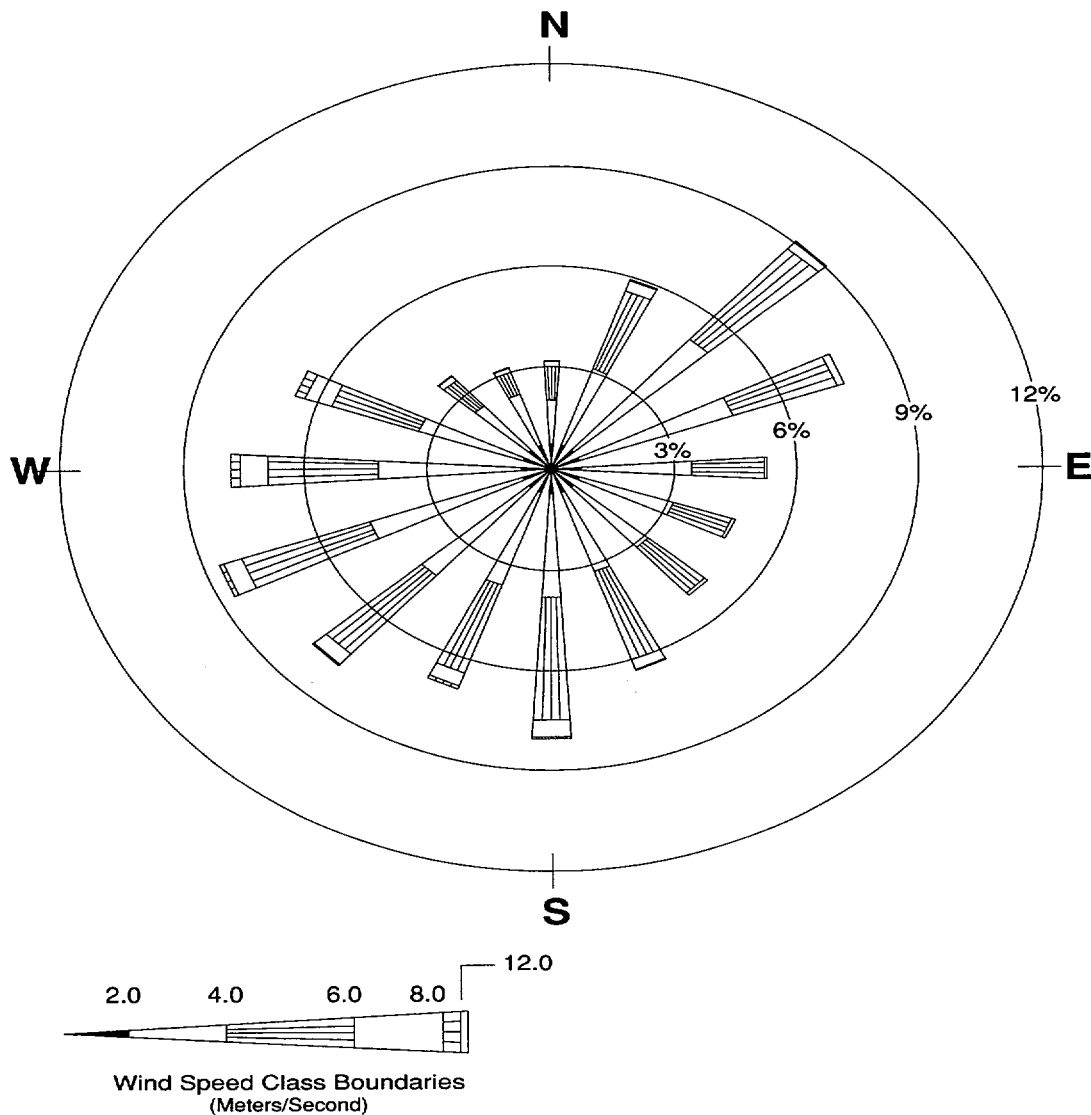


Figure 1.3-4 SRS Map Showing Key Facilities



Figure 1.3-5 Topographic Map of SRS



*Wind Rose for SRS, 1987-1991. The wind rose plot shows the percent of occurrence frequencies of wind direction and speed at SRS. The plot is based on hourly averaged wind data from the SRS meteorological tower network for the 5-year period 1987-1991. Measurements were taken 200 feet above the ground. Directions indicated are from which the wind blows.*

*Source: Environmental Report for 1996, WSRC-TR-97-0171*

Figure 1.3-6 Wind Rose Diagram for SRS





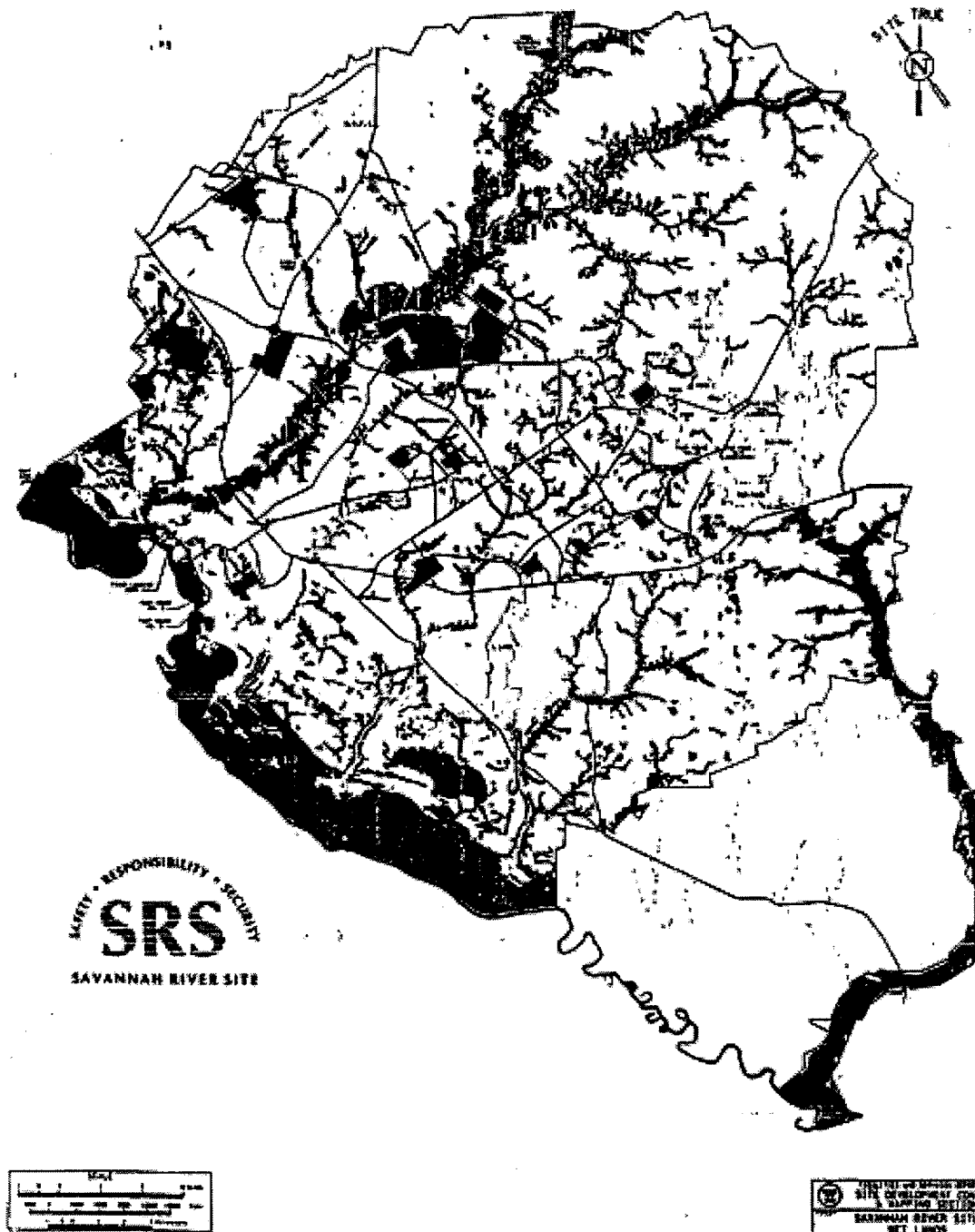


Figure 1.3-8 Major Rivers and Adjacent Wetland Areas

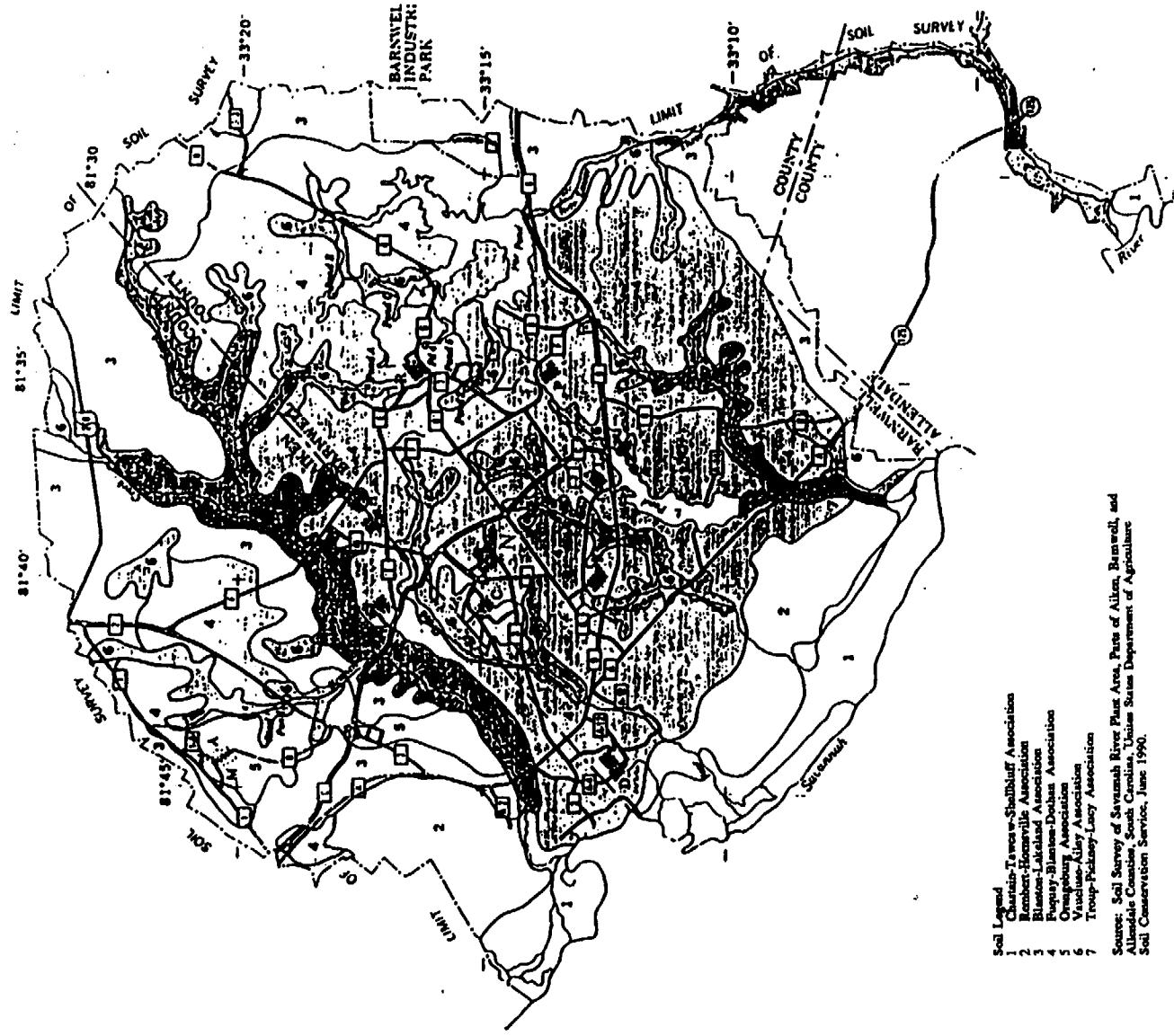


Figure 1.3-9 Soils Map of SRS

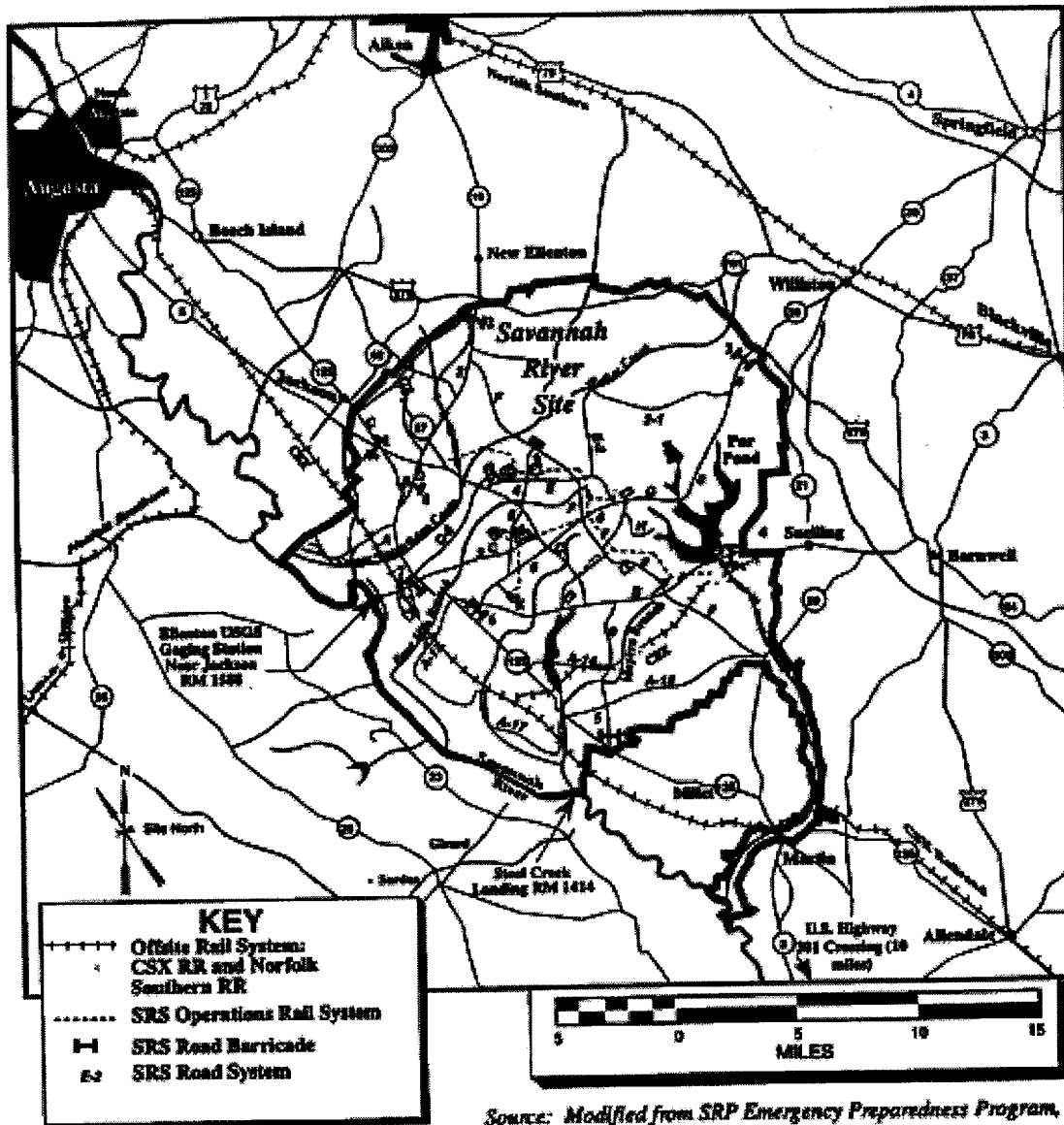


Figure 1.3-10 SRS Road System

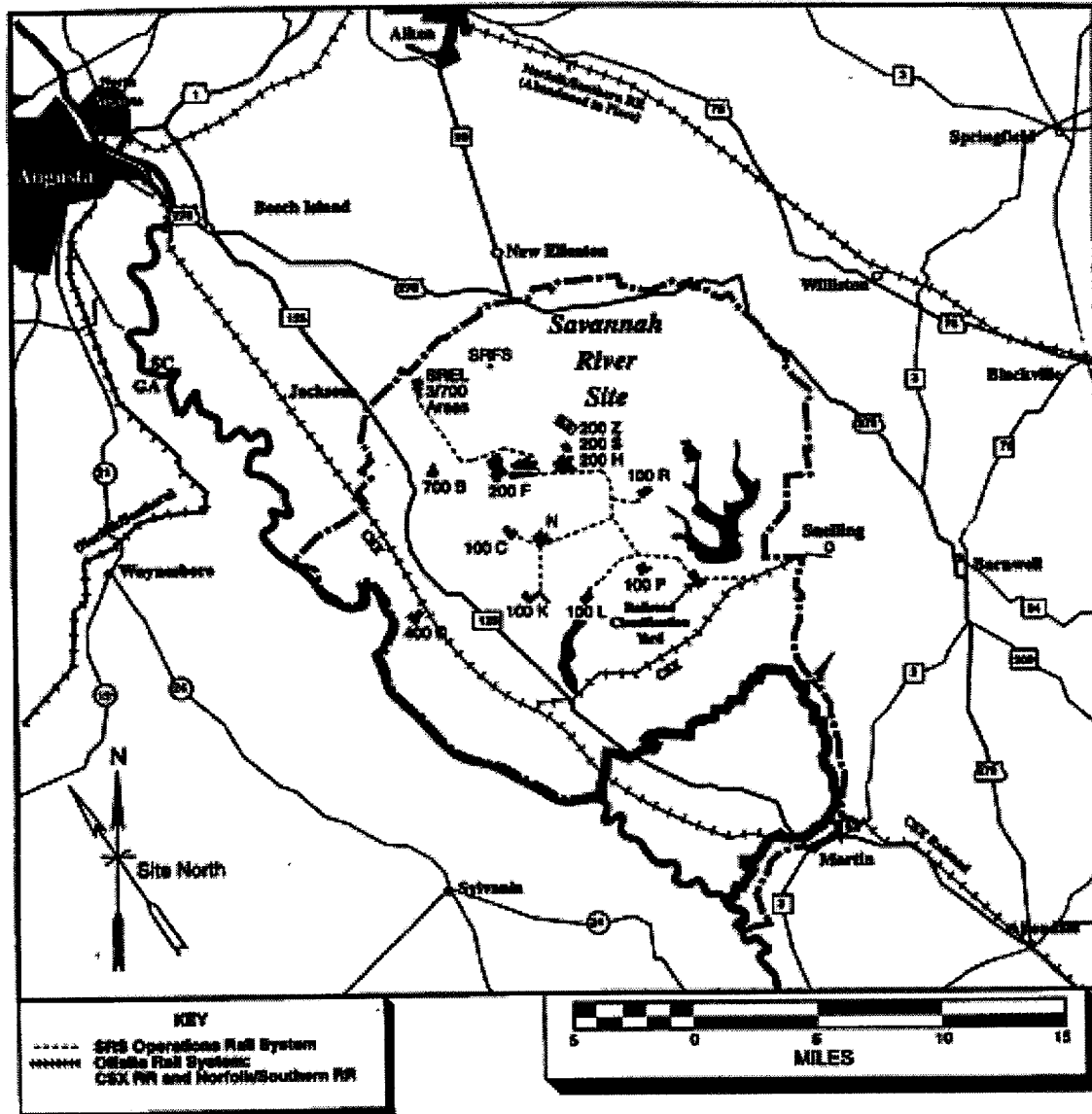


Figure 1.3-11 Railroad Network in the Vicinity of SRS

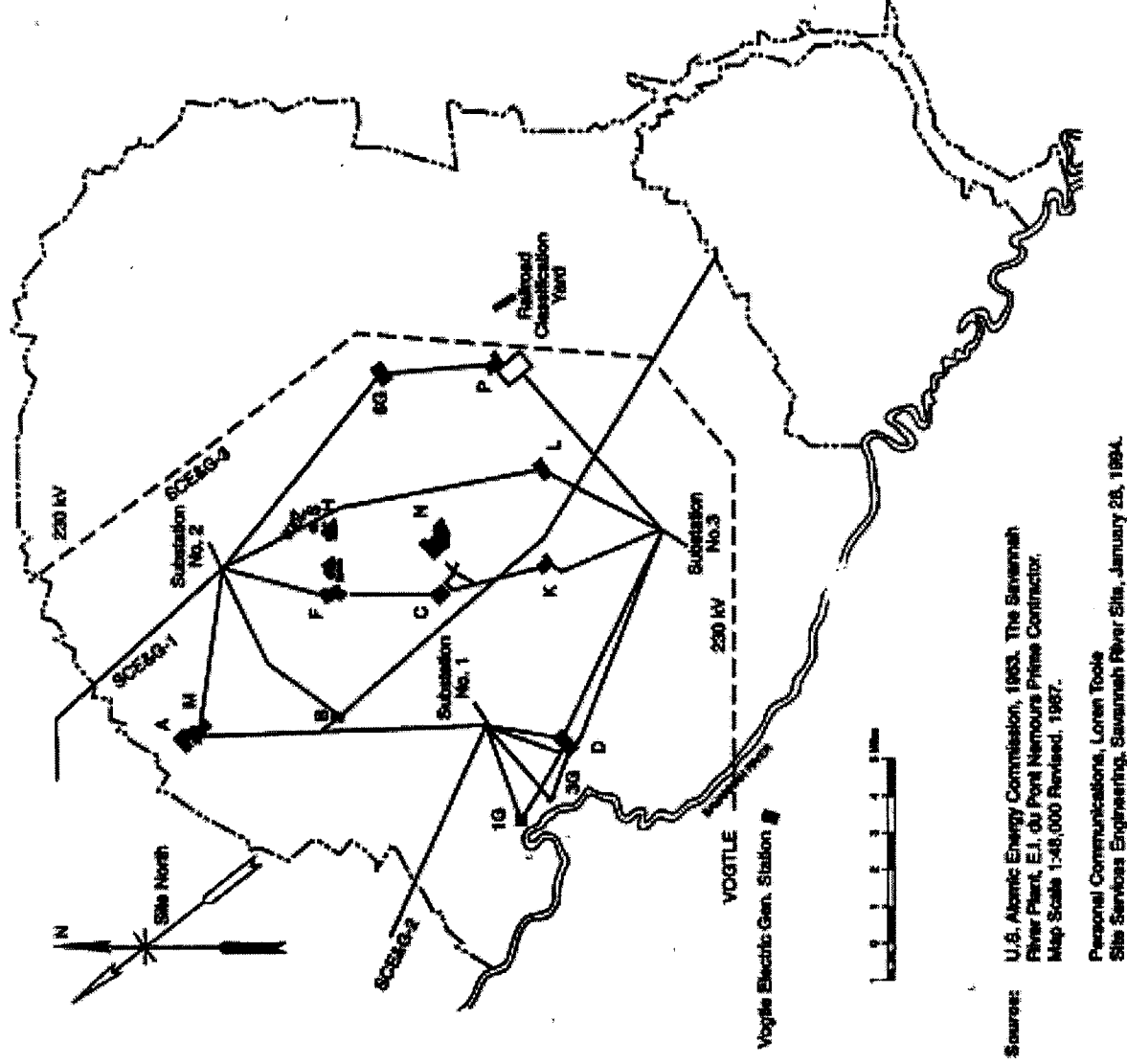
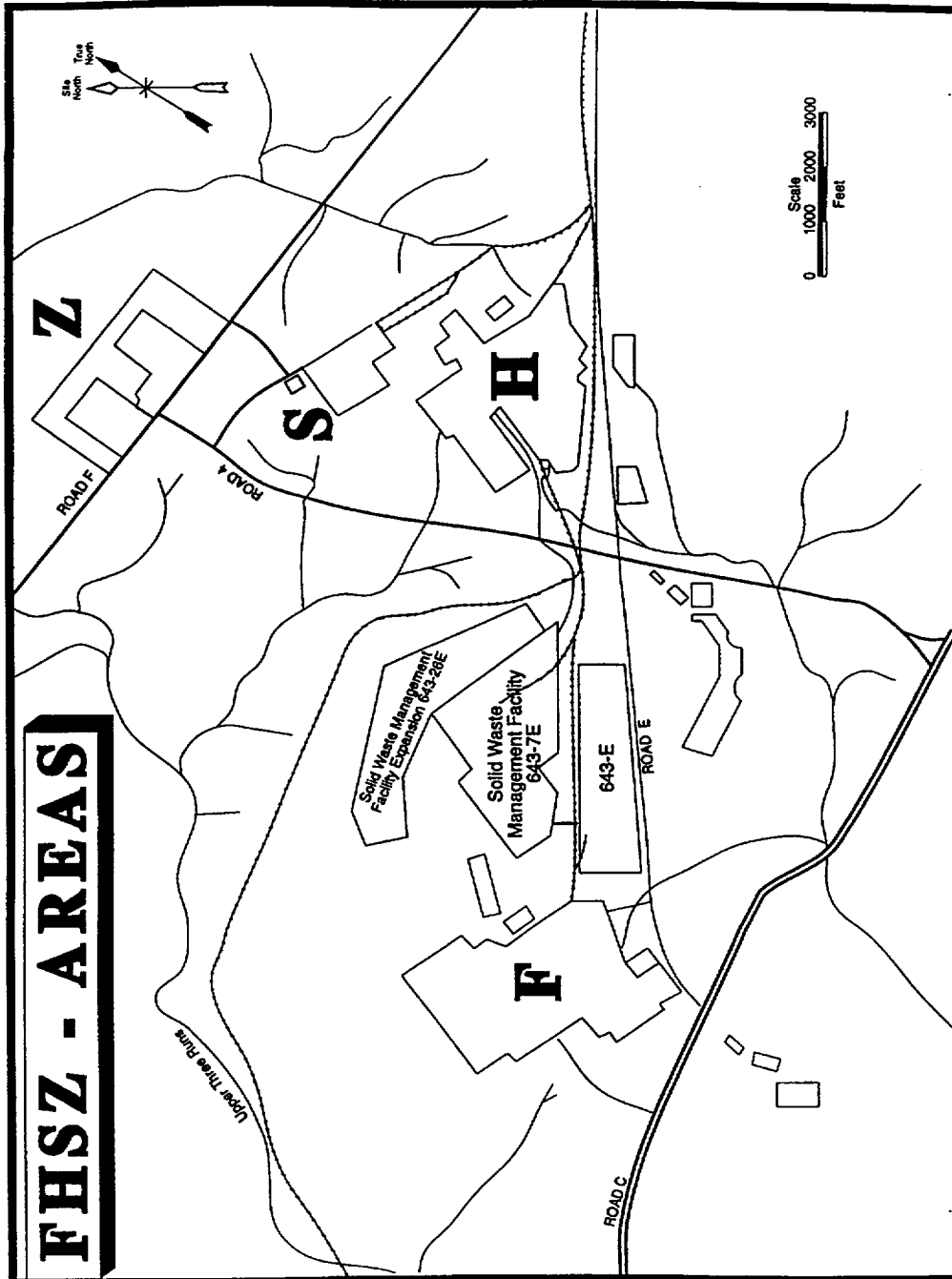


Figure 1.3-12 Electrical Transmission Lines



REFERENCE WSRC-RP-89-291

FA 94343110

Figure 1.3-13 F, H, S, and Z Area Map

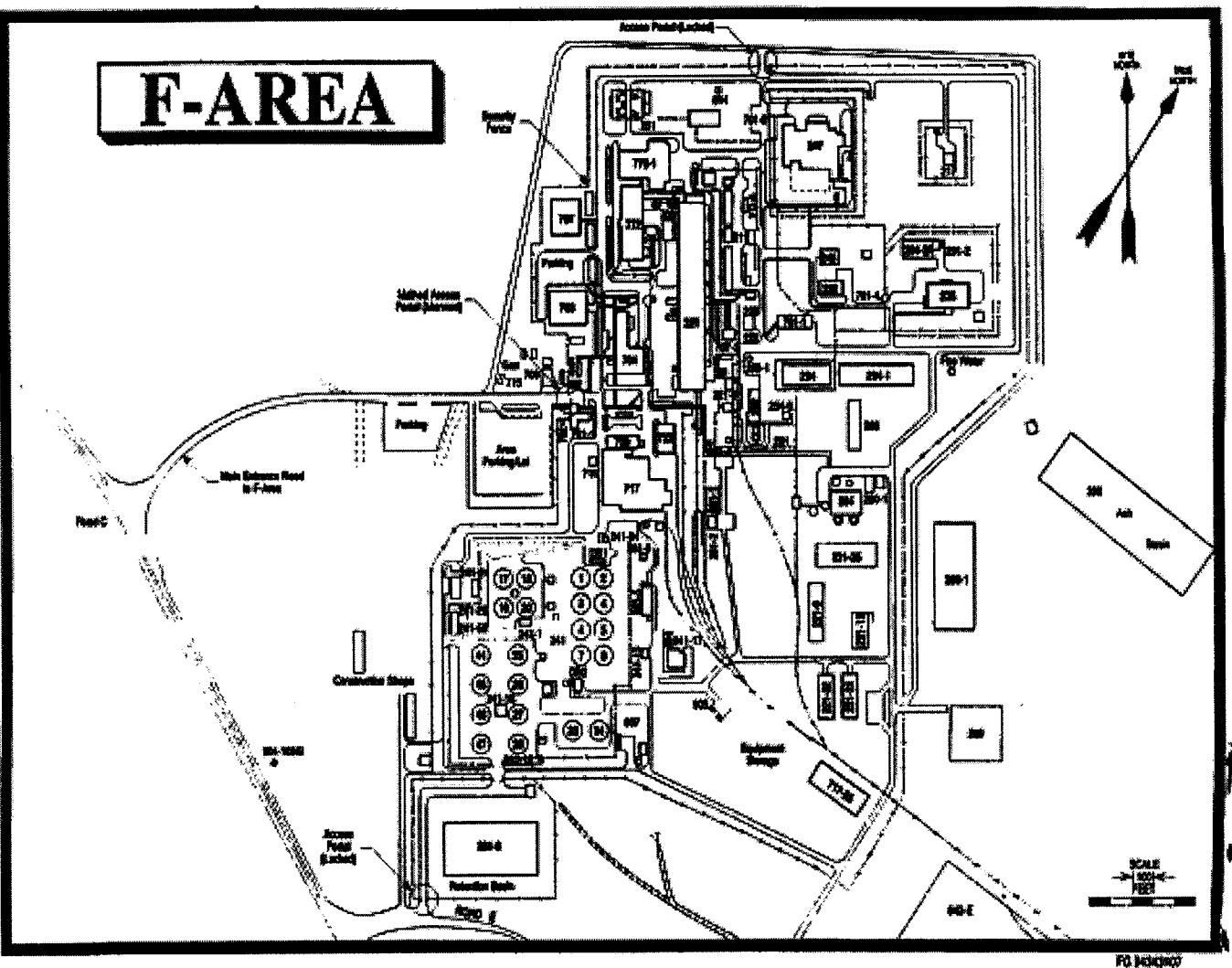


Figure 1.3-14 F-Area Map



Figure 1.3-15 Topographic Map of F Area and Surrounding Area



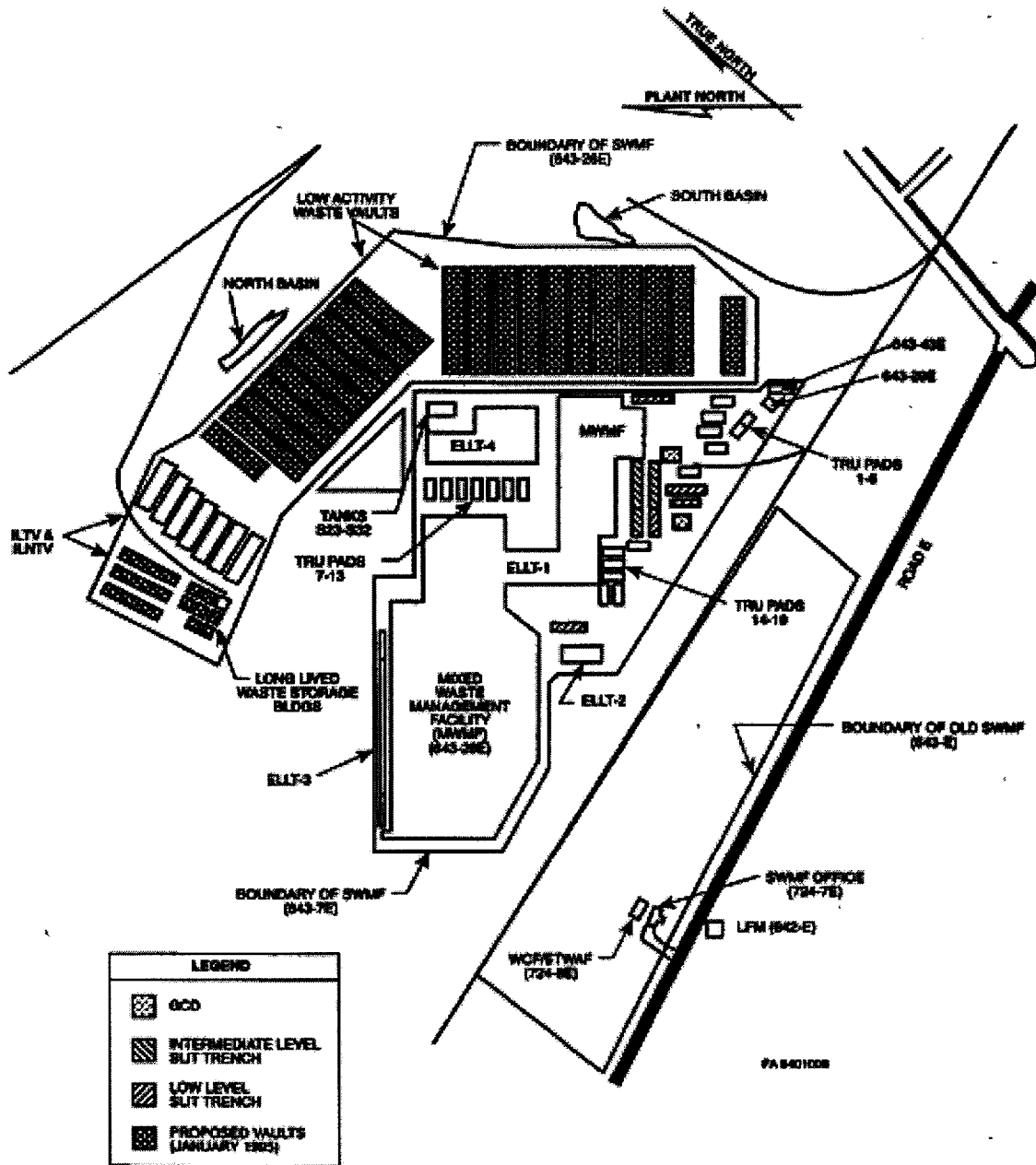
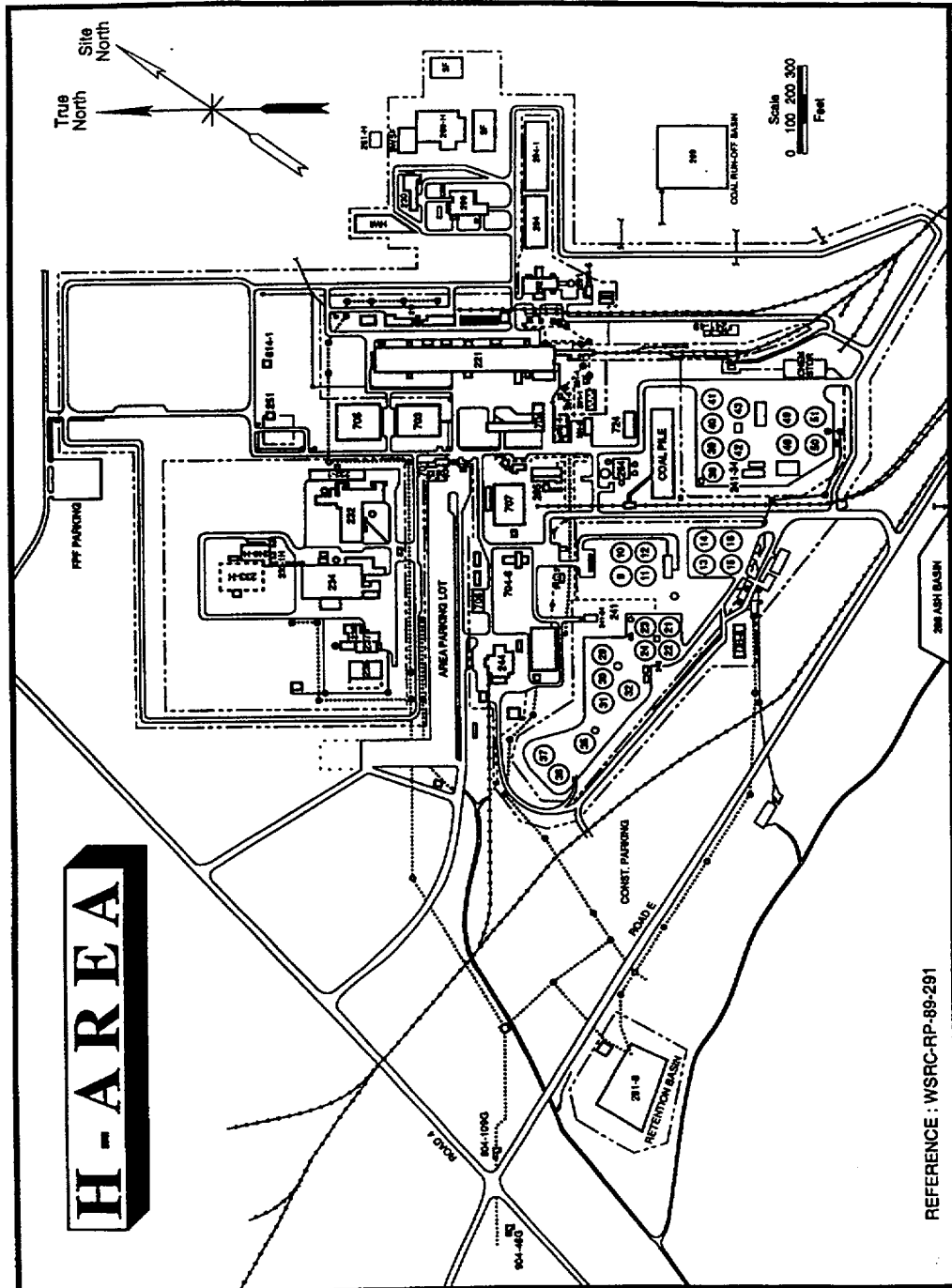


Figure 1.3-16 Solid Waste Management Facilities



FA 90-83105

REFERENCE : WSRC-RP-89-291

Figure 1.3-17 H-Area Map



Contour Interval - 10 ft., 1-mile Radius, Scale 1:24000

Source: USGS, New Ellenton, SC, 7 1/2 min. topographic map, photo revised 1981.

Figure 1.3-18 Topographic Map of H Area

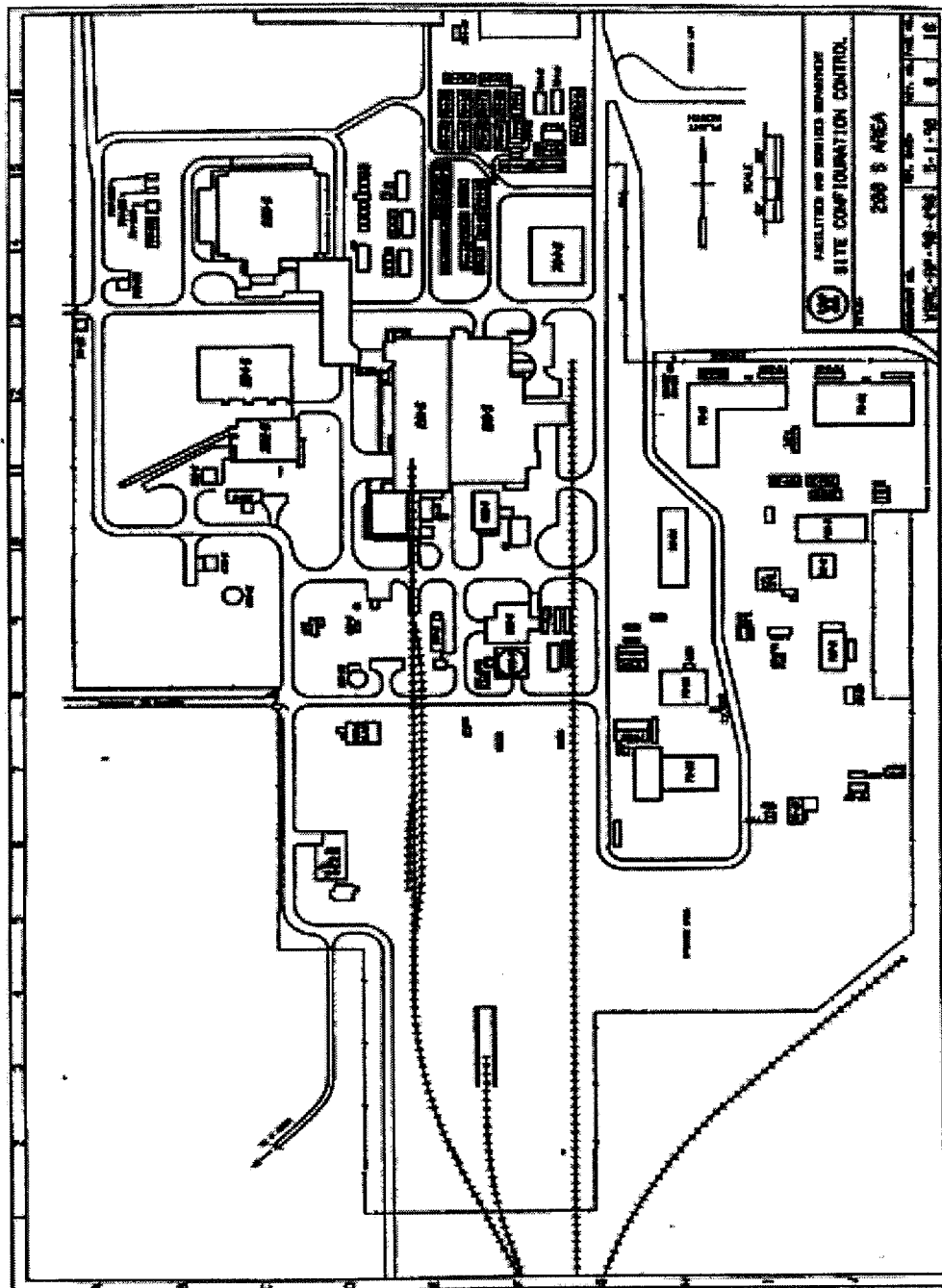


Figure 1.3-19 S-Area Map

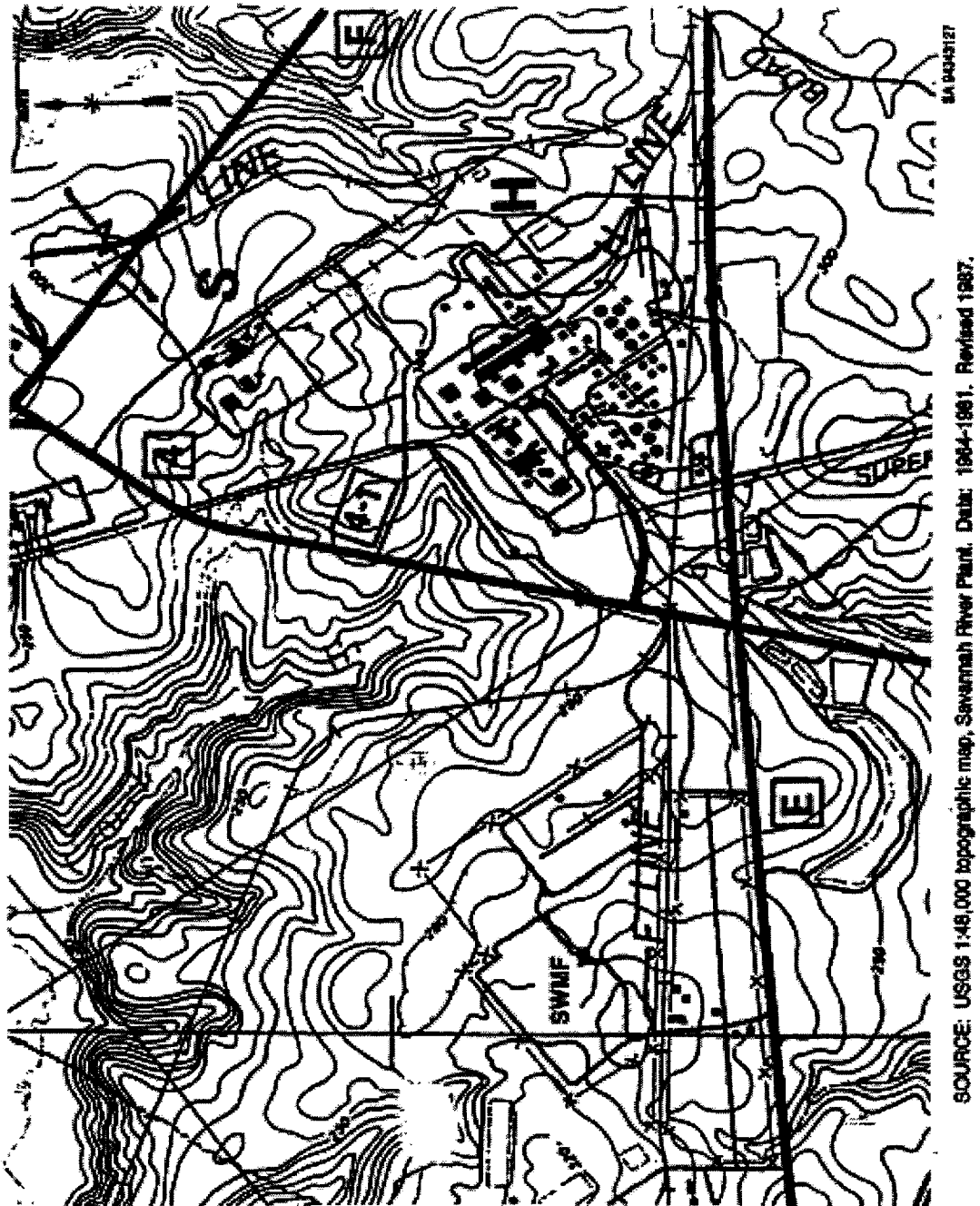


Figure 1.3-20 Topographic Map of S Area

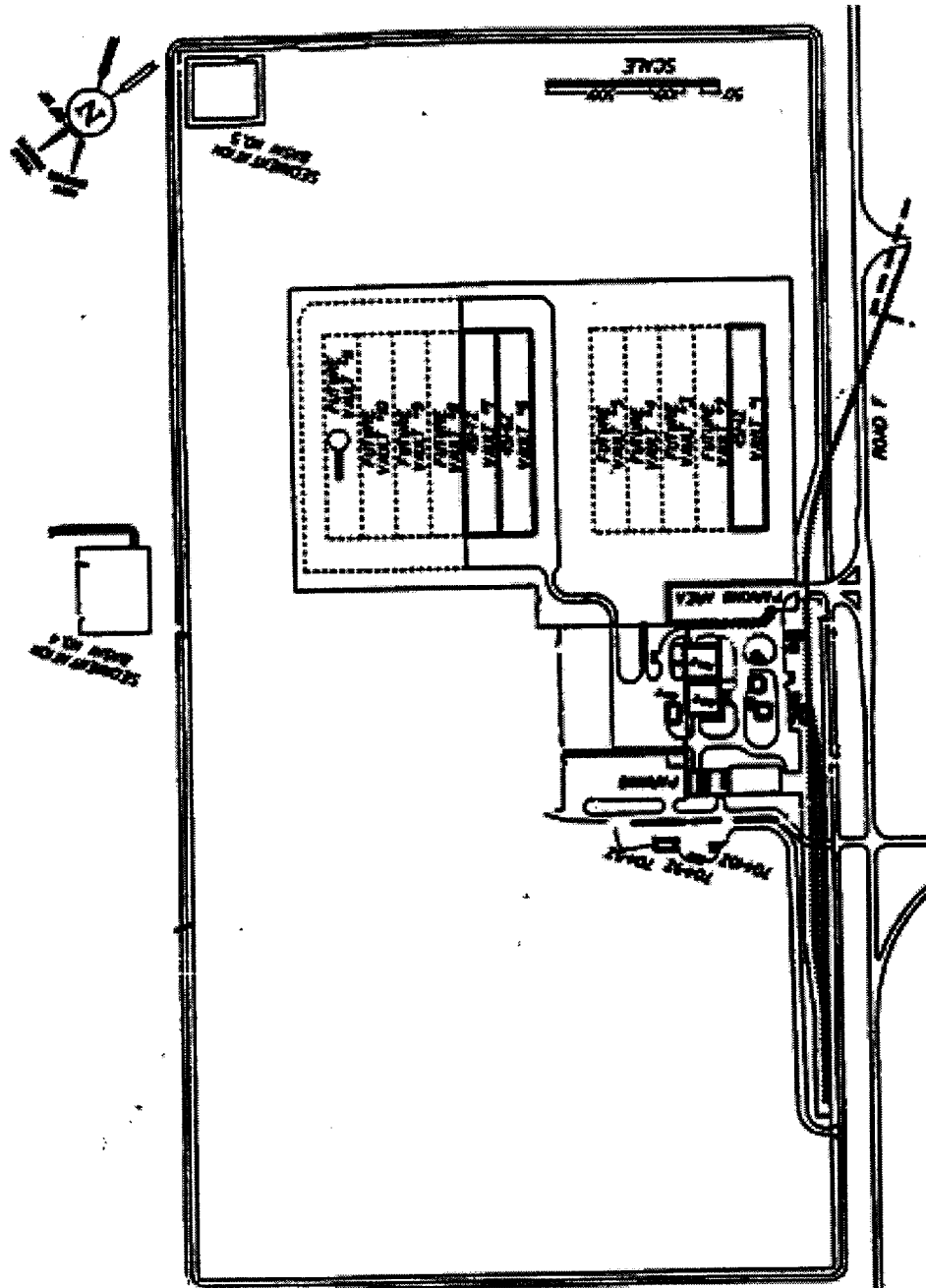


Figure 1.3-21 Z-Area Map (April 1994)

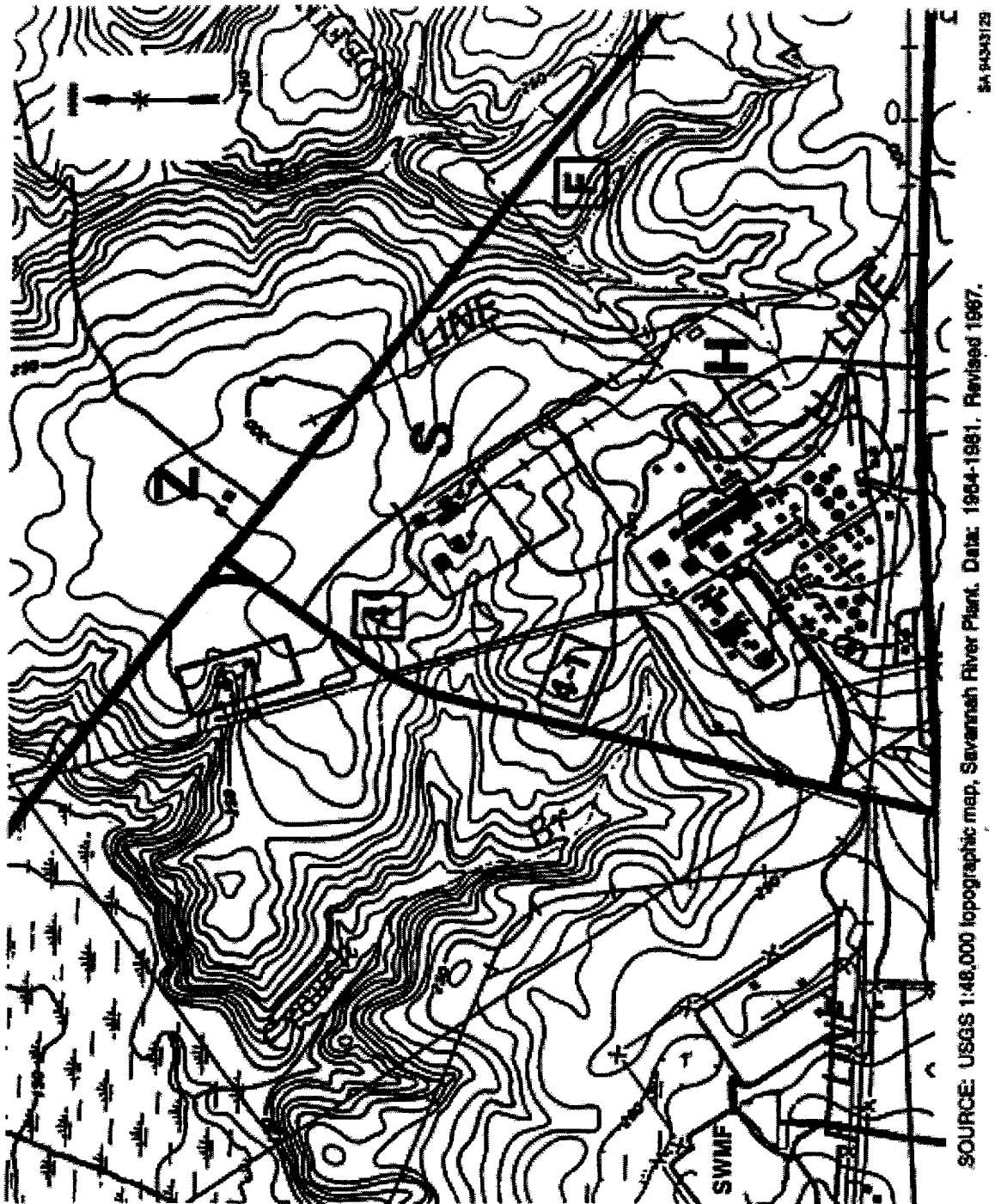


Figure 1.3-22 Topographic Map of Z Area

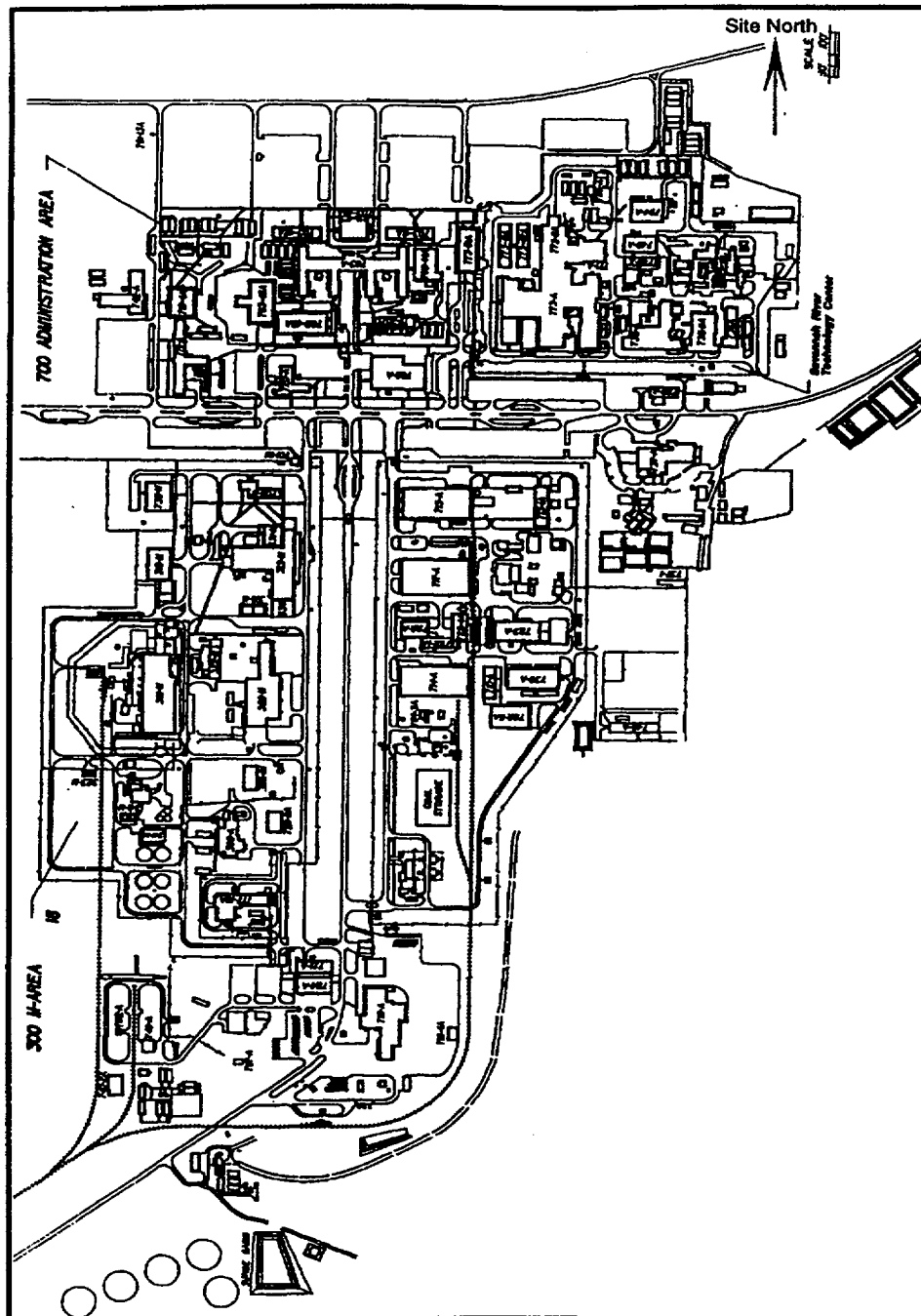


Figure 1.3-23 300-M and 700-A Area Map (Sheet 1)

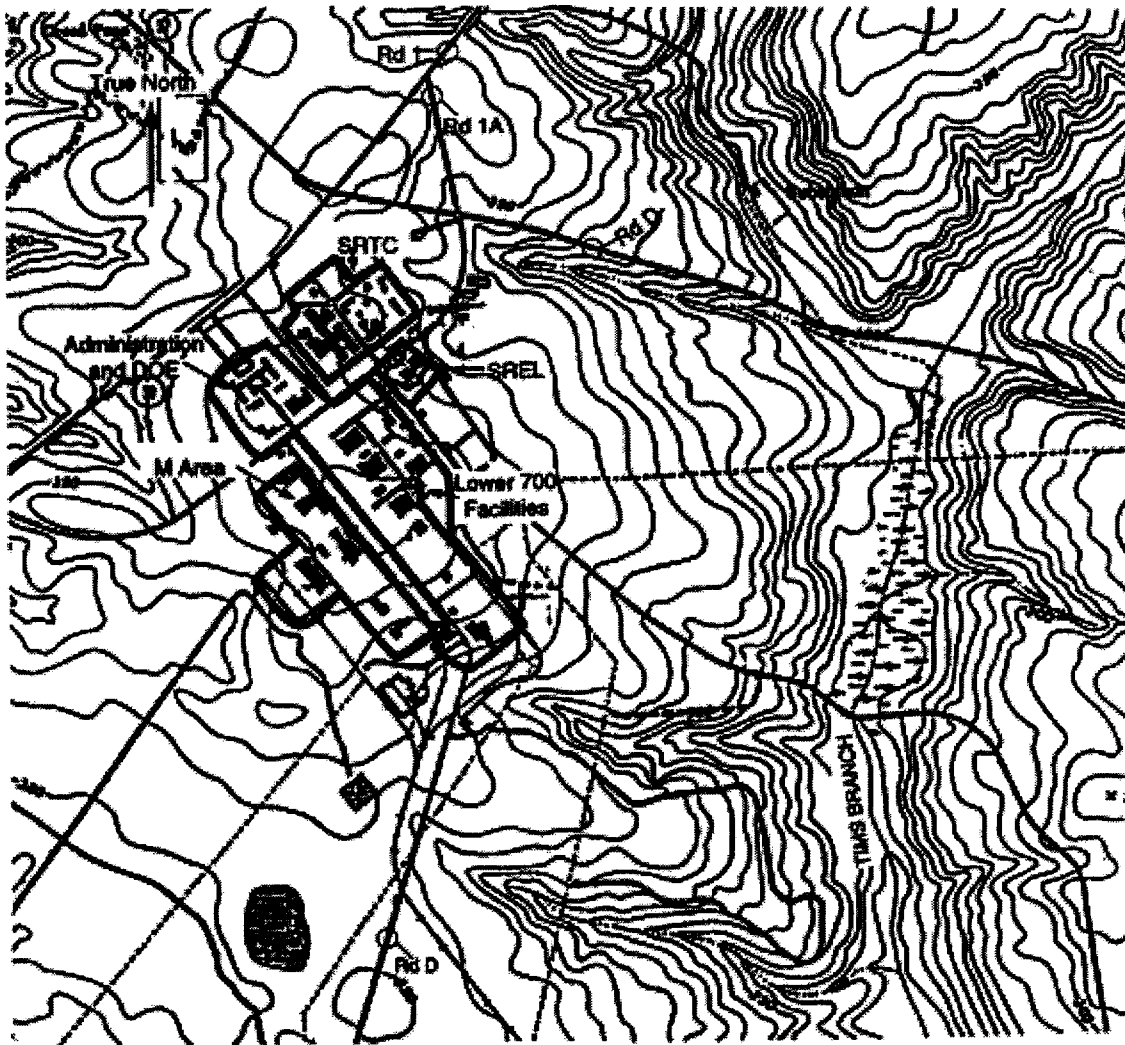




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SOURCE: USGS 7.5 min. topographic map, New Ellenton SW, SC Quadrangle.  
Photo Revised 1981. Scale 1:24,000

Figure 1.3-24 Topographic Map of A and M Areas and SRTC

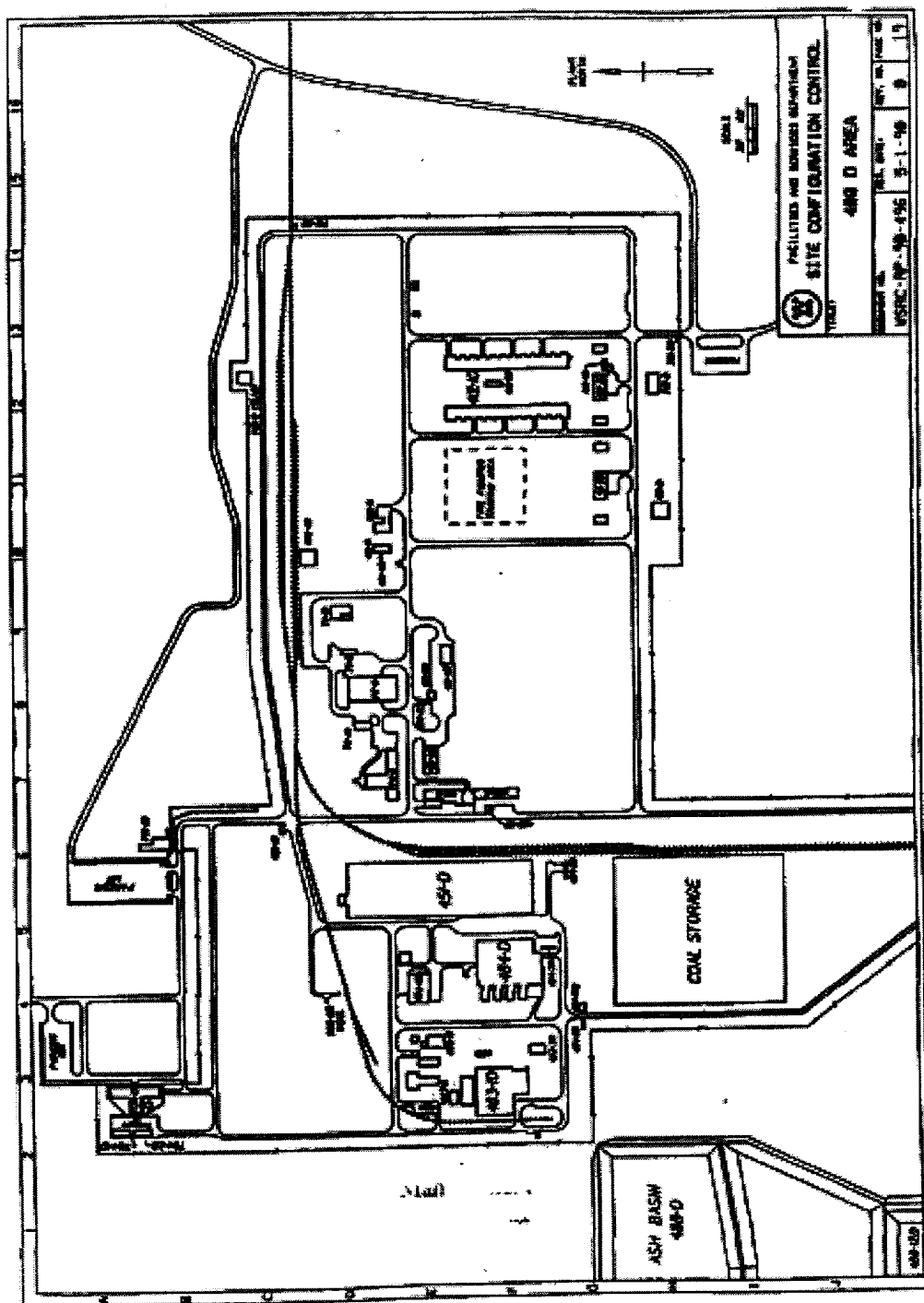


Figure 1.3-25 D-Area Map

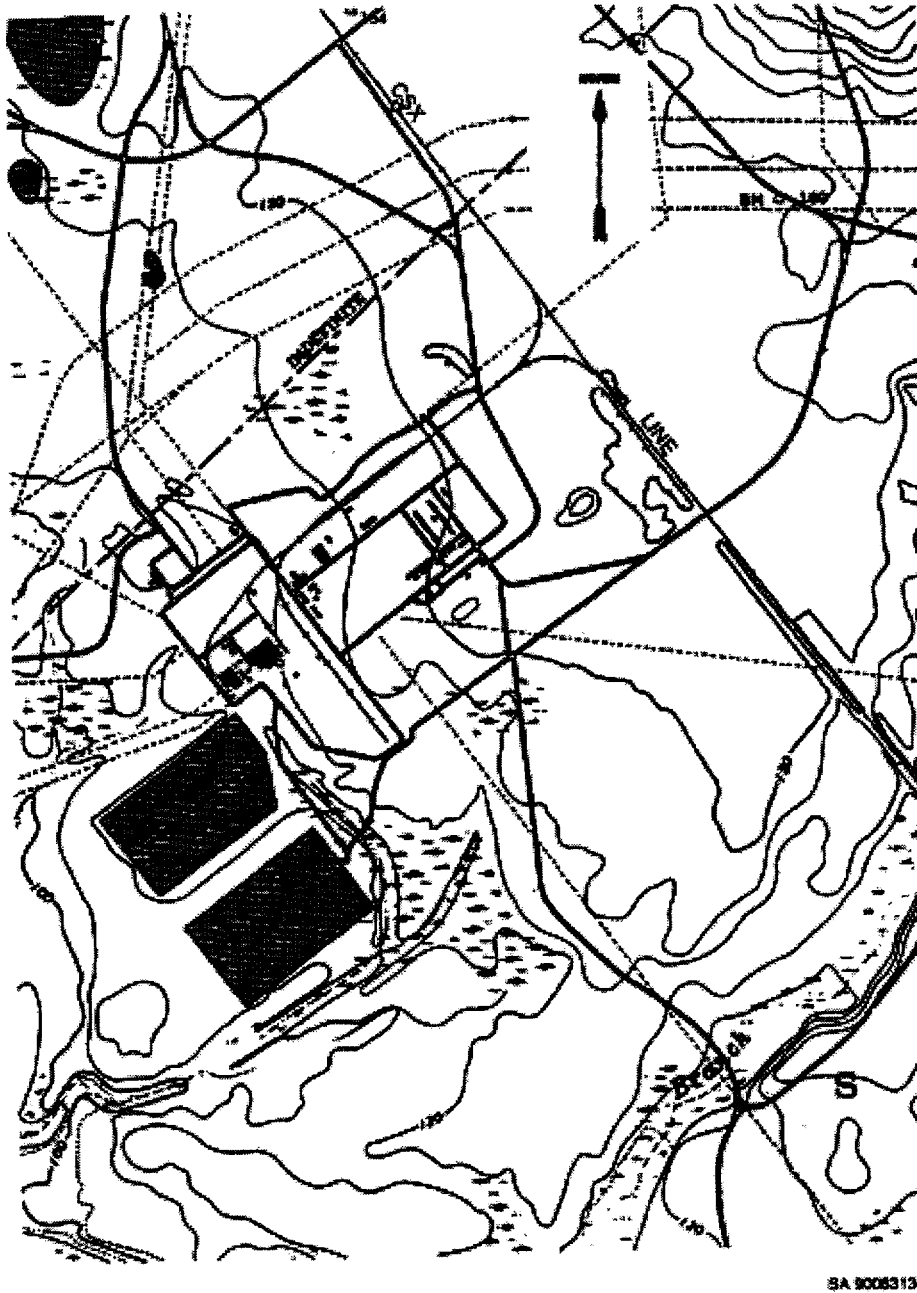


Figure 1.3-26 Topographic Map of D Area

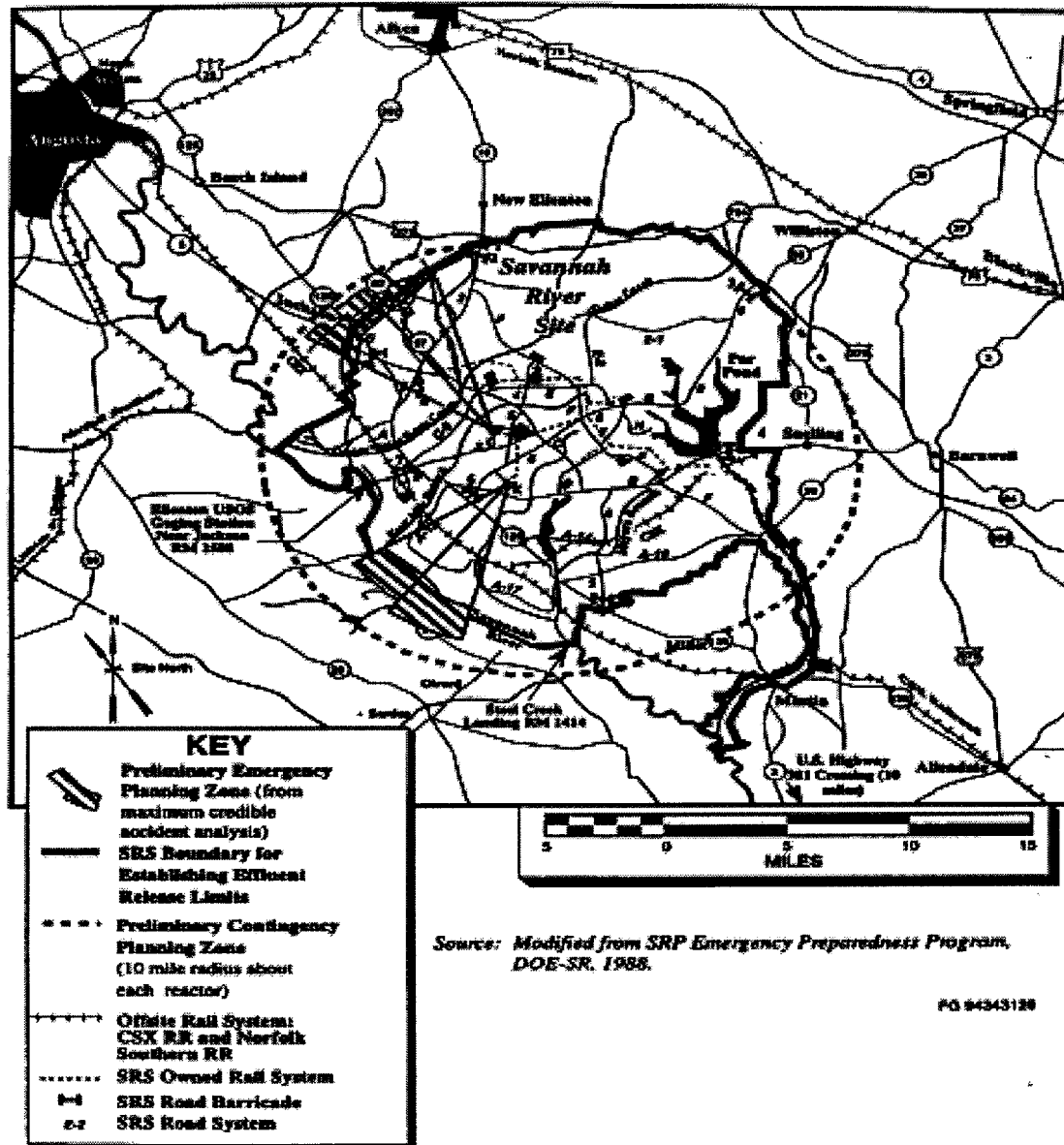
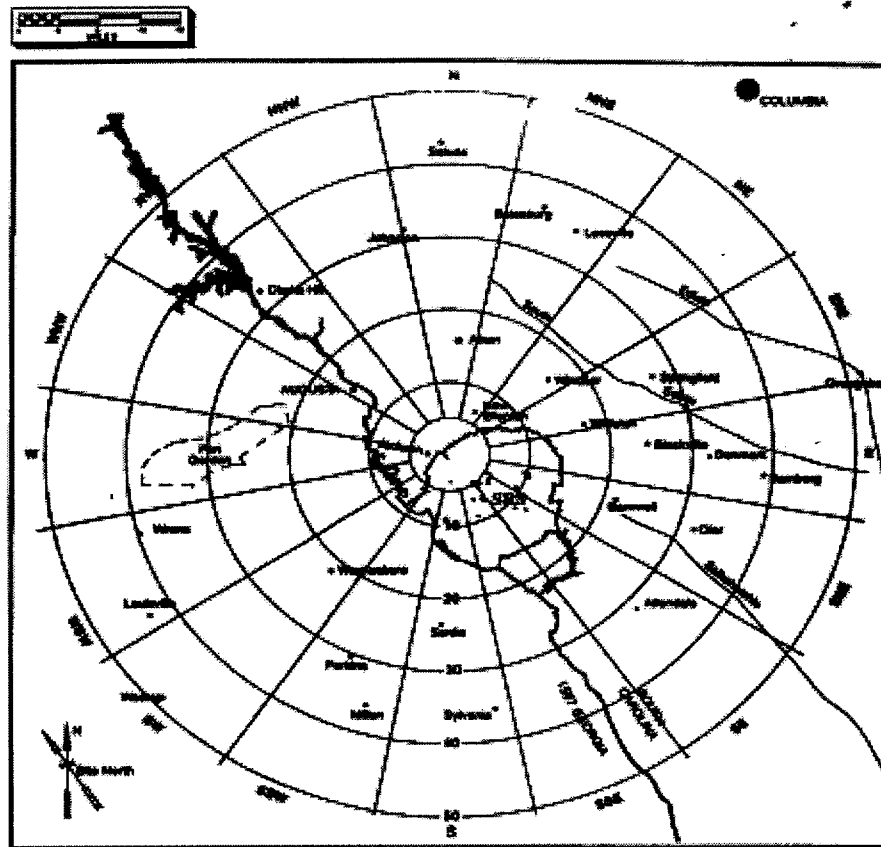


Figure 1.3-27 SRS Emergency Planning Zone

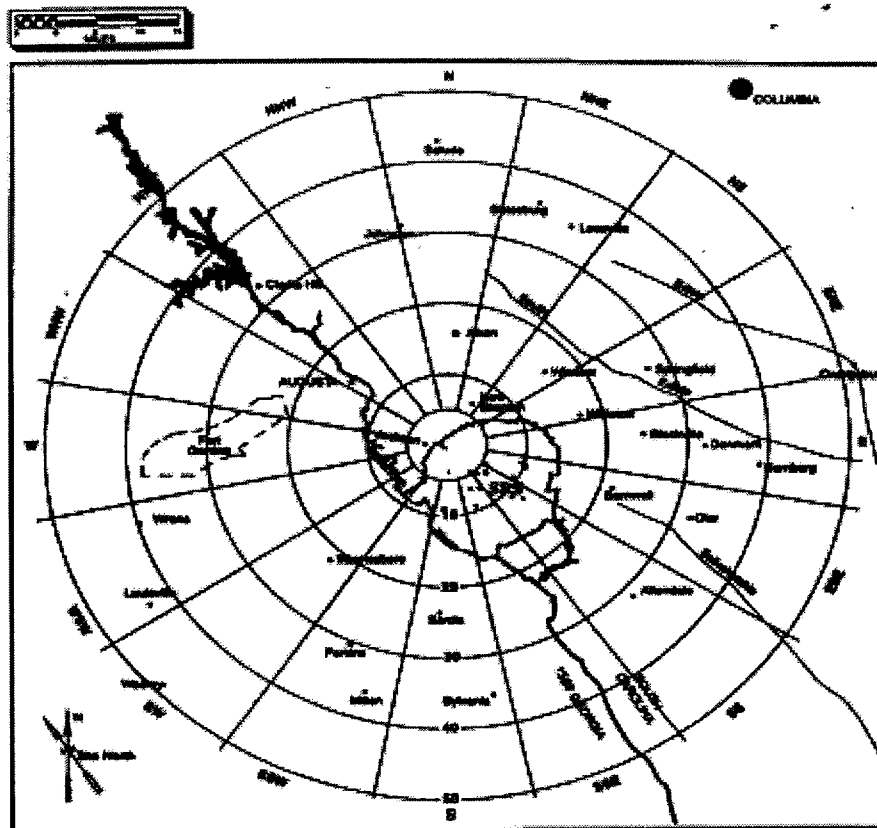


Age-group distribution for population more than 10 mi. away: 31.1% adults, 10.9% teenagers, 37.8% children

SECTOR	DISTANCE (MILES)				
	5-10	10-20	20-30	30-40	40-50
N	28	5318	10012	5067	12210
NNE	8	1320	2065	4446	14366
NE	1	2944	2927	5270	10197
ENE	27	3125	4482	5338	40771
E	155	6742	5303	8614	4334
ESE	36	1556	1931	2711	3253
SE	28	547	6509	6687	8577
SSE	40	391	769	1356	2539
S	1	557	1331	7252	3335
SSW	2	897	2007	4182	2944
SW	17	944	2240	2607	2660
WSW	60	1103	7110	2286	5818
W	55	3313	7938	7995	6780
WNW	449	3341	106832	50318	11550
NW	271	5898	87901	28576	3025
NNW	363	18022	27156	6666	6079

FD 302a (2-7-79)

Figure 1.3-28 Total Population Distribution Within 50 Miles SRS Center, 1990



SECTOR	DISTANCE (MILES)				
	5-10	10-20	20-30	30-40	40-50
N	30	6064	11414	5776	13919
NNE	7	1505	2354	5068	16377
NE	1	3356	3337	6008	11625
ENE	31	3563	5109	6085	46479
E	177	7696	6045	10048	4941
ESE	41	1774	2201	3081	3708
SE	30	624	7420	7623	9778
SSE	46	446	877	1546	2894
S	1	635	1517	8267	3902
SSW	2	1023	2288	4767	3356
SW	19	1076	2554	2972	3032
WSW	68	1257	8105	2606	6633
W	63	3777	9049	9114	7729
WNW	512	3909	121788	57360	13167
NW	309	6724	100207	30297	3449
NNW	414	20545	30958	7599	6930

FG 84342-1275

Figure 1.3-29 Projected Population Distribution Within 50 Miles SRS Center, 2000



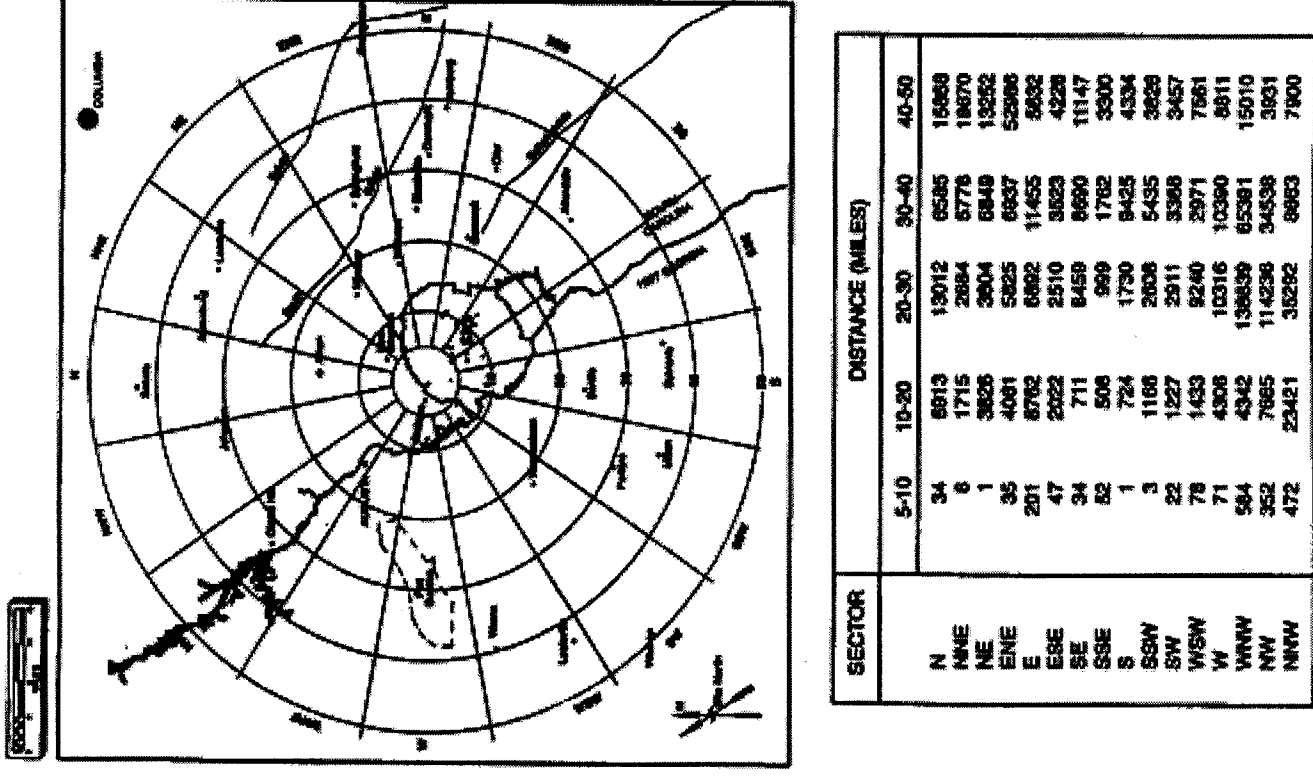
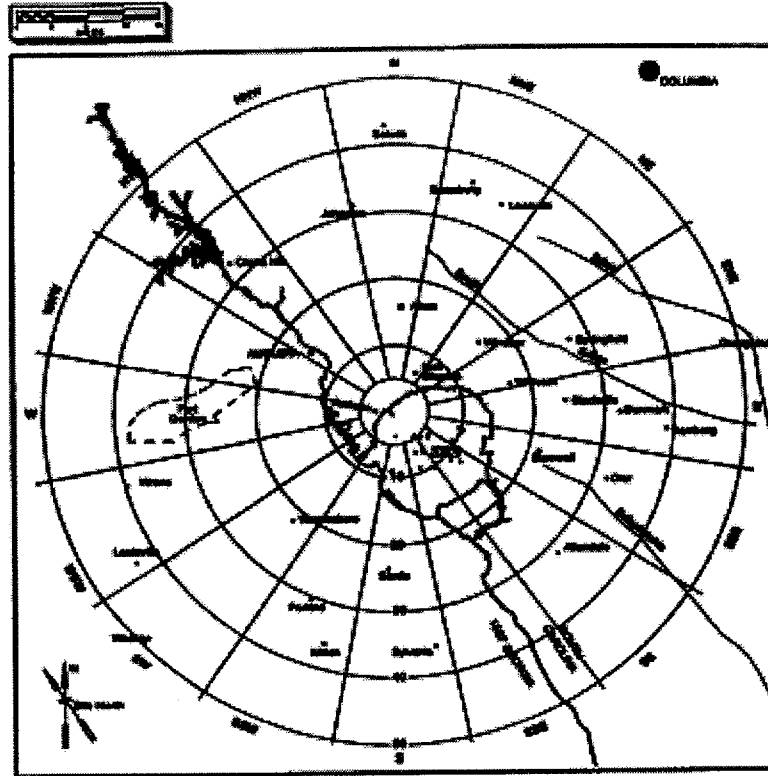


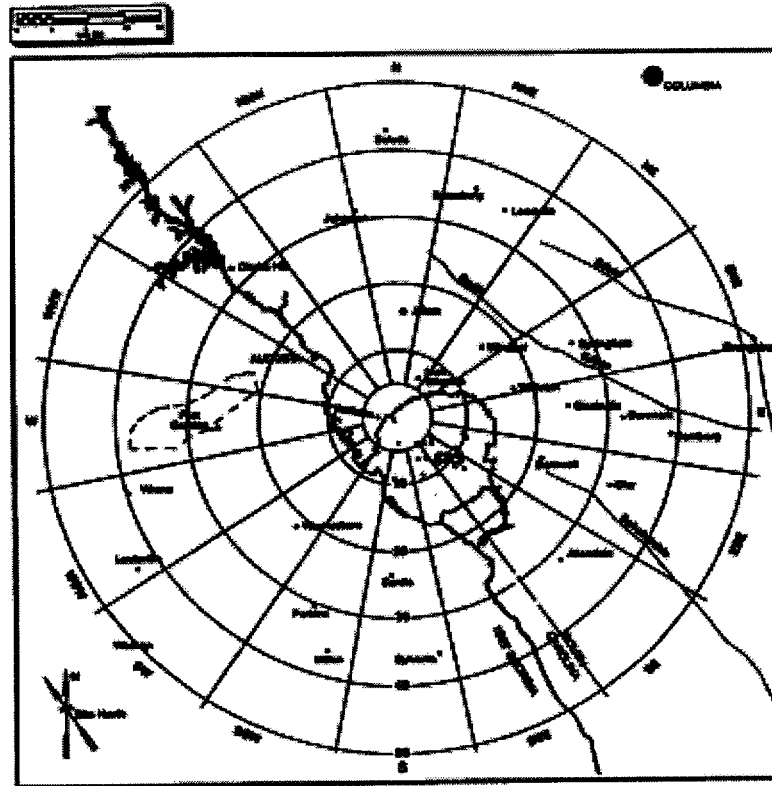
Figure 1.3-30 Projected Population Distribution Within 50 Miles SRS Center, 2010



SECTOR	DISTANCE (MILES)				
	5-10	10-20	20-30	30-40	40-50
N	39	7880	14833	7507	18080
NNE	9	1996	3059	6587	21284
NE	1	4362	4336	7808	15107
ENE	40	4630	8840	7908	60404
E	230	9969	7857	13058	8421
ESE	53	2305	2861	4018	4819
SE	39	810	9643	9907	12707
SSE	58	579	1139	2009	3782
S	1	825	1872	10744	4841
SSW	3	1329	2973	6196	4382
SW	25	1399	3319	3892	3941
WSW	89	1634	10534	3367	8820
W	81	4908	11780	11845	10045
WNW	665	4950	158276	74548	17112
NW	401	8738	130229	39374	4482
NNW	538	26700	40233	9878	9008

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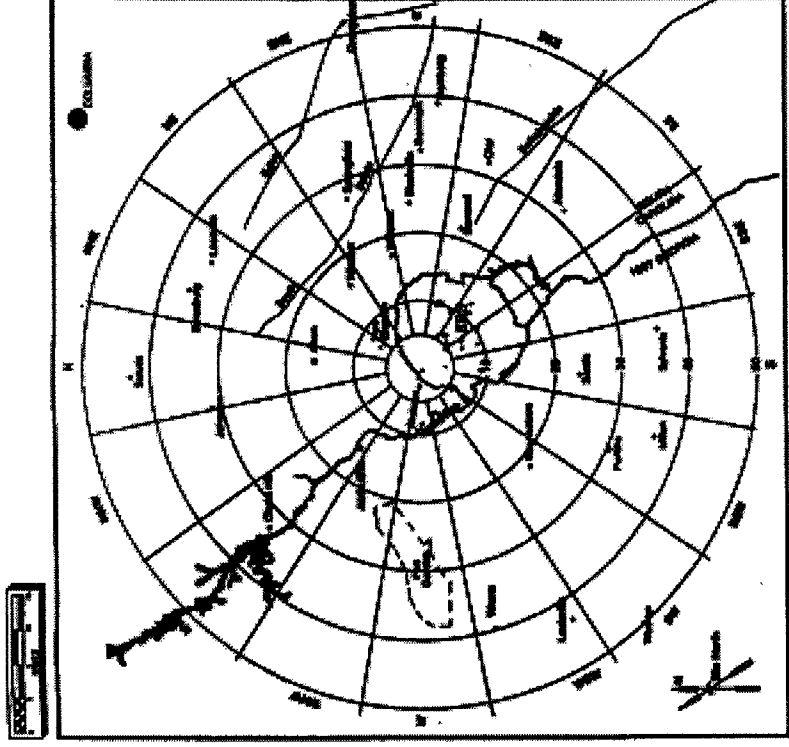
Figure 1.3-31 Projected Population Distribution Within 50 Miles SRS Center, 2020



SECTOR	DISTANCE (MILES)				
	5-10	10-20	20-30	30-40	40-50
N	44	8984	16910	8558	20622
NNE	10	2229	3488	7509	24284
NE	2	4972	4944	6801	17222
ENE	46	5276	7570	9016	68861
E	262	11367	8867	14886	7320
ESE	61	2628	3261	4879	5484
SE	44	924	10983	11294	14486
SSE	68	660	1299	2290	4288
S	2	941	2248	12248	5633
SSW	3	1515	3390	7063	4972
SW	29	1594	3783	4403	4493
WSW	101	1863	12009	3861	9828
W	83	5586	13407	13503	11451
WNW	758	5643	180435	84982	19507
NW	458	8961	148461	44888	5109
NNW	613	30438	45865	11259	10267

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Figure 1.3-32 Projected Population Distribution Within 50 Miles SRS Center, 2030



SECTOR	DISTANCE (MILES)					
	5-10	10-20	20-30	30-40	40-50	
N	50	10241	18277	9786	23009	
NNE	12	2542	3976	8560	27661	
NE	2	5866	5636	10147	19633	
ENE	52	6017	8680	10276	78501	
E	288	12981	10210	18871	8345	
ESE	68	2966	3718	5220	8263	
SE	50	1063	12533	12875	16514	
SSE	77	753	2563	1461	4869	
S	2	1072	2563	13963	6421	
SSW	4	1727	3864	8052	5688	
SW	33	1818	4313	5020	5122	
WSW	116	2124	19690	4401	11202	
W	108	6379	15284	15394	13054	
WNW	865	6433	205686	86879	22239	
NW	522	11355	189246	51170	5824	
NNW	889	34700	52287	12835	11705	

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Figure 1.3-33 Projected Population Distribution Within 50 Miles SRS Center, 2040

SECTOR	DISTANCE (MILES)				
	5-10	10-20	20-30	30-40	40-50
N	2072	21439	9195	6687	104462
NNE	235	1782	2081	4100	17085
NE	8	1545	2730	5240	11442
ENE	0	3277	4657	5189	31845
E	1	4773	5086	10908	5512
ESE	8	2166	2577	2839	2891
SE	0	563	4543	6387	10432
SSE	0	364	683	1046	2507
S	0	545	1596	6730	3560
SSW	9	780	2186	4805	2591
SW	110	1171	4578	2093	2711
WSW	101	1523	4472	2586	6149
W	241	6031	10519	8946	6959
WNW	1380	5066	129791	32475	14790
NW	1102	15212	81259	9385	3296
NNW	1171	19728	11205	6884	3344

*Age-group distribution for population more than 10 mi. Away: 51 % adults, 10.9% teenagers, 37.8% children*

Figure 1.3-34 Total Population Within 50 Miles of F Area, 1990

SECTOR	DISTANCE (MILES)				
	5-10	10-20	20-30	30-40	40-50
N	2362	24440	10482	7623	11927
NNE	268	2031	2372	4674	19477
NE	9	1761	3112	5974	13044
ENE	0	3736	5309	5915	36303
E	1	5441	5798	12435	6284
ESE	9	2469	2938	3236	3296
SE	0	642	5179	7281	11892
SSE	0	415	779	1192	2858
S	0	621	1819	7672	4058
SSW	10	889	2492	5478	2954
SW	125	1335	5219	2386	3091
WSW	115	1736	5098	2948	7010
W	275	6875	11992	10198	7933
WNW	1573	5775	147962	37022	16861
NW	1256	17342	92635	10699	3757
NNW	1335	22490	12774	7848	3812

Figure 1.3-35 Projected Population Distribution Within 50 Miles of F Area, 2000

SECTOR	DISTANCE (MILES)				
	5-10	10-20	20-30	30-40	40-50
N	2693	27862	11950	8690	13596
NNE	305	2316	2704	5328	22204
NE	10	2008	3548	6810	14870
ENE	0	4259	6052	6744	41386
E	1	6203	6610	14176	7163
ESE	10	2815	3349	3690	3757
SE	0	732	5904	8301	13557
SSE	0	473	888	1359	3258
S	0	708	2074	8746	4627
SSW	12	1014	2841	6245	3367
SW	143	1522	5950	2720	3523
WSW	131	1979	5812	3361	7991
W	313	7838	13670	11626	9044
WNW	1793	6584	168676	42205	19221
NW	1432	19770	105604	12197	4283
NNW	1522	25639	14562	8946	4346

Figure 1.3-36 Projected Population Distribution Within 50 Miles of F Area, 2010

SECTOR	DISTANCE (MILES)				
	5-10	10-20	20-30	30-40	40-50
N	3070	31763	13623	9907	15500
NNE	348	3640	3083	6074	25312
NE	12	2289	4045	7763	16952
ENE	0	4855	6900	7688	47180
E	1	7071	7535	16161	8166
ESE	12	3209	3818	4206	4283
SE	0	834	6731	9463	15455
SSE	0	539	1012	1550	3714
S	0	807	2365	9971	5274
SSW	13	1156	3239	7119	3839
SW	163	1735	6783	3101	4016
WSW	150	2256	6625	3831	9110
W	357	8935	15584	13254	10310
WNW	2045	7506	192291	48113	21912
NW	1633	22537	120389	13904	4883
NNW	1735	29228	16601	10199	4954

Figure 1.3-37 Projected Population Distribution Within 50 Miles of F Area, 2020



SECTOR	DISTANCE (MILES)				
	5-10	10-20	20-30	30-40	40-50
N	3500	36210	15530	11294	17670
NNE	397	3010	3515	6925	28856
NE	14	2609	4611	8850	19325
ENE	0	5535	7865	8764	53785
E	2	8061	8590	18423	9310
ESE	14	3658	4352	5466	488
SE	0	951	7673	7409	17619
SSE	0	615	1154	1767	4234
S	0	920	2696	11367	6013
SSW	15	1317	3692	8115	4376
SW	186	1978	7732	3535	4579
WSW	171	2572	7553	4368	10385
W	407	10186	17766	15109	11753
WNW	2331	8556	219212	54849	24980
NW	1861	25692	137243	15851	5567
NNW	1978	33320	18925	11627	5648

Figure 1.3-38 Projected Population Distribution Within 50 Miles of F Area, 2030

SECTOR	DISTANCE (MILES)				
	5-10	10-20	20-30	30-40	40-50
N	3989	41279	17704	12875	20144
NNE	452	3431	4007	7894	32896
NE	15	2975	5256	10089	22031
ENE	0	6310	8967	9991	61315
E	2	9190	9793	21002	10613
ESE	15	4170	4962	5466	5566
SE	0	1084	8747	10787	20086
SSE	0	701	1315	2014	4827
S	0	1049	3073	12958	6854
SSW	17	1502	4209	9252	4989
SW	212	2255	8815	4030	5220
WSW	194	2932	8610	4979	11839
W	464	11612	20253	17225	13399
WNW	2657	9754	249901	62528	28477
NW	2122	29289	156457	18070	6346
NNW	2255	37985	21574	13255	6439

Figure 1.3-39 Projected Population Distribution Within 50 Miles of F Area, 2040

SECTOR	DISTANCE (MILES)				
	0 - 1 mi.	1 - 2 mi.	2 - 3 mi.	3 - 4 mi.	4 - 5 mi.
N	2	23	85	123	155
NNE	0	12	65	120	344
NE	0	0	8	33	162
ENE	0	0	0	0	0
E	0	0	0	0	0
ESE	0	0	0	0	0
SE	0	0	0	0	0
SSE	0	0	0	0	0
S	0	0	0	0	0
SSW	0	0	0	0	6
SW	0	7	6	15	33
WSW	1	14	314	181	49
W	1	49	159	391	87
WNW	1	38	95	123	153
NW	1	51	85	124	155
NNW	1	51	86	125	153

Figure 1.3-40 Total Population Within 50 Miles of M Area, 1990 (Sheet 1 of 2)

SECTOR	DISTANCE (MILES)				
	5-10	10-20	20-30	30-40	40-50
N	1163	33139	3911	7350	8170
NNE	2039	6657	2443	6579	16401
NE	1065	1597	2337	5212	16911
ENE	63	1886	3721	4915	11011
E	0	2140	5954	9905	11166
ESE	0	843	7138	2723	3169
SE	0	779	1054	8904	8016
SSE	0	214	637	1496	2569
S	10	501	2044	3518	5581
SSW	78	983	1809	5202	2485
SW	216	1500	7188	1755	3287
WSW	194	5470	2655	4610	6333
W	445	18803	19267	10626	8673
WNW	891	83974	80281	8804	11033
NW	1597	47657	19959	2781	4883
NNW	1135	15794	5532	4576	2613

Figure 1.3-40 Total Population Within 50 Miles of M Area, 1990 (Sheet 2 of 2)

SECTOR	DISTANCE (MILES)				
	0 - 1 mi	1 - 2 mi	2 - 3 mi	3 - 4 mi	4 - 5 mi
N	2	26	97	140	177
NNE	0	14	74	137	392
NE	0	0	9	38	185
ENE	0	0	0	0	0
E	0	0	0	0	0
ESE	0	0	0	0	0
SE	0	0	0	0	0
SSE	0	0	0	0	0
S	0	0	0	0	0
SSW	0	0	0	0	7
SW	0	8	7	17	38
WSW	1	16	358	206	56
W	1	56	181	446	99
WNW	1	43	108	140	174
NW	1	58	97	141	177
NNW	1	58	98	143	174

Figure 1.3-41 Projected Population Distribution Within 50 Miles of M Area, 2000  
(Sheet 1 of 2)

SECTOR	DISTANCE (MILES)				
	5-10	10-20	20-30	30-40	40-50
N	1326	37778	4459	8379	9314
NNE	2324	7589	2785	7500	18697
NE	1214	1821	2664	5642	19279
ENE	72	2150	4242	5603	12553
E	0	2440	6788	11292	12729
ESE	0	961	8137	3104	3613
SE	0	888	1202	10151	9138
SSE	0	244	726	1705	2929
S	11	571	2330	4011	6362
SSW	89	1121	2062	5930	2833
SW	246	1710	8194	2001	3747
WSW	221	6236	3027	5255	7220
W	507	21435	21964	12114	9887
WNW	1016	95730	91520	10037	12578
NW	1821	54329	22753	3170	5567
NNW	1294	18005	6306	5217	2979

Figure 1.3-41 Projected Population Distribution Within 50 Miles of M Area, 2000  
(Sheet 2 of 2)

SECTOR	DISTANCE (MILES)				
	0 - 1 mi	1 - 2 mi	2 - 3 mi	3 - 4 mi	4 - 5 mi
N	3	30	110	160	201
NNE	0	16	84	156	447
NE	0	0	10	43	211
ENE	0	0	0	0	0
E	0	0	0	0	0
ESE	0	0	0	0	0
SE	0	0	0	0	0
SSE	0	0	0	0	0
S	0	0	0	0	0
SSW	0	0	0	0	8
SW	0	9	8	19	43
WSW	1	18	408	235	64
W	1	64	207	508	113
WNW	1	49	123	160	199
NW	1	66	110	161	201
NNW	1	66	112	162	199

Figure 1.3-42    Projected Population Distribution Within 50 Miles of M Area, 2010  
(Sheet 1 of 2)

SECTOR	DISTANCE (MILES)				
	5-10	10-20	20-30	30-40	40-50
N	1511	43067	5083	9552	10618
NNE	2650	8651	3175	8550	21315
NE	1384	2075	3037	6774	21978
ENE	82	4551	4836	6388	14310
E	0	2781	7738	12873	14511
ESE	0	1096	9277	3559	4118
SE	0	1012	1370	11572	10418
SSE	0	278	828	1944	3339
S	13	651	2656	4572	7253
SSW	101	1278	2351	6761	3230
SW	281	1949	9342	2281	4272
WSW	252	7109	3450	5991	8230
W	578	24436	25039	13810	11271
WNW	1158	109133	104333	11442	14338
NW	2075	61935	25939	3614	6346
NNW	1475	20526	7189	5947	3396

Figure 1.3-42 Projected Population Distribution Within 50 Miles of M Area, 2010  
(Sheet 2 of 2)



SECTOR	DISTANCE (MILES)				
	0 - 1 mi	1 - 2 mi	2 - 3 mi	3 - 4 mi	4 - 5 mi
N	3	34	126	182	230
NNE	0	18	96	178	510
NE	0	0	12	49	240
ENE	0	0	0	0	0
E	0	0	0	0	0
ESE	0	0	0	0	0
SE	0	0	0	0	0
SSE	0	0	0	0	0
S	0	0	0	0	0
SSW	0	0	0	0	9
SW	0	10	9	22	49
WSW	1	21	465	268	73
W	1	73	236	579	129
WNW	1	56	141	182	227
NW	1	76	126	184	230
NNW	1	76	127	185	227

Figure 1.3-43 Projected Population Distribution Within 50 Miles of M Area, 2010  
(Sheet 1 of 2)

SECTOR	DISTANCE (MILES)				
	5-10	10-20	20-30	30-40	40-50
N	1723	49097	5794	10889	12104
NNE	3021	9863	3619	9747	24299
NE	1578	2366	3462	7722	25054
ENE	93	2794	5513	7282	16313
E	0	3171	8821	14675	16543
ESE	0	1249	10575	4034	4695
SE	0	1154	1562	13192	11876
SSE	0	317	944	2216	3806
S	15	742	3028	5212	8268
SSW	116	1456	2680	7707	3682
SW	320	2222	10649	2600	4870
WSW	287	8104	3933	6830	9383
W	659	27857	28545	15743	12849
WNW	1320	124411	118940	13044	16346
NW	2366	70606	29570	4120	7234
NNW	1682	23400	8196	6780	3871

Figure 1.3-43 Projected Population Distribution Within 50 Miles of M Area, 2010  
(Sheet 2 of 2)

SECTOR	DISTANCE (MILES)				
	0 - 1 mi	1 - 2 mi	2 - 3 mi	3 - 4 mi	4 - 5 mi
N	3	39	144	208	262
NNE	0	20	110	203	581
NE	0	0	14	56	274
ENE	0	0	0	0	0
E	0	0	0	0	0
ESE	0	0	0	0	0
SE	0	0	0	0	0
SSE	0	0	0	0	0
S	0	0	0	0	0
SSW	0	0	0	0	10
SW	0	12	10	25	56
WSW	2	24	530	306	83
W	2	83	269	660	147
WNW	2	64	160	208	258
NW	2	86	144	209	262
NNW	2	86	145	211	258

Figure 1.3-44 Projected Population Distribution Within 50 Miles of M Area, 2030  
(Sheet 1 of 2)

SECTOR	DISTANCE (MILES)				
	5-10	10-20	20-30	30-40	40-50
N	1964	55970	6608	12414	13799
NNE	3444	11243	4126	11112	27701
NE	1799	2697	3947	8803	28562
ENE	106	3185	6288	8301	18597
E	0	3614	10056	16729	18859
ESE	0	1424	12055	4599	5352
SE	0	1316	1783	15039	13539
SSE	0	361	1078	2527	4339
S	17	846	3452	5942	9426
SSW	132	1660	3053	8786	4197
SW	365	2533	12145	2964	5552
WSW	328	9239	4458	7786	10696
W	752	31758	32550	17947	14648
WNW	1505	141829	135589	14870	18634
NW	2697	80490	33712	4697	8247
NNW	1917	26675	9343	7729	4413

Figure 1.3-44    Projected Population Distribution Within 50 Miles of M Area, 2030  
(Sheet 2 of 2)

SECTOR	DISTANCE (MILES)				
	0 - 1	1 - 2	2 - 3	3 - 4	4 - 5
N	4	44	164	237	298
NNE	0	23	125	231	662
NE	0	0	15	64	312
ENE	0	0	0	0	0
E	0	0	0	0	0
ESE	0	0	0	0	0
SE	0	0	0	0	0
SSE	0	0	0	0	0
S	0	0	0	0	0
SSW	0	0	0	0	12
SW	0	13	12	29	64
WSW	2	27	605	349	94
W	2	94	306	753	168
WNW	2	73	183	237	295
NW	2	98	164	239	298
NNW	2	98	166	241	295

Figure 1.3-45 Projected Population Distribution Within 50 Miles of M Area, 2040  
(Sheet 1 of 2)

SECTOR	DISTANCE (MILES)				
	5-10	10-20	20-30	30-40	40-50
N	2239	63806	7530	14152	15731
NNE	3962	12817	4704	12667	31579
NE	2051	3075	4500	10035	32561
ENE	121	3631	7164	9463	21201
E	0	4120	11464	19071	21499
ESE	0	1623	13744	5243	6102
SE	0	1500	2029	17144	15434
SSE	0	412	1226	2880	4946
S	19	965	3936	6774	10746
SSW	150	1893	3483	10016	4785
SW	416	2888	13840	379	6329
WSW	374	10532	5112	8876	12194
W	857	36204	37097	20459	16699
WNW	1716	16185	15474	16951	21243
NW	3075	91760	38429	5355	9402
NNW	2185	30410	10651	8811	5031

Figure 1.3-45 Projected Population Distribution Within 50 Miles of M Area, 2040  
(Sheet 2 of 2)

SECTOR	DISTANCE (MILES)				
	0-1	1-2	2-3	3-4	4-5.
N	0	0	0	0	0
NNE	0	0	0	0	0
NE	0	0	0	0	0
ENE	0	0	0	0	0
E	0	0	0	0	0
ESE	0	0	0	0	0
SE	0	0	0	0	0
SSE	0	0	0	0	1
S	0	0	0	4	17
SSW	0	0	3	13	28
SW	0	4	9	21	29
WSW	0	7	16	22	29
W	0	5	12	17	29
WNW	0	4	6	3	10
NW	0	0	1	0	7
NNW	0	0	0	0	2

Figure 1.3-46 Total Population Within 50 Miles of D Area, 1990 (Sheet 1 of 2)

SECTOR	DISTANCE (MILES)				
	5-10	10-20	20-30	30-40	40-50
N	77	5892	42070	5480	8404
NNE	0	2857	4205	3222	10601
NE	0	771	3580	4450	7295
ENE	0	1070	6137	7825	8896
E	0	1142	6917	5751	5977
ESE	1	638	5060	6217	6979
SE	13	374	1029	2075	6043
SSE	119	539	1480	3739	2445
S	163	1306	2054	4327	6676
SSW	173	1182	3829	2429	4449
SW	235	1666	1494	2210	2977
WSW	238	5820	1871	2337	7826
W	240	2410	2426	5505	3443
WNW	207	8135	26305	17175	16613
NW	224	5510	155933	38940	4006
NNW	976	6510	44439	5477	4264

Figure 1.3-46 Total Population Within 50 Miles of D Area, 1990 (Sheet 2 of 2)



SECTOR	DISTANCE (MILES)				
	0-1	1-2	2-3	3-4	4-5
N	0	0	0	0	0
NNE	0	0	0	0	0
NE	0	0	0	0	0
ENE	0	0	0	0	0
E	0	0	0	0	0
ESE	0	0	0	0	0
SE	0	0	0	0	0
SSE	0	0	0	0	1
S	0	0	0	5	19
SSW	0	0	3	15	32
SW	0	5	10	24	33
WSW	0	8	18	25	33
W	0	6	14	19	33
WNW	0	5	7	3	11
NW	0	0	1	0	8
NNW	0	0	0	0	2

Figure 1.3-47 Projected Population Distribution Within 50 Miles of D Area, 2000  
(Sheet 1 of 2)

SECTOR	DISTANCE (MILES)				
	5-10	10-20	20-30	30-40	40-50
N	100	7657	54674	7122	10922
NNE	0	3713	5465	4187	13777
NE	0	1002	4653	5783	9481
ENE	0	1391	7976	10169	11561
E	0	1484	8989	7474	7768
ESE	1	829	6576	8080	9070
SE	17	486	1337	2697	7853
SSE	155	700	1923	4859	3178
S	212	1697	2669	5623	8676
SSW	225	1536	4976	3157	5782
SW	305	2165	1942	2872	3869
WSW	309	7564	2432	3037	10171
W	312	3132	3153	7154	4475
WNW	269	10572	34186	22321	21590
NW	291	7161	202651	50606	5206
NNW	1268	8460	57753	7118	5541

Figure 1.3-47 Projected Population Distribution Within 50 Miles of D Area, 2000  
(Sheet 2 of 2)

SECTOR	DISTANCE (MILES)				
	0-1	1-2	2-3.	3-4	4-5
N	0	0	0	0	0
NNE	0	0	0	0	0
NE	0	0	0	0	0
ENE	0	0	0	0	0
E	0	0	0	0	0
ESE	0	0	0	0	0
SE	0	0	0	0	0
SSE	0	0	0	0	1
S	0	0	0	6	25
SSW	0	0	4	19	41
SW	0	6	13	31	43
WSW	0	10	24	33	43
W	0	7	18	25	43
WNW	0	6	9	4	15
NW	0	0	1	0	10
NNW	0	0	0	0	3

Figure 1.3-48 Projected Population Distribution Within 50 Miles of D Area, 2010  
(Sheet 1 of 2)

SECTOR	DISTANCE (MILES)				
	5-10	10-20	20-30	30-40	40-50
N	114	8729	62329	8119	12451
NNE	0	4233	6230	4774	15706
NE	0	1142	5304	6593	10808
ENE	0	1585	9092	11593	13180
E	0	1692	10248	8520	8855
ESE	1	945	7497	9211	10340
SE	19	554	1525	3074	8953
SSE	176	799	2193	5539	3622
S	241	1935	3043	6411	9891
SSW	256	1751	5673	3599	6591
SW	348	2468	2213	3274	4411
WSW	353	8628	2772	3462	11595
W	356	3577	3594	8156	5101
WNW	307	12052	38972	25446	24613
NW	332	8163	231022	57691	5935
NNW	1446	9645	65838	8114	6317

Figure 1.3-48 Projected Population Distribution Within 50 Miles of D Area, 2010  
(Sheet 2 of 2)

SECTOR	DISTANCE (MILES)				
	0-1	1-2	2-3	3-4	4-5
N	0	0	0	0	0
NNE	0	0	0	0	0
NE	0	0	0	0	0
ENE	0	0	0	0	0
E	0	0	0	0	0
ESE	0	0	0	0	0
SE	0	0	0	0	0
SSE	0	0	0	0	2
S	0	0	0	9	37
SSW	0	0	7	29	61
SW	0	9	20	46	64
WSW	0	15	35	48	64
W	0	11	26	37	64
WNW	0	9	13	7	22
NW	0	0	2	0	15
NNW	0	0	0	0	4

Figure 1.3-49 Projected Population Distribution Within 50 Miles of D Area, 2020  
(Sheet 1 of 2)

SECTOR	DISTANCE (MILES)				
	5-10	10-20	20-30	30-40	40-50
N	130	9951	71055	9256	14194
NNE	0	4825	7102	5442	17905
NE	0	1302	6046	7516	12321
ENE	0	1807	10365	13216	15025
E	0	1929	11683	9713	10095
ESE	0	1078	8546	10500	11787
SE	22	632	1738	3505	10206
SSE	201	910	2500	6315	4130
S	275	2206	3469	7308	11275
SSW	292	1996	6467	4102	7514
SW	397	2814	2523	3733	5028
WSW	402	9830	3160	3947	13218
W	405	4070	4097	9298	5815
WNW	350	13740	44428	29008	28059
NW	378	9306	263365	65768	6766
NNW	1648	10995	75056	9250	7202

Figure 1.3-49    Projected Population Distribution Within 50 Miles of D Area, 2020  
(Sheet 2 of 2)

SECTOR	DISTANCE (MILES)				
	0-1	1-2	2-3	3-4	4-5
N	0	0	0	0	0
NNE	0	0	0	0	0
NE	0	0	0	0	0
ENE	0	0	0	0	0
E	0	0	0	0	0
ESE	0	0	0	0	0
SE	0	0	0	0	0
SSE	0	0	0	0	4
S	0	0	0	15	63
SSW	0	0	11	48	104
SW	0	15	33	78	107
WSW	0	26	59	81	107
W	0	19	44	63	107
WNW	0	15	22	11	37
NW	0	0	4	0	26
NNW	0	0	0	0	7

Figure 1.3-50 Projected Population Distribution Within 50 Miles of D Area, 2030  
(Sheet 1 of 2)

SECTOR	DISTANCE (MILES)				
	5-10	10-20	20-30	30-40	40-50
N	148	11345	81002	10551	16181
NNE	0	5501	8096	6204	20411
NE	0	1484	6893	8568	14046
ENE	0	2060	11816	15066	17128
E	0	2199	13318	11073	11508
ESE	2	1228	9743	11970	13437
SE	25	720	1981	3995	11635
SSE	229	1038	2850	7199	4708
S	314	2515	3955	8331	12854
SSW	333	2276	7372	4677	8566
SW	455	3208	2877	4255	5732
WSW	460	11206	3602	4500	15068
W	462	4640	4671	10599	6629
WNW	399	15663	50648	33069	31987
NW	431	10609	300236	74976	7713
NNW	1879	12534	85563	10545	8210

Figure 1.3-50 Projected Population Distribution Within 50 Miles of D Area, 2030  
(Sheet 2 of 2)



SECTOR	DISTANCE (MILES)				
	0-1 mi.	1-2 mi.	2-3 mi.	3-4 mi.	4-5 mi.
N	0	0	0	0	0
NNE	0	0	0	0	0
NE	0	0	0	0	0
ENE	0	0	0	0	0
E	0	0	0	0	0
ESE	0	0	0	0	0
SE	0	0	0	0	0
SSE	0	0	0	0	7
S	0	0	0	28	121
SSW	0	0	21	93	199
SW	0	28	64	150	207
WSW	0	50	114	157	207
W	0	36	85	121	207
WNW	0	28	43	21	71
NW	0	0	7	0	50
NNW	0	0	0	0	14

Figure 1.3-51 Projected Population Distribution Within 50 Miles of D Area, 2040  
(Sheet 1 of 2)

SECTOR	DISTANCE (MILES)				
	5-10	10-20	20-30	30-40	40-50
N	169	12933	92342	12028	18447
NNE	0	6271	9230	7072	23269
NE	0	1692	7858	9768	16012
ENE	0	2349	13471	17176	19526
E	0	2507	15182	12623	13119
ESE	2	1400	11107	13646	15319
SE	29	821	2259	4555	13264
SSE	261	1183	3249	8207	5367
S	358	2867	4508	9498	14654
SSW	380	2594	8405	5332	9765
SW	516	3657	3279	4851	6534
WSW	522	12775	4107	5130	17178
W	527	5290	5325	12083	7557
WNW	454	17856	57739	37699	36465
NW	492	12094	342269	85472	8793
NNW	2142	14289	97542	12022	9359

Figure 1.3-51 Projected Population Distribution Within 50 Miles of D Area, 2040  
(Sheet 2 of 2)

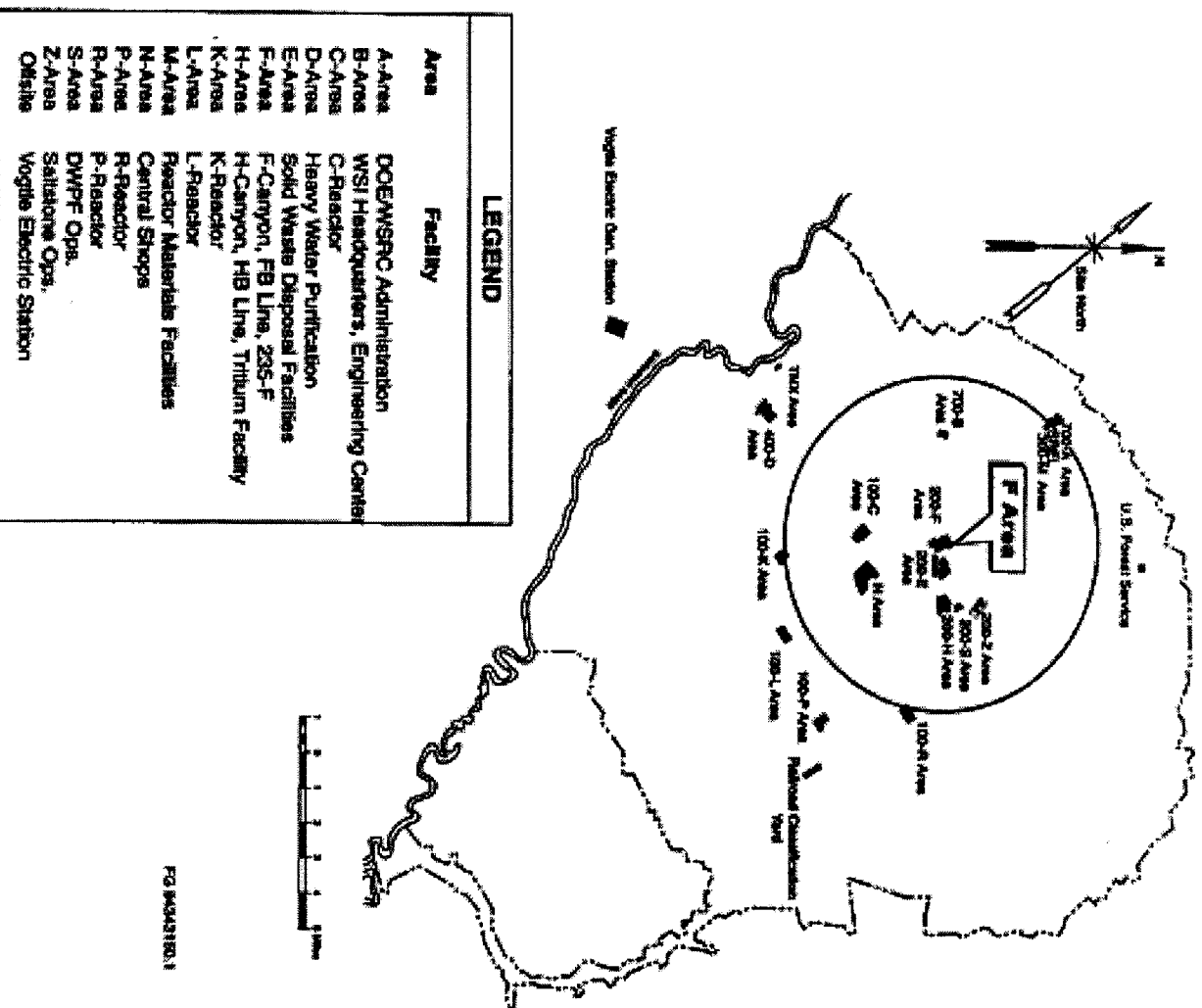


Figure 1.3-52 SRS Areas Within a 5-Mile Vicinity of F Area

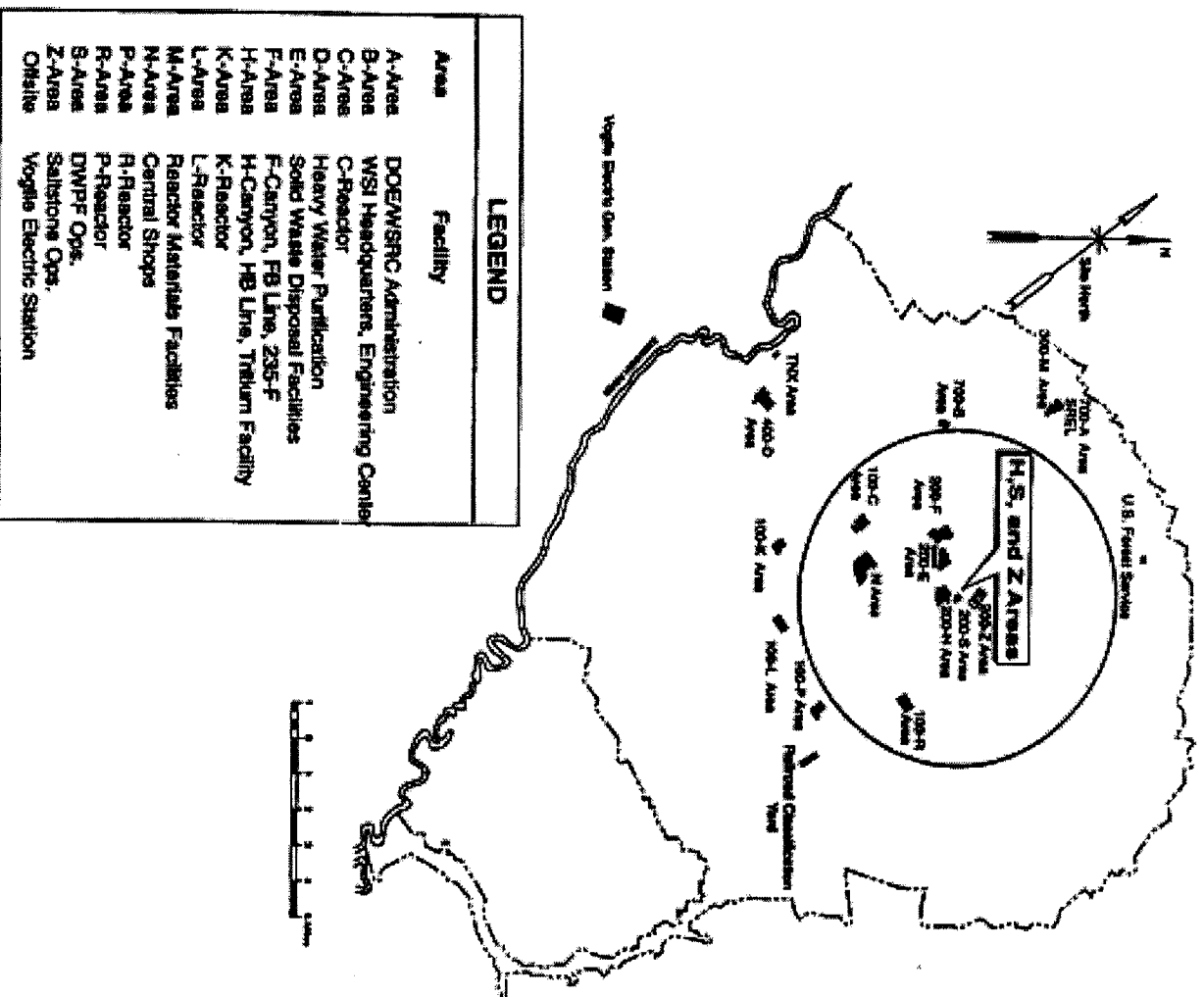


Figure 1.3-53 SRS Areas Within a 5-Mile Vicinity of H, S, and Z Areas

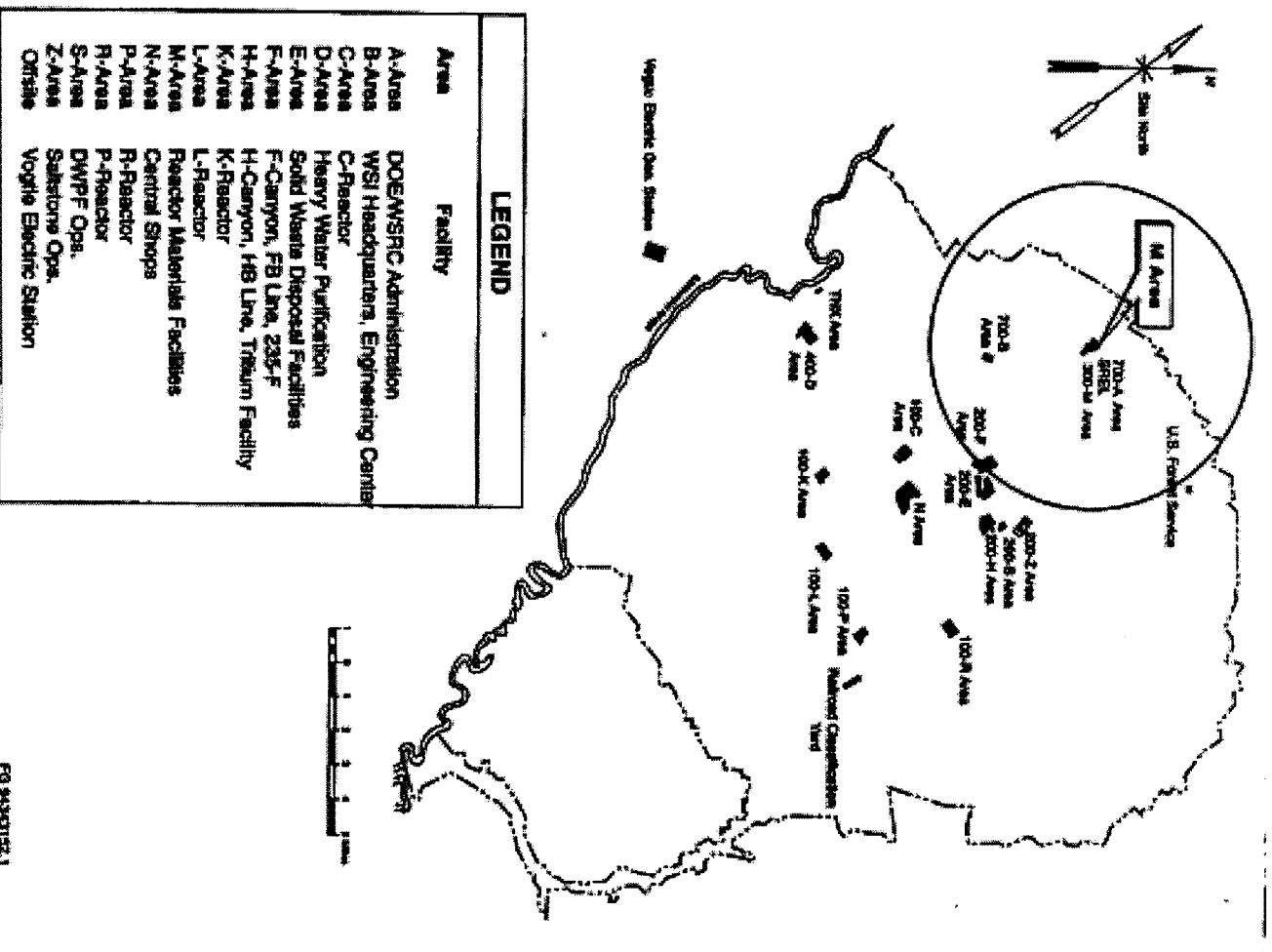


Figure 1.3-54 SRS Areas Within a 5-Mile Vicinity of M Area

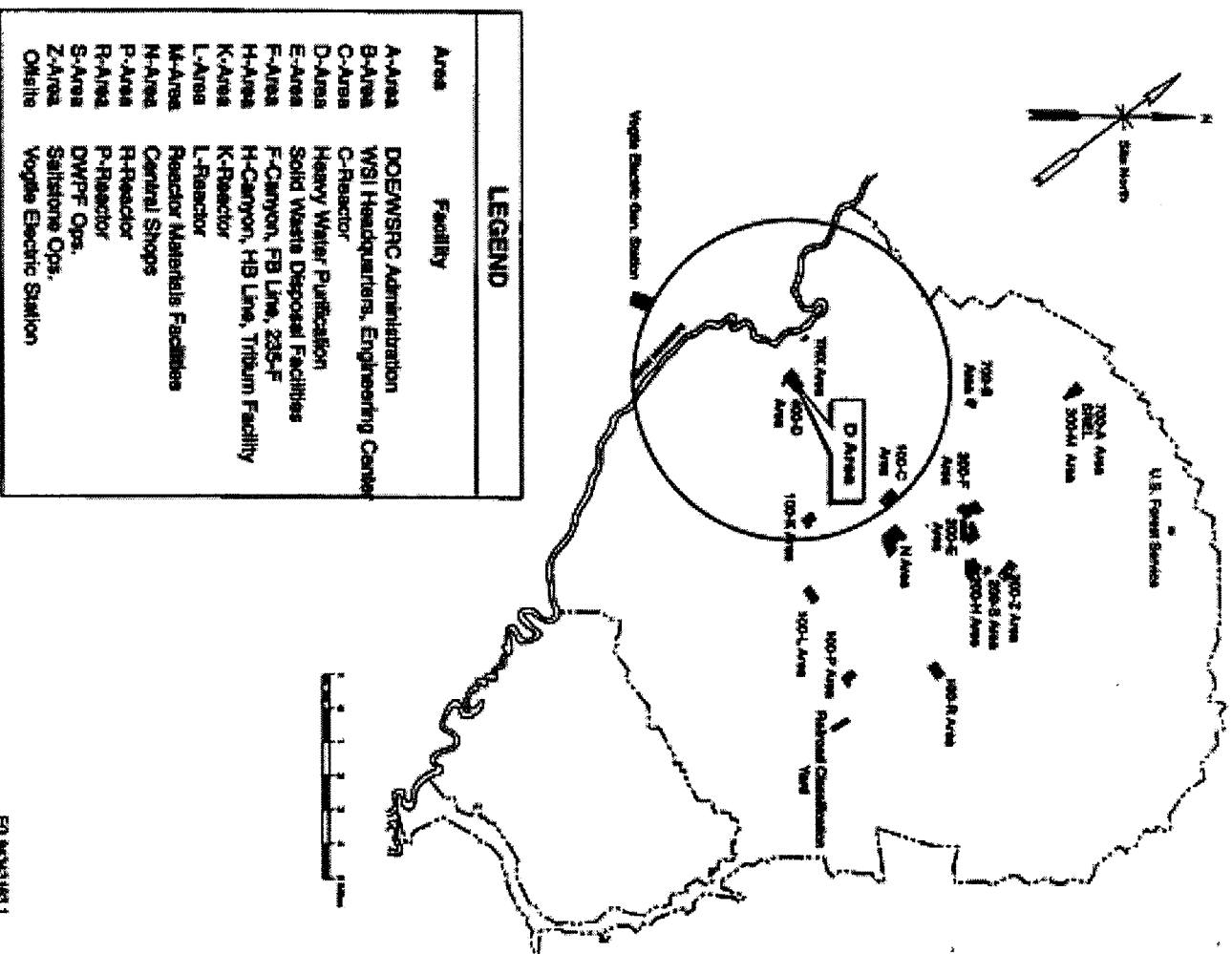


Figure 1.3-55 SRS Areas Within a 5-Mile Vicinity of D Area



1

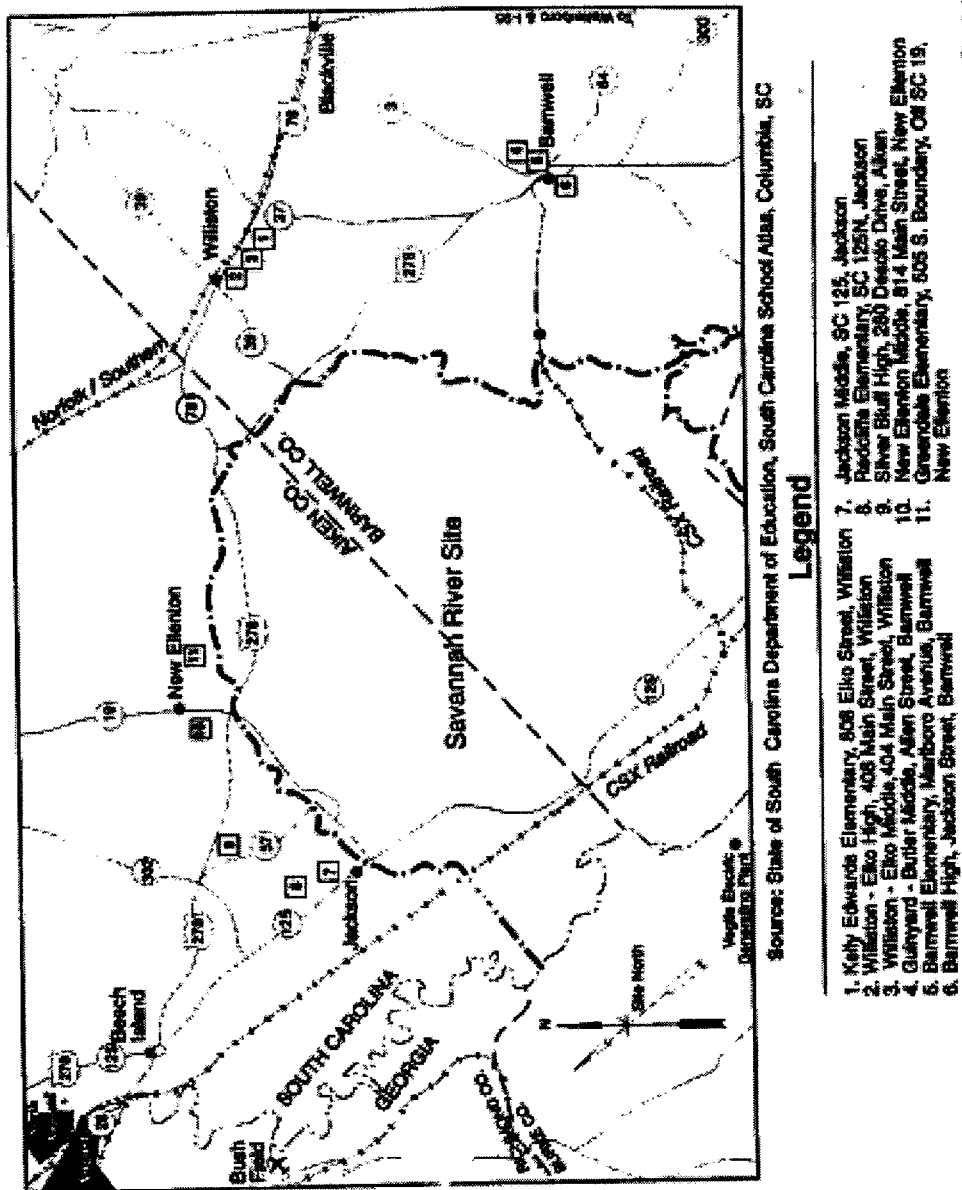
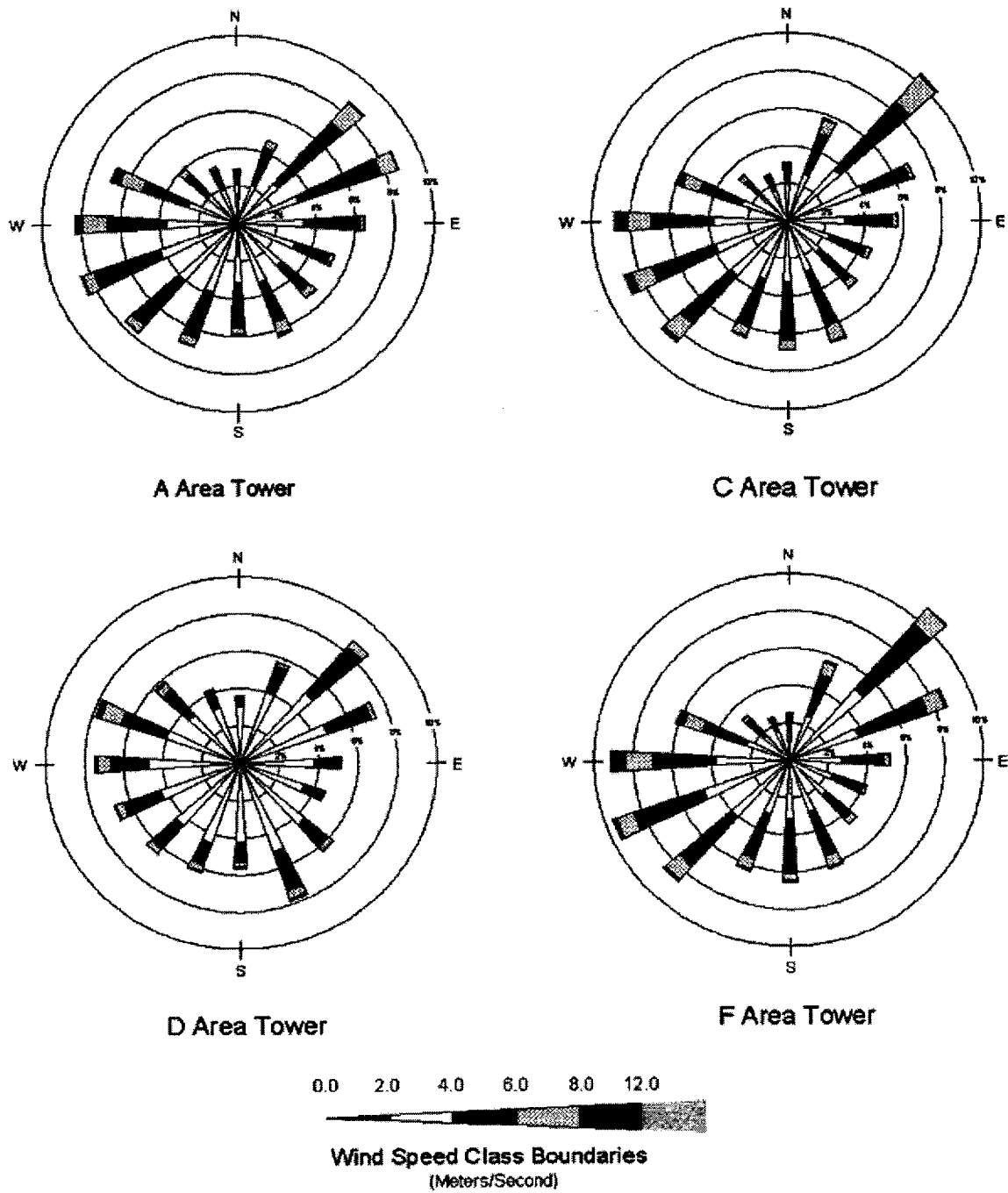


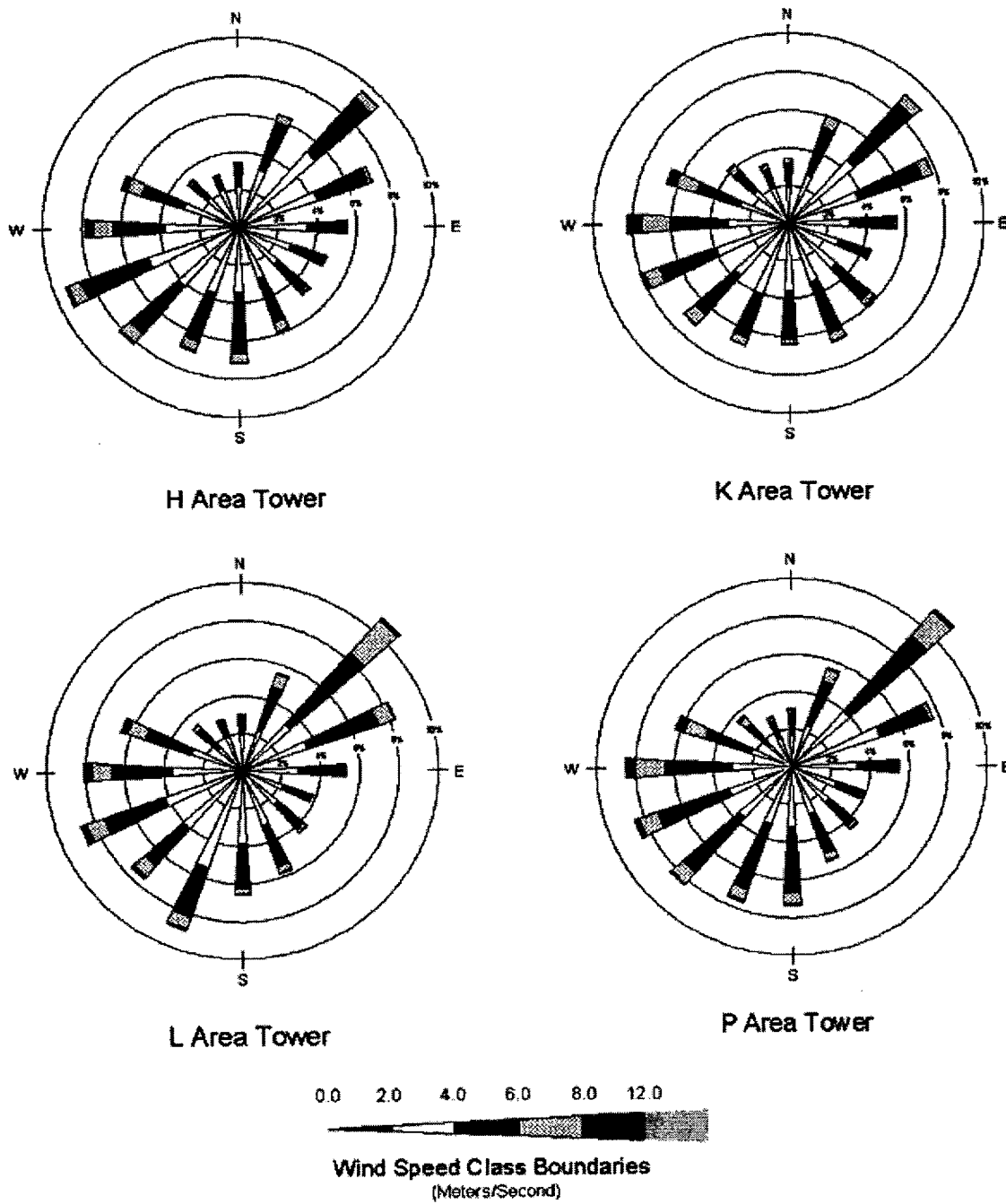
Figure 1.3-57 Public Schools Located Within 5 Miles of SRS Boundary, 1991





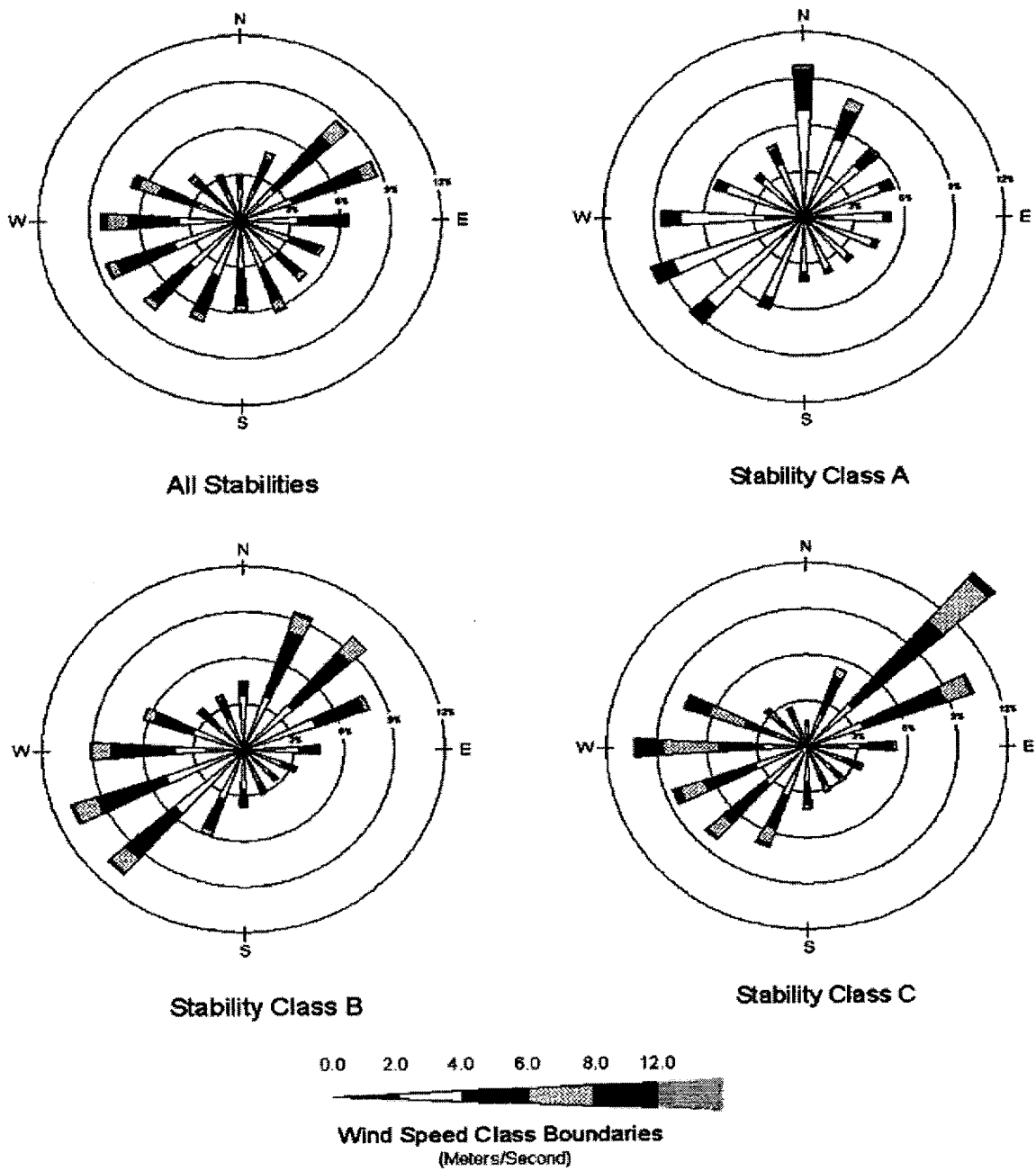
Note: Plots indicate the wind direction sector from which the wind blows

Figure 1.4-1 Wind Rose Plots for A, C, D, F, H, K, L, and P Areas, 1992-1996



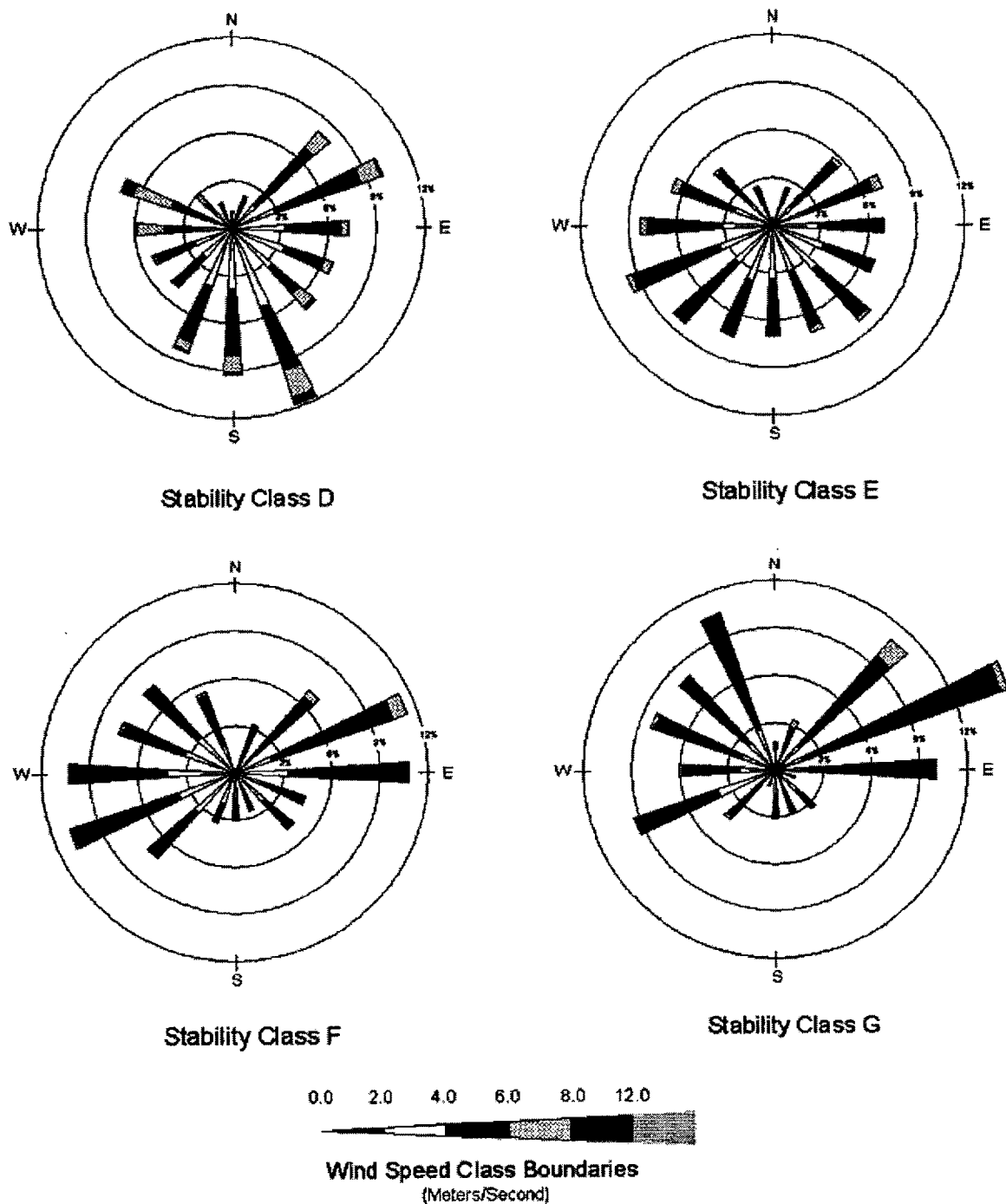
Note: Plots indicate the wind direction sector from which the wind blows

Figure 1.4-1 Wind Rose Plots for A, C, D, F, H, K, L, and P Areas, 1992-1996  
(continued)



Note: plots indicate the wind direction sector from which the wind blows

Figure 1.4-2 Wind Rose Plots by Stability Class – A Area Tower, 1992-1996



Note: plots indicate the wind direction sector from which the wind blows

Figure 1.4-2 Wind Rose Plots by Stability Class – A Area Tower, 1992-1996  
(continued)

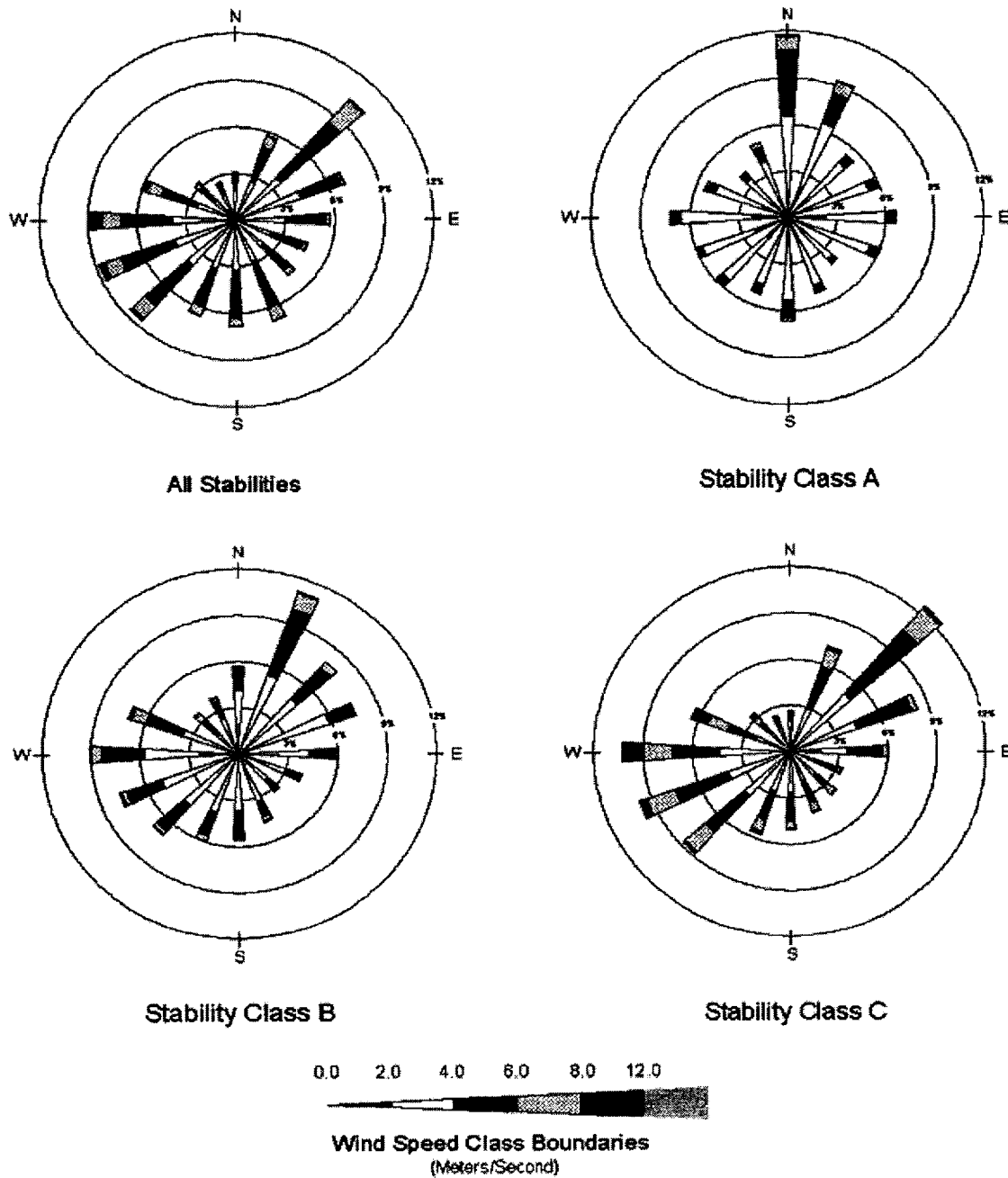
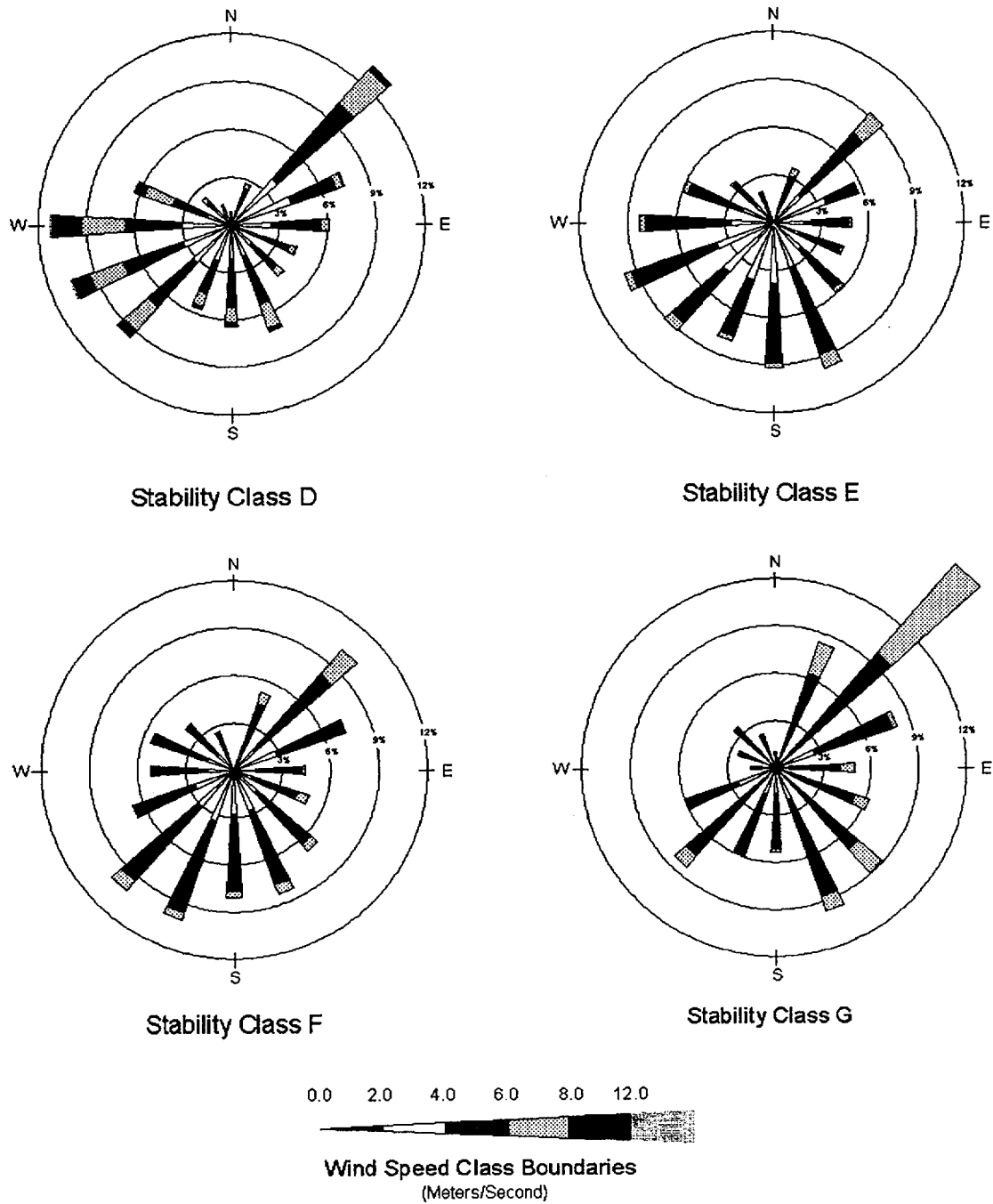
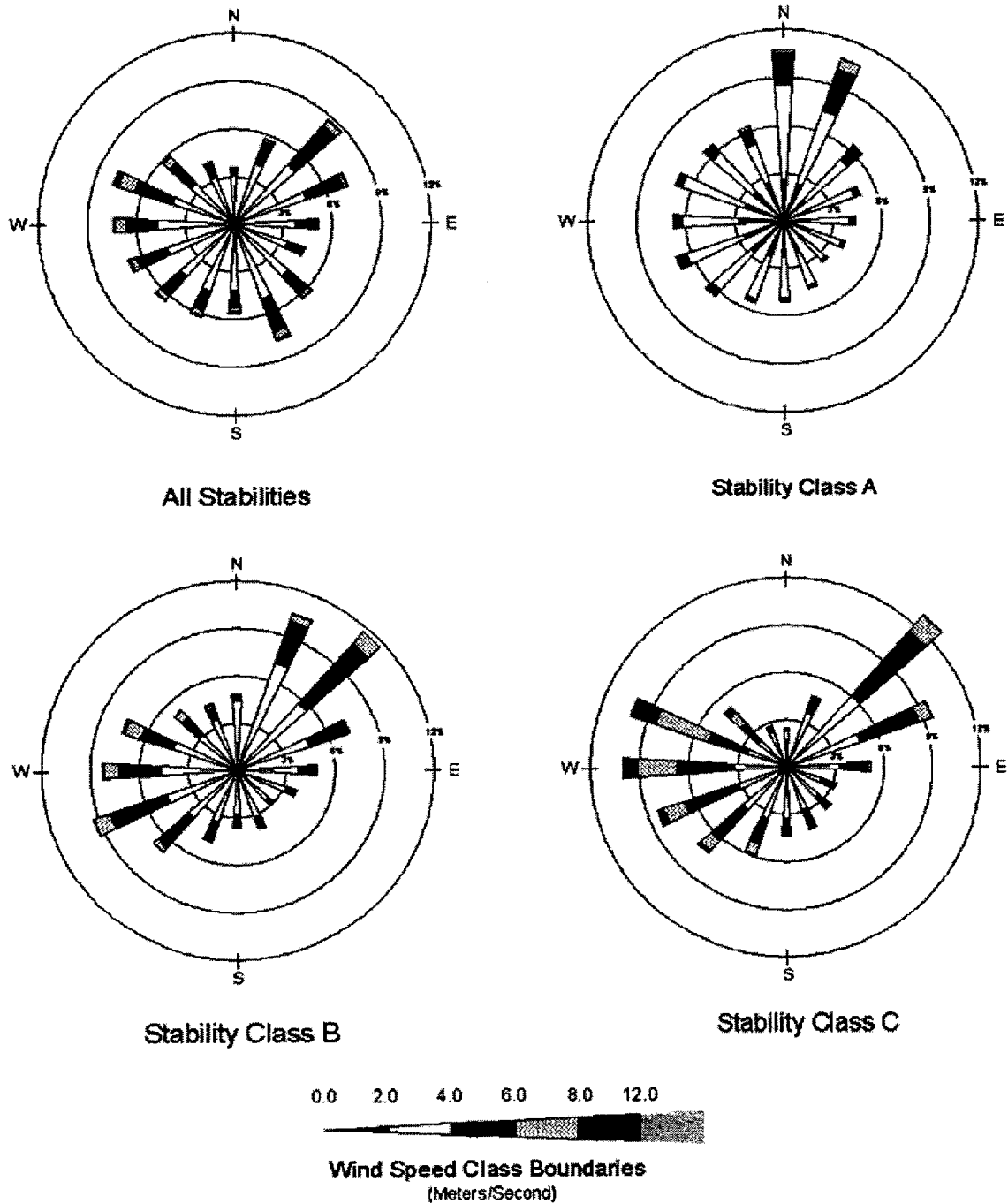


Figure 1.4-3 Wind Rose Plots by Stability Class – C Area Tower, 1992-1996.



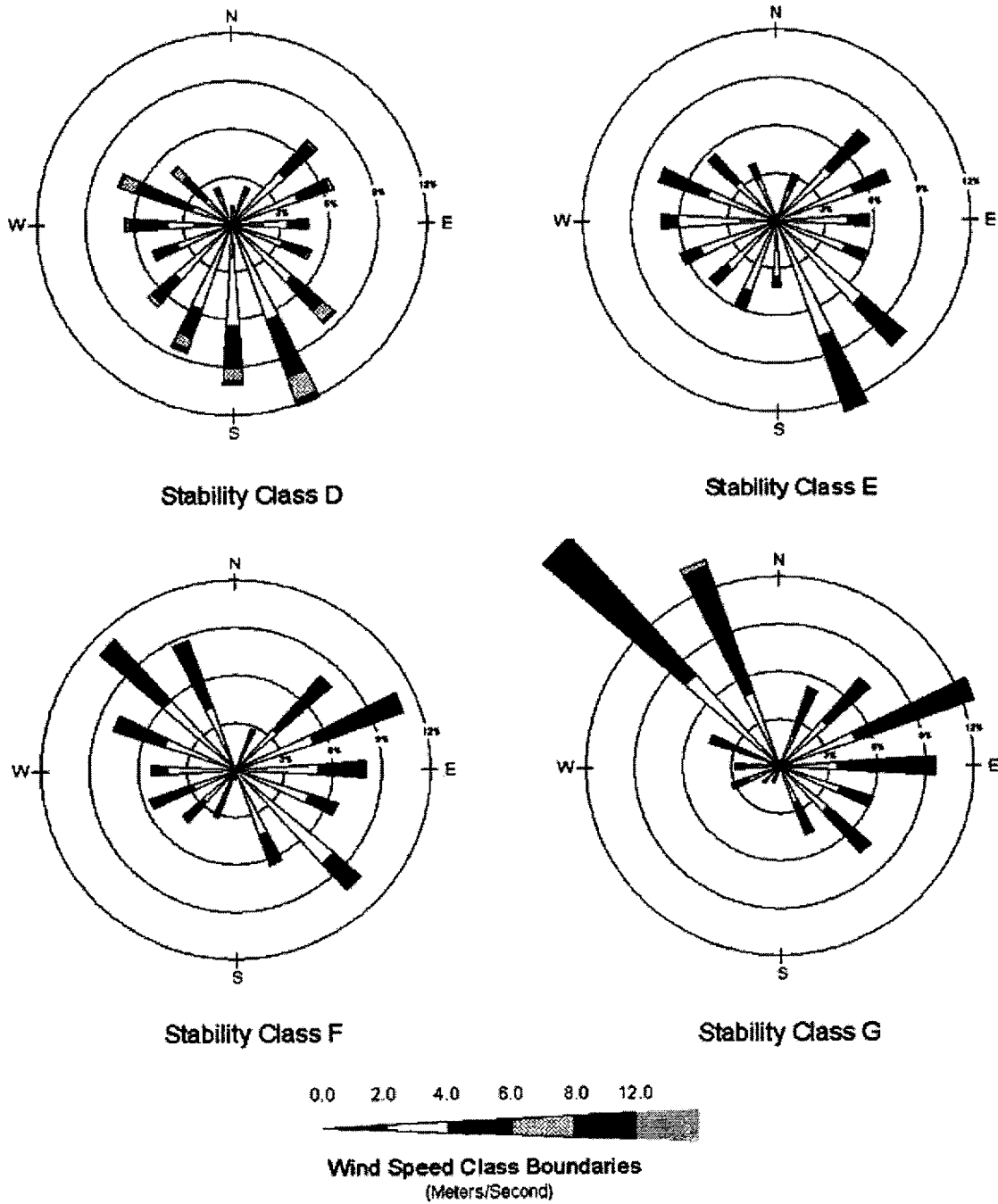
Note: plots indicate the wind direction sector from which the wind blows

Figure 1.4-3 Wind Rose Plots by Stability Class – C Area Tower, 1992-1996 (continued)



Note: plots indicate the wind direction sector from which the wind blows

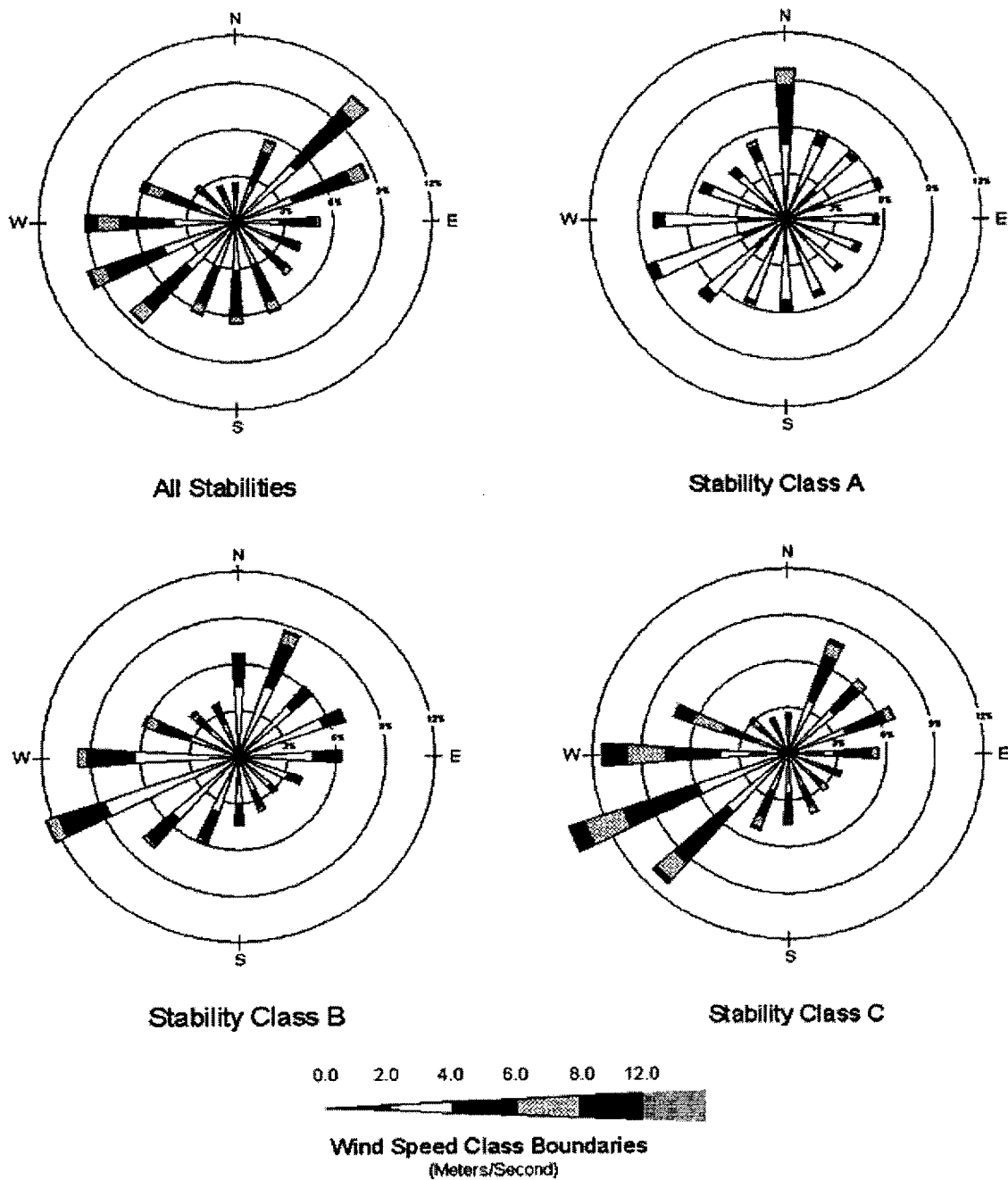
Figure 1.4-4 Wind Rose Plots by Stability Class – D Area, 1992-1996.



Note: plots indicate the wind direction sector from which the wind blows

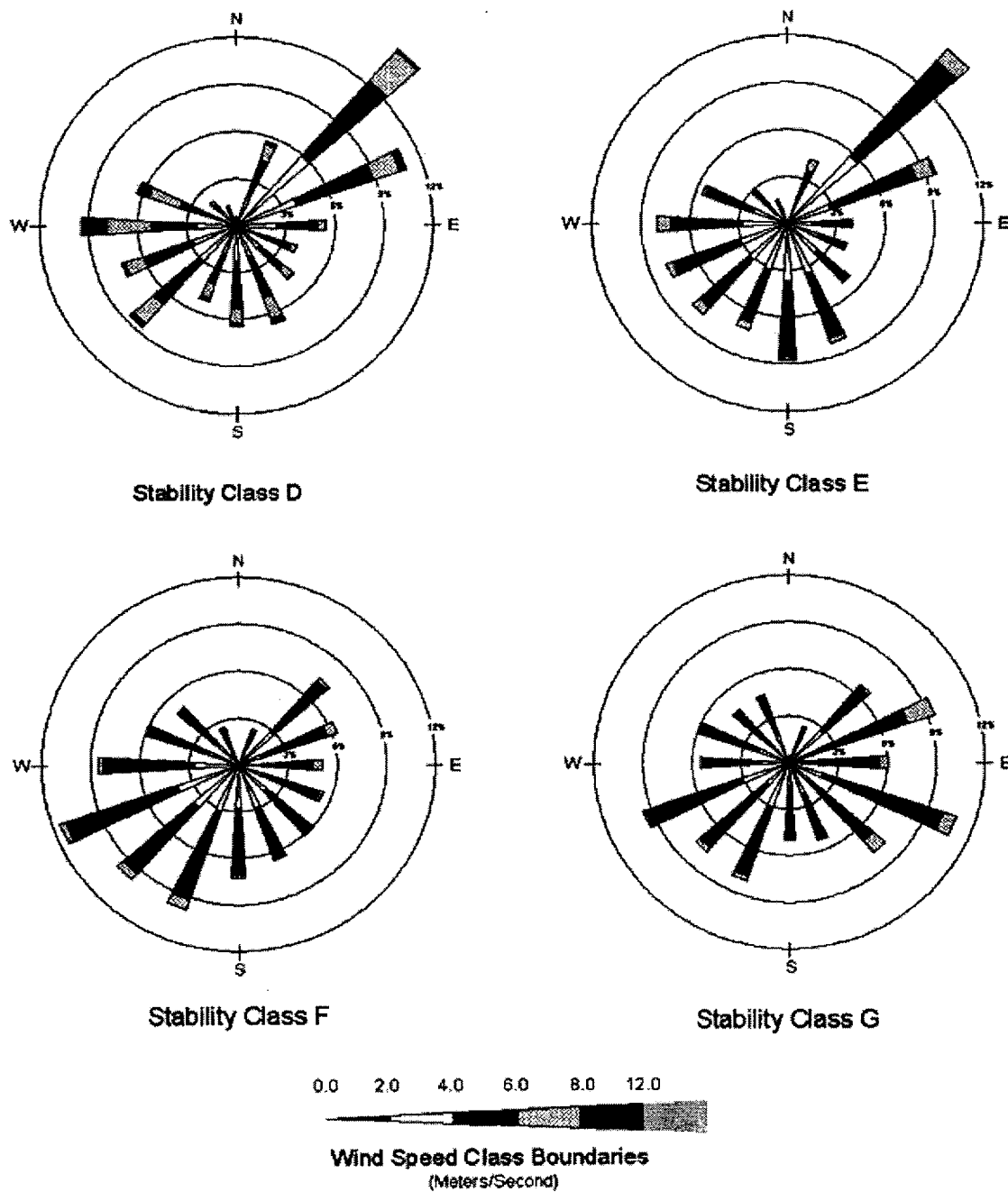
Figure 1.4-4 Wind Rose Plots by Stability Class – D Area Tower, 1992-1996 (continued)





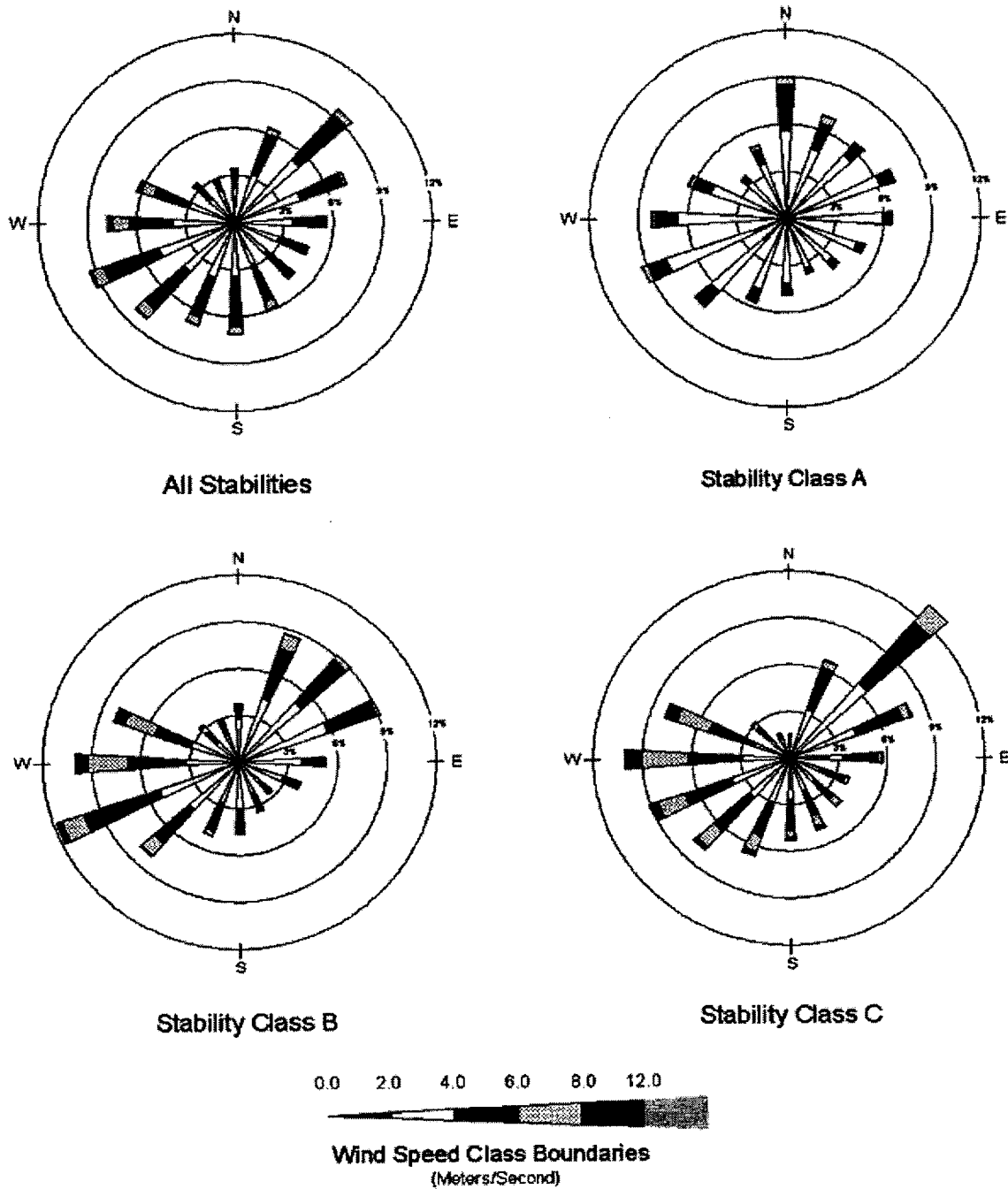
Note: plots indicate the wind direction sector from which the wind blows

Figure 1.4-5 Wind Rose Plots by Stability Class – F Area Tower, 1992-1996.



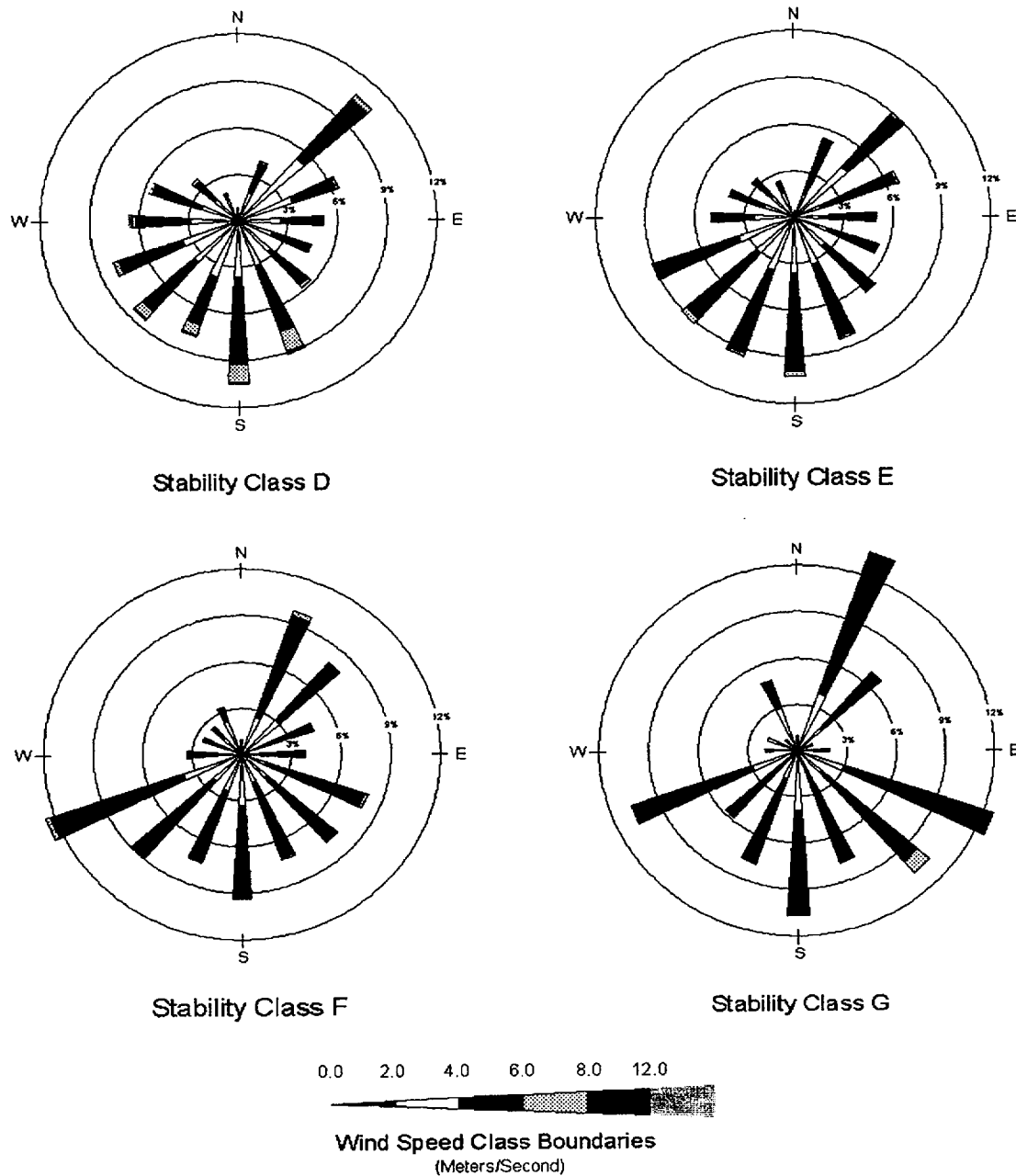
Note: plots indicate the wind direction sector from which the wind blows

Figure 1.4-5 Wind Rose Plots by Stability Class – F Area Tower, 1992-1996  
(continued)



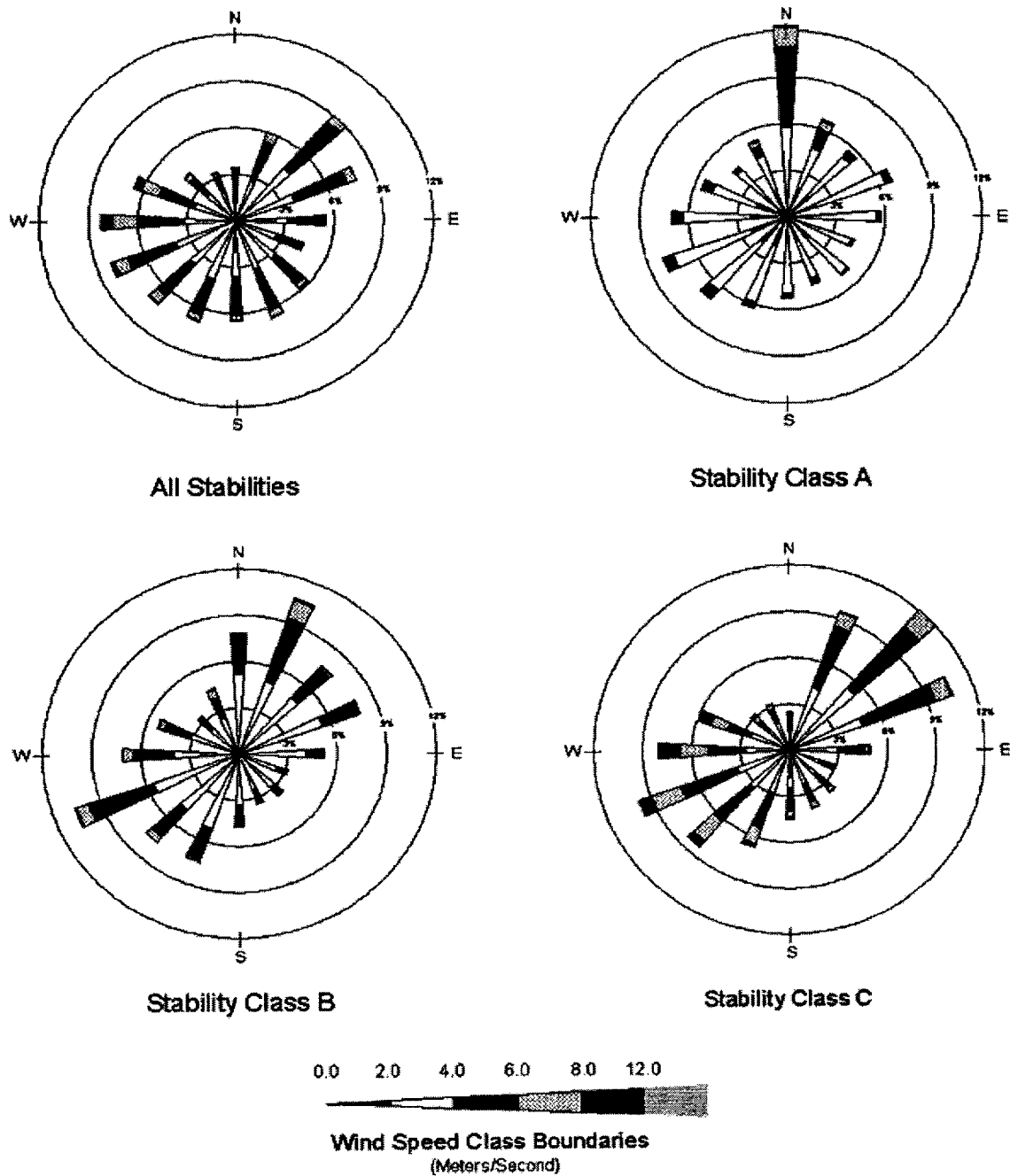
Note: plots indicate the wind direction sector from which the wind blows

Figure 1.4-6 Wind Rose Plots by Stability Class – H Area Tower, 1992-1996.



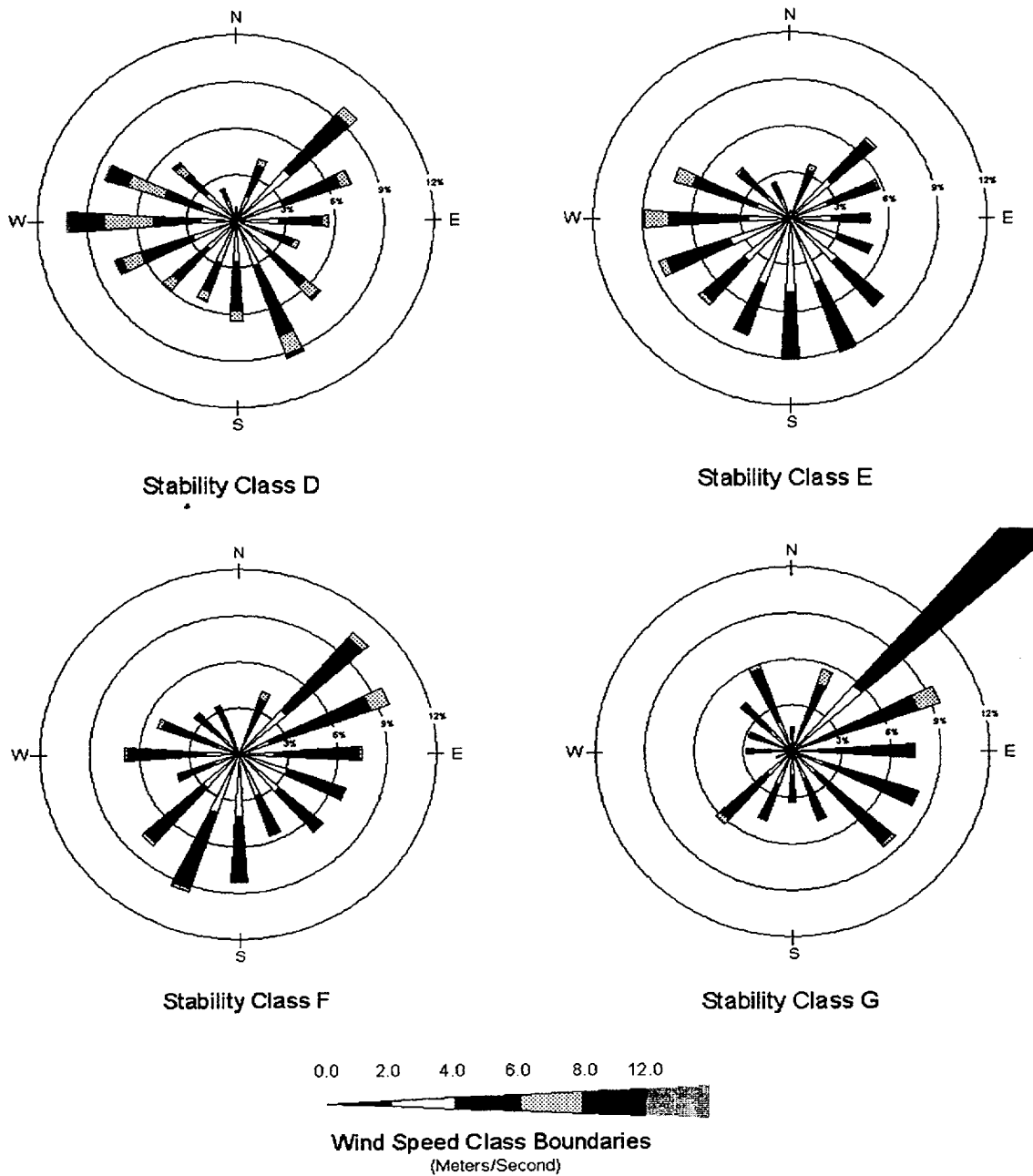
Note: plots indicate the wind direction sector from which the wind blows

Figure 1.4-6 Wind Rose Plots by Stability Class – H Area Tower, 1992-1996  
(continued)



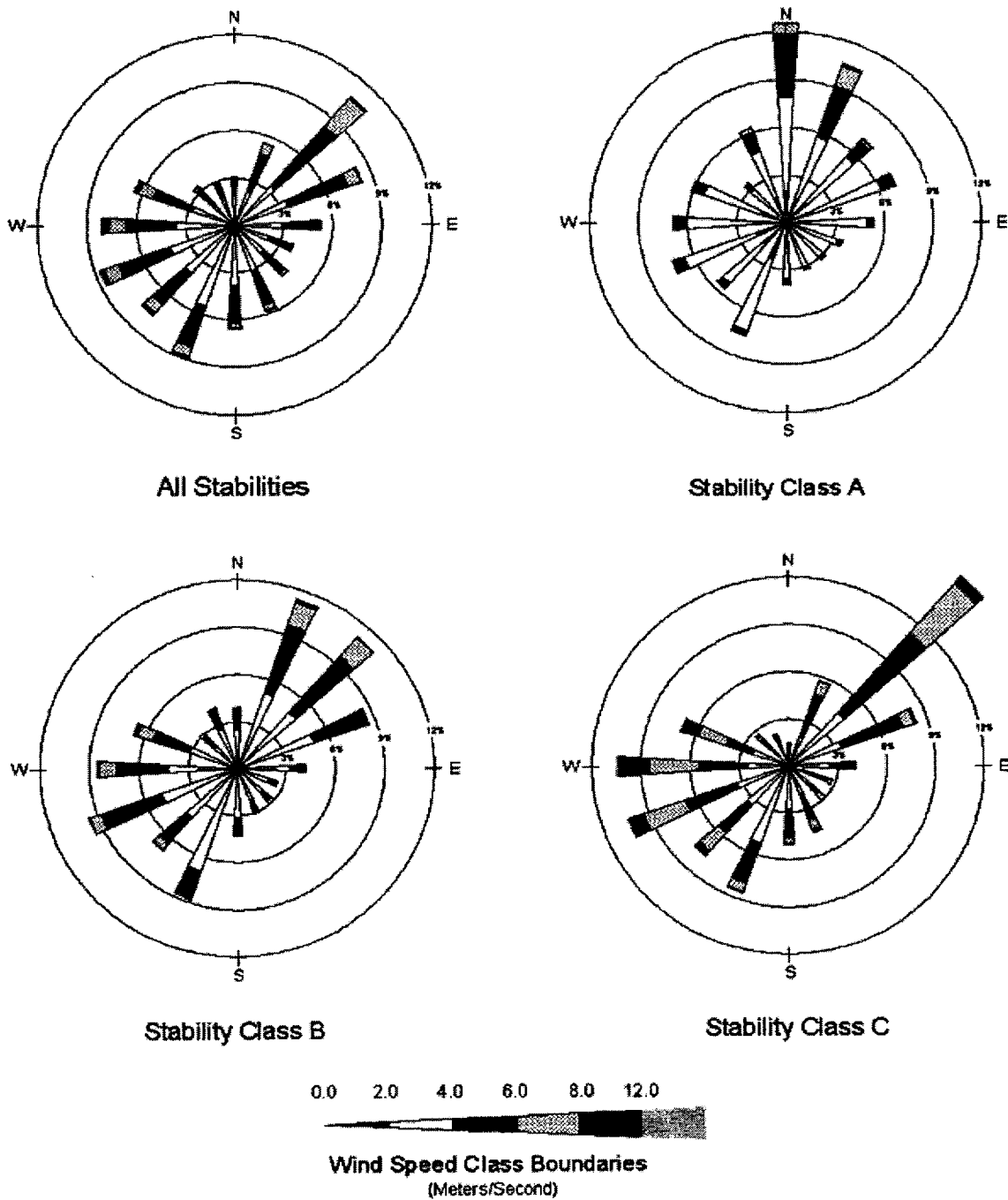
Note: plots indicate the wind direction sector from which the wind blows

Figure 1.4-7 Wind Rose Plots by Stability Class – K Area Tower, 1992-1996.



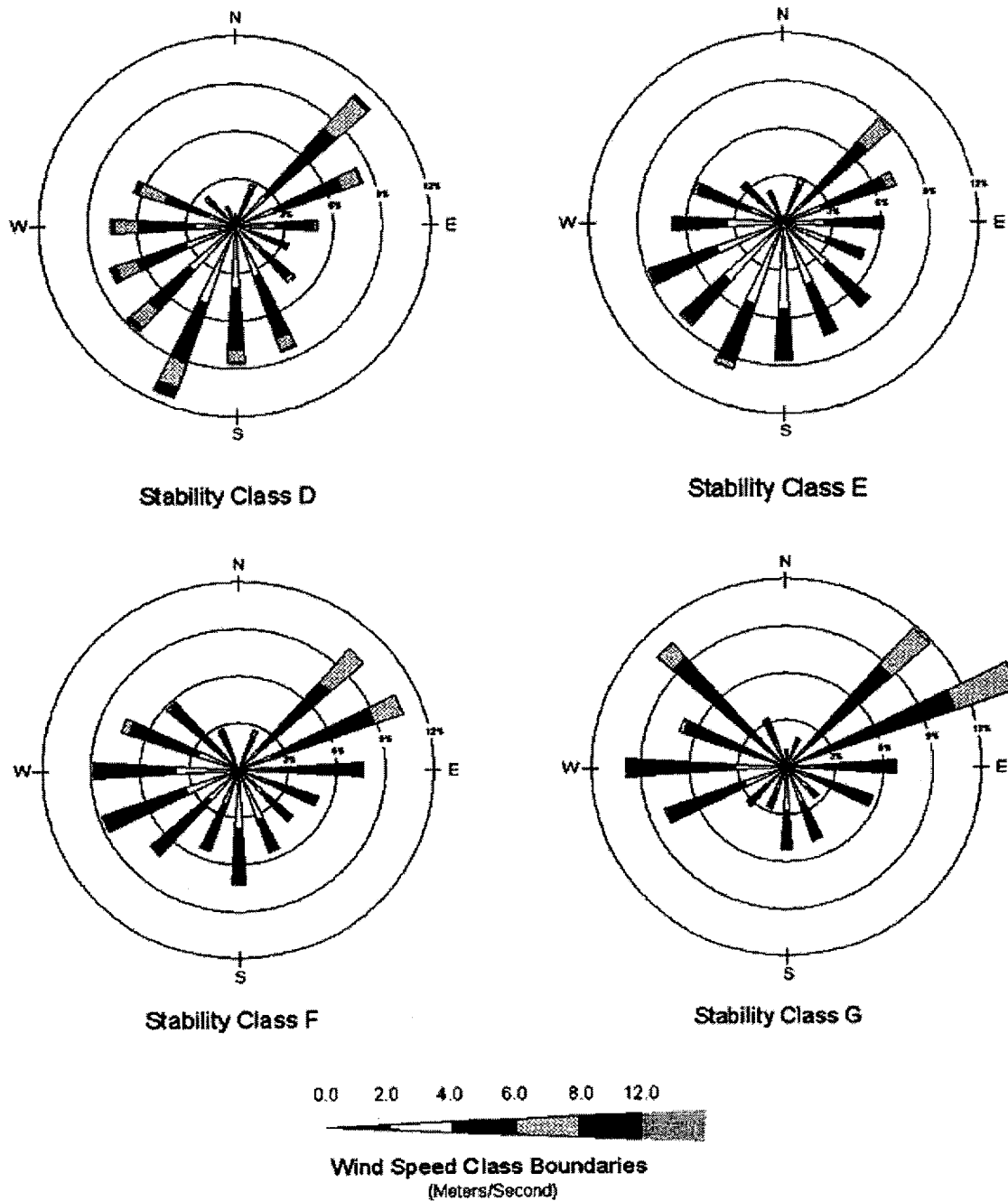
Note: plots indicate the wind direction sector from which the wind blows

Figure 1.4-7 Wind Rose Plots by Stability Class – K Area Tower, 1992-1996  
(continued)



Note: plots indicate the wind direction sector from which the wind blows

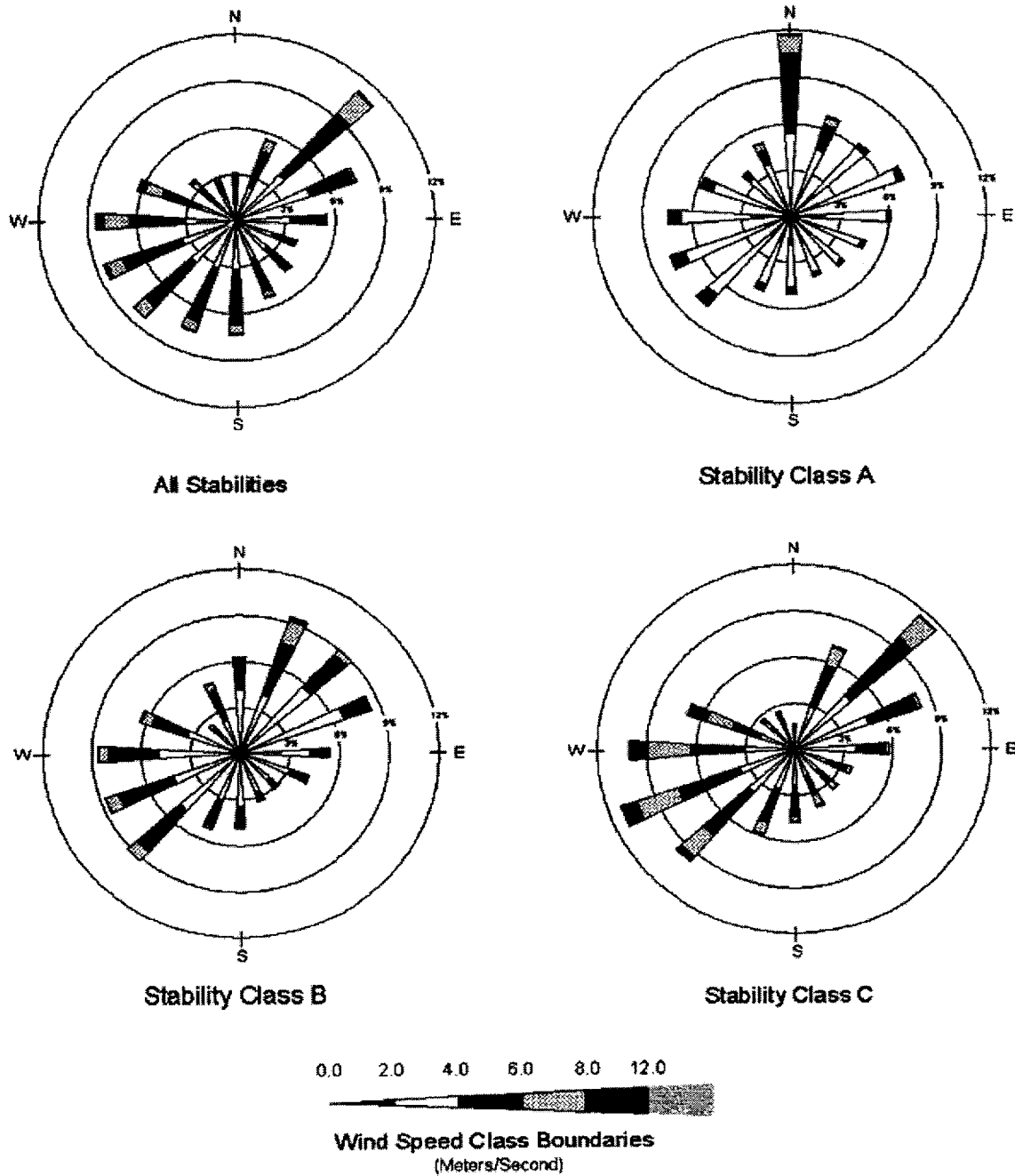
Figure 1.4-8 Wind Rose Plots by Stability Class – L Area Tower, 1992-1996.



Note: plots indicate the wind direction sector from which the wind blows

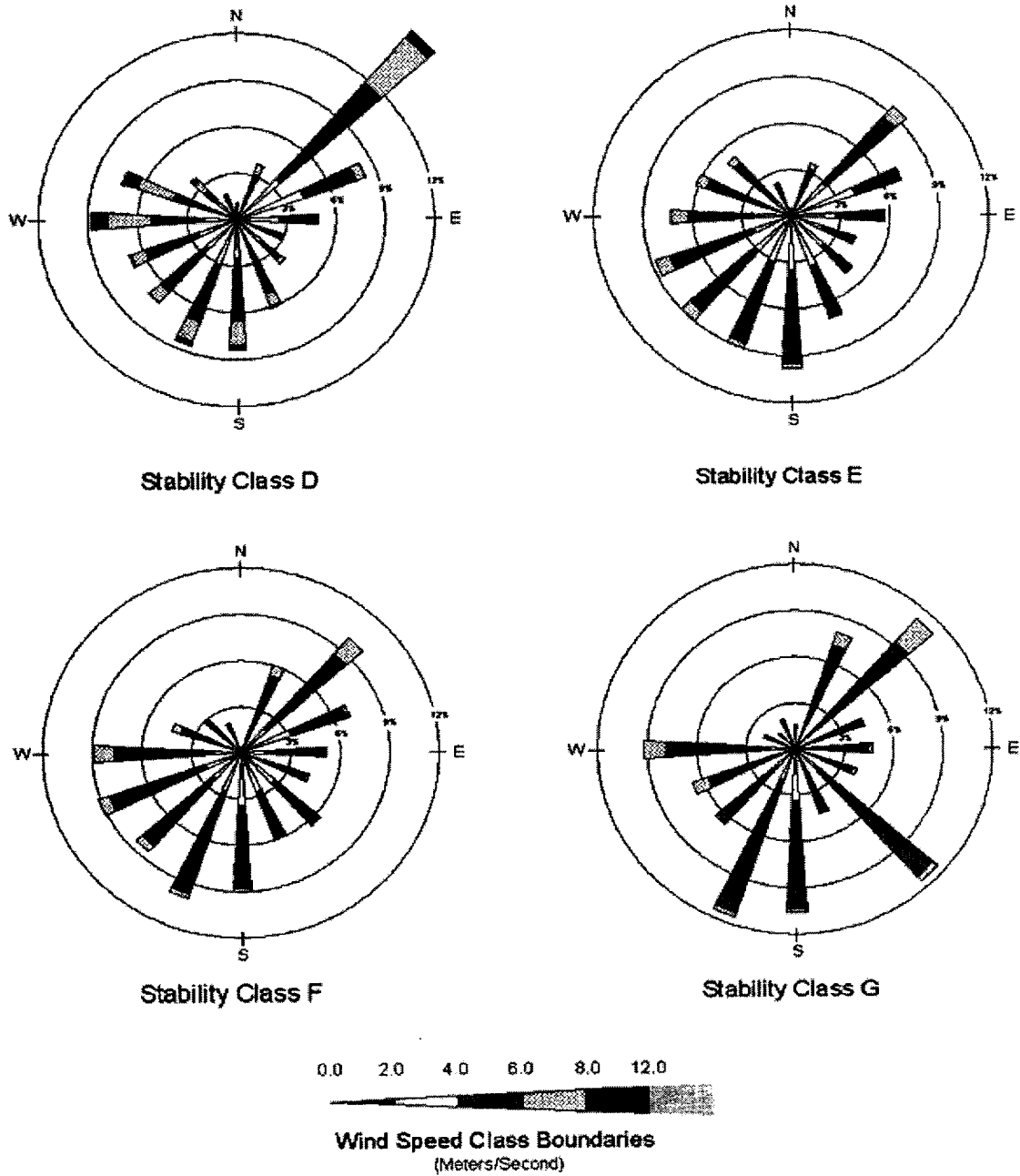
Figure 1.4-8 Wind Rose Plots by Stability Class – L Area Tower, 1992-1996  
(continued)





Note: plots indicate the wind direction sector from which the wind blows

Figure 1.4-9 Wind Rose Plots by Stability Class – P Area Tower, 1992-1996.



Note: plots indicate the wind direction sector from which the wind blows

Figure 1.4-9 Wind Rose Plots by Stability Class – P Area Tower, 1992-1996  
(continued)

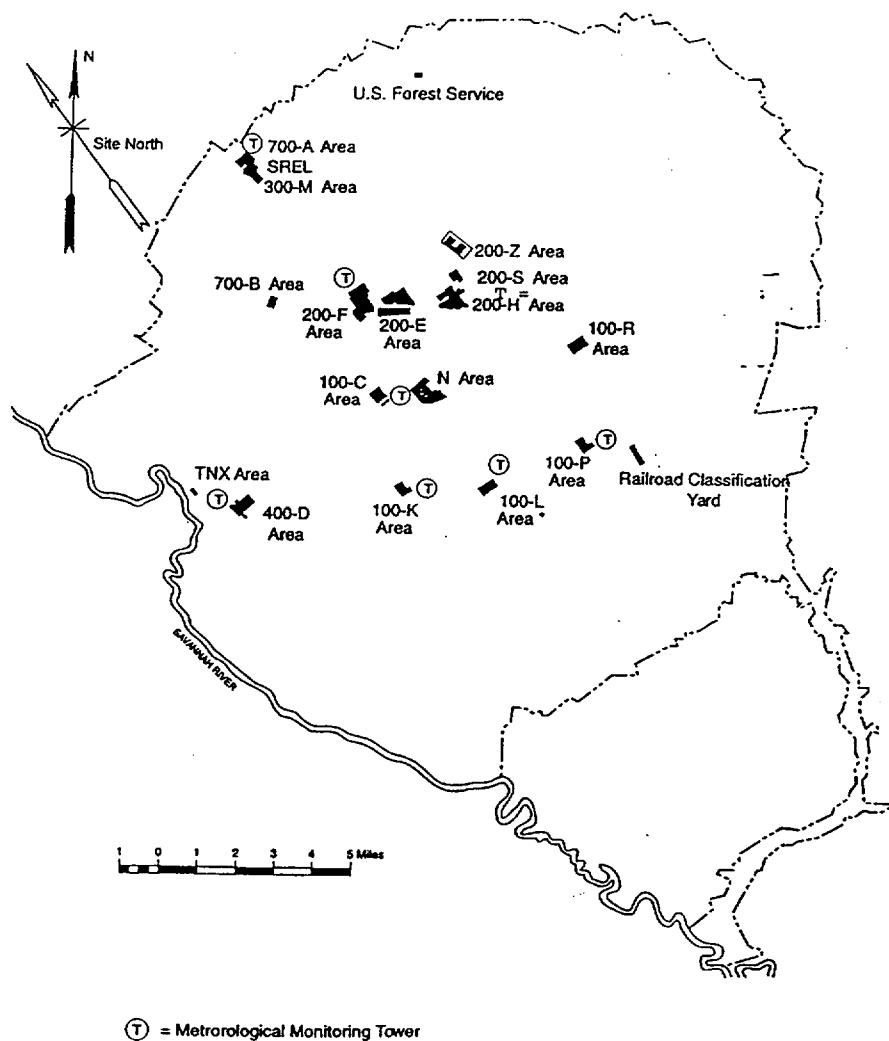


Figure 1.4-10 Locations of SRS Meteorological Monitoring Towers

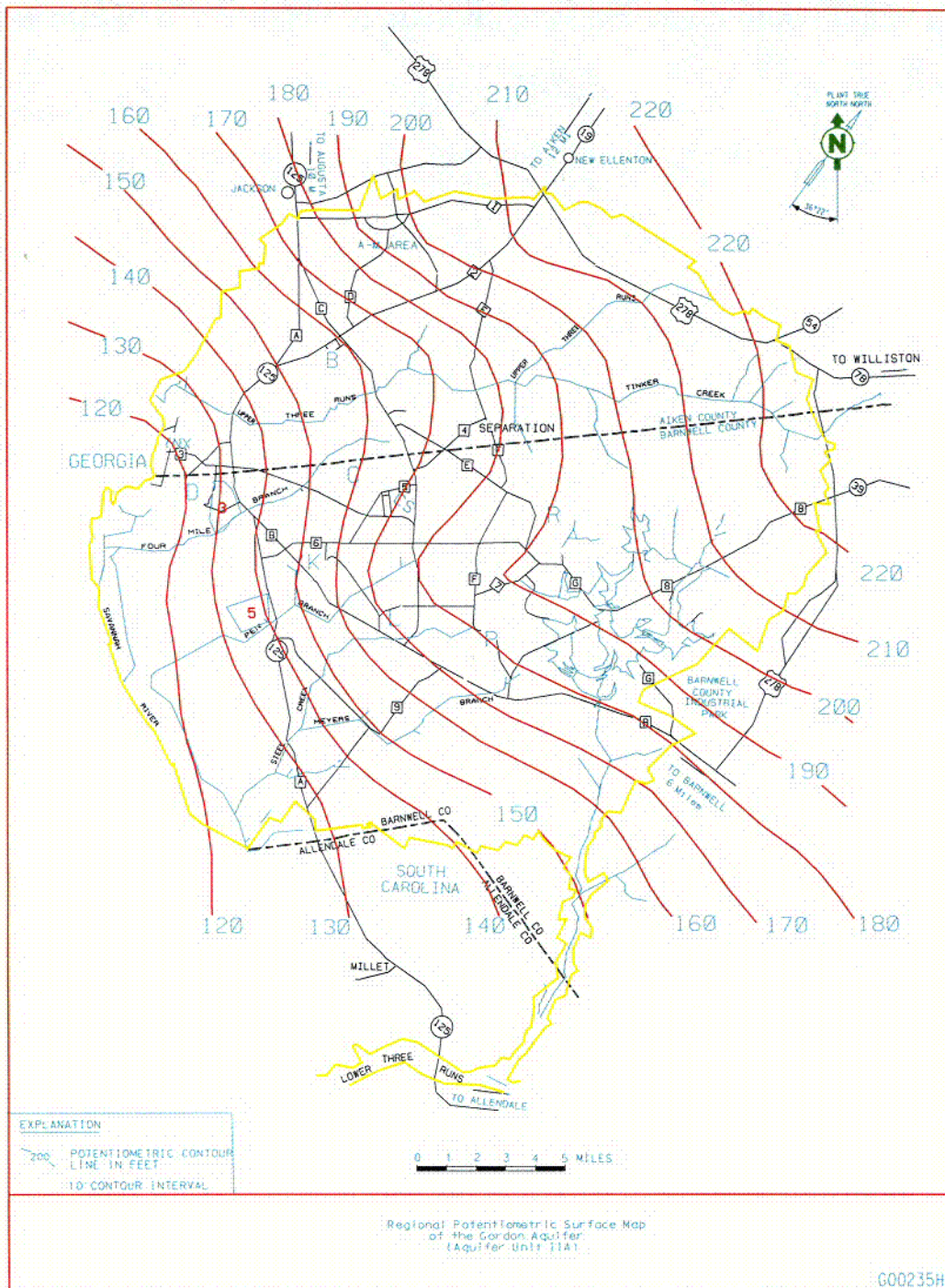


Figure 1.4-11 Regional Potentiometric Map of the Gordon Aquifer



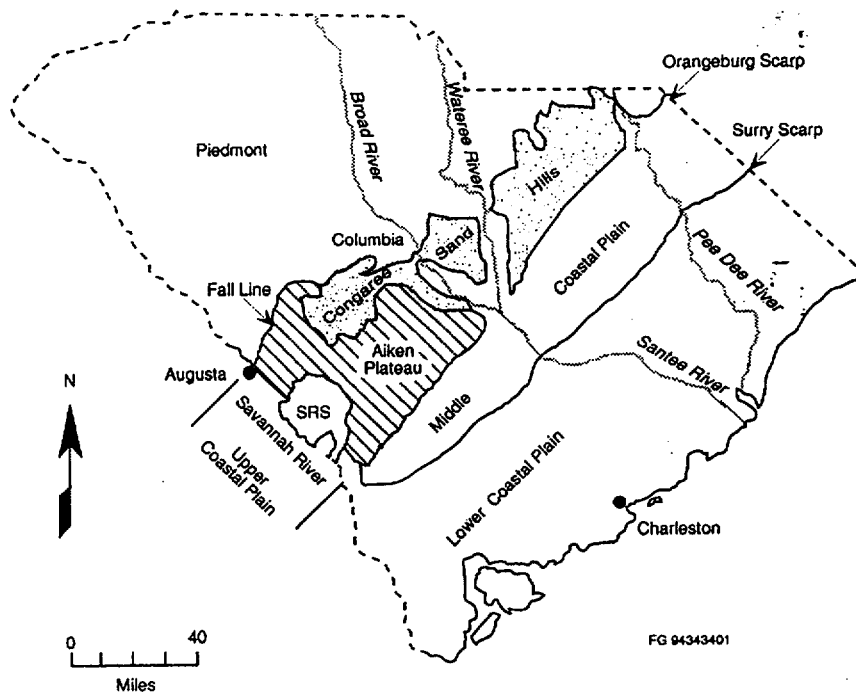


Figure 1.4-13 Physiography of the SRS Area

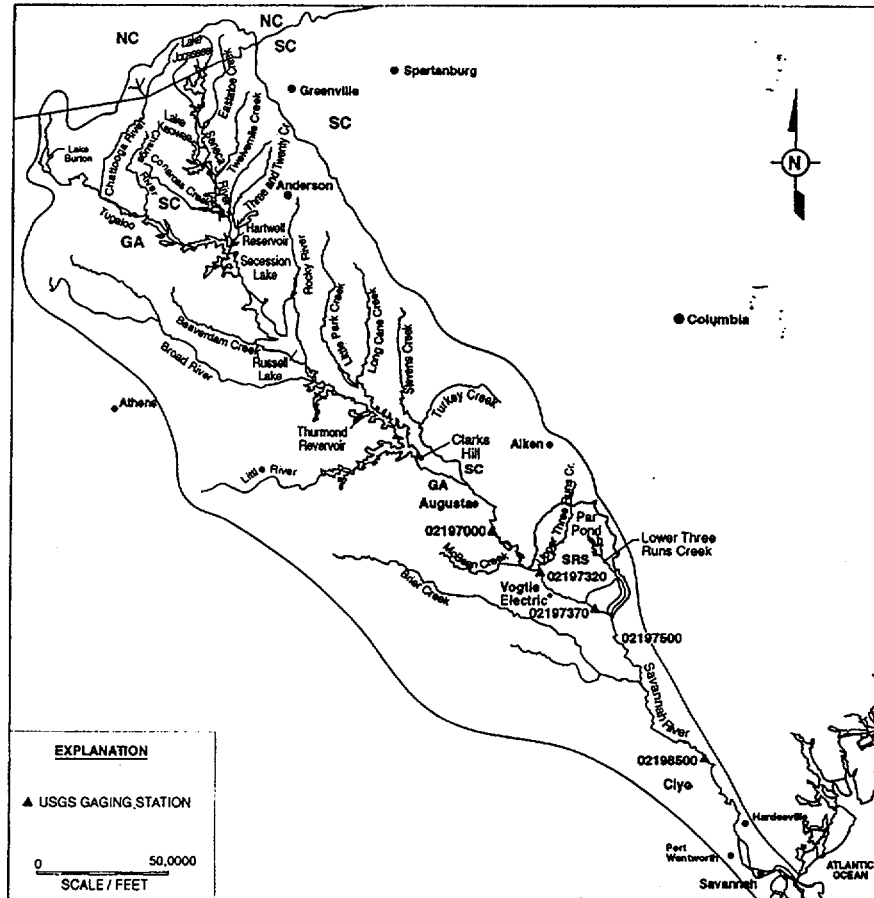


Figure 1.4-14 Savannah River Basin

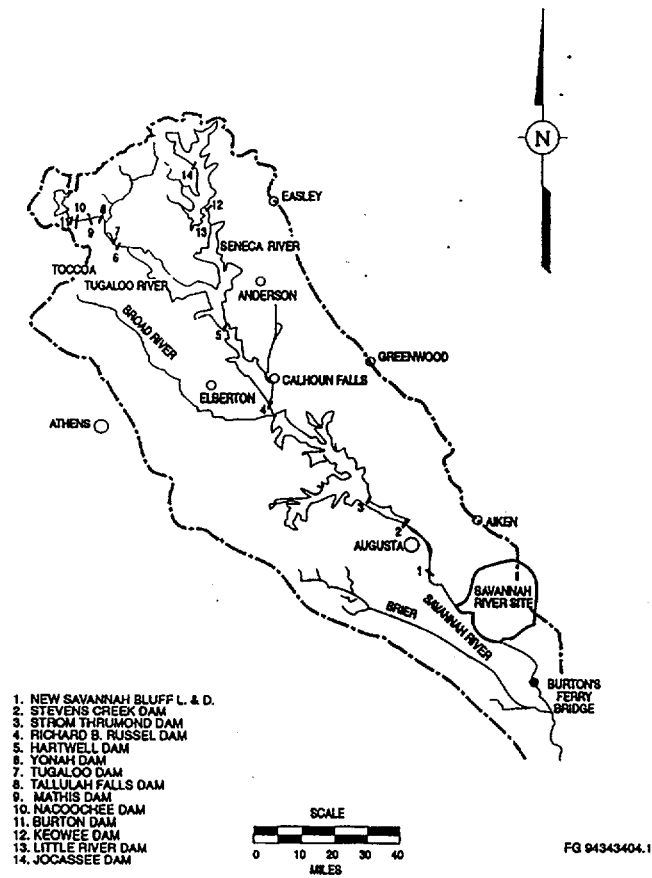


Figure 1.4-15 Savannah River Basin Dams Upstream of SRS



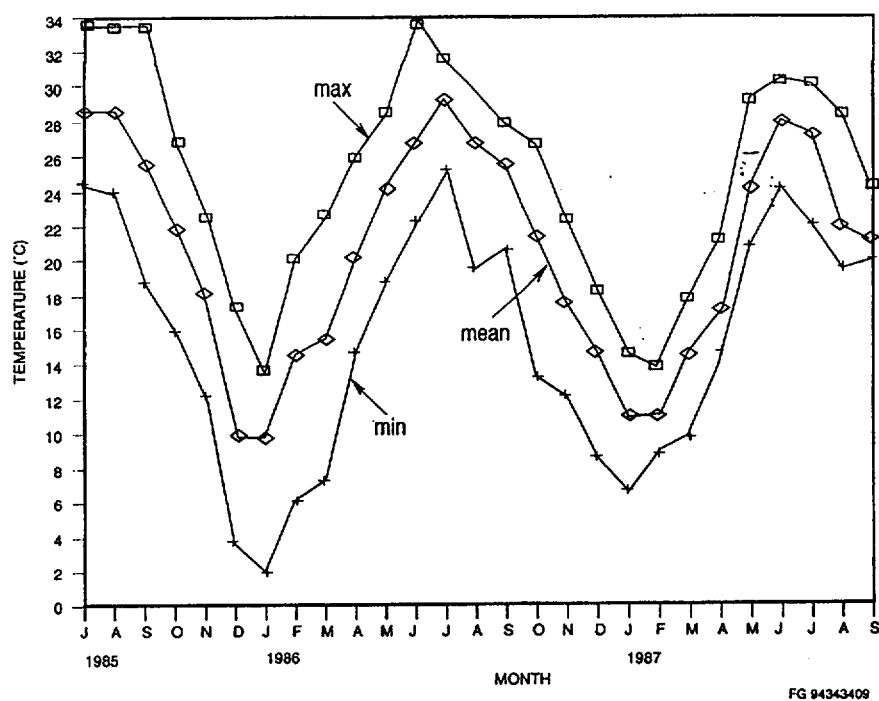


Figure 1.4-16 Monthly Range and Mean Water Temperature of Fourmile Branch for June 1985 Through September 1987

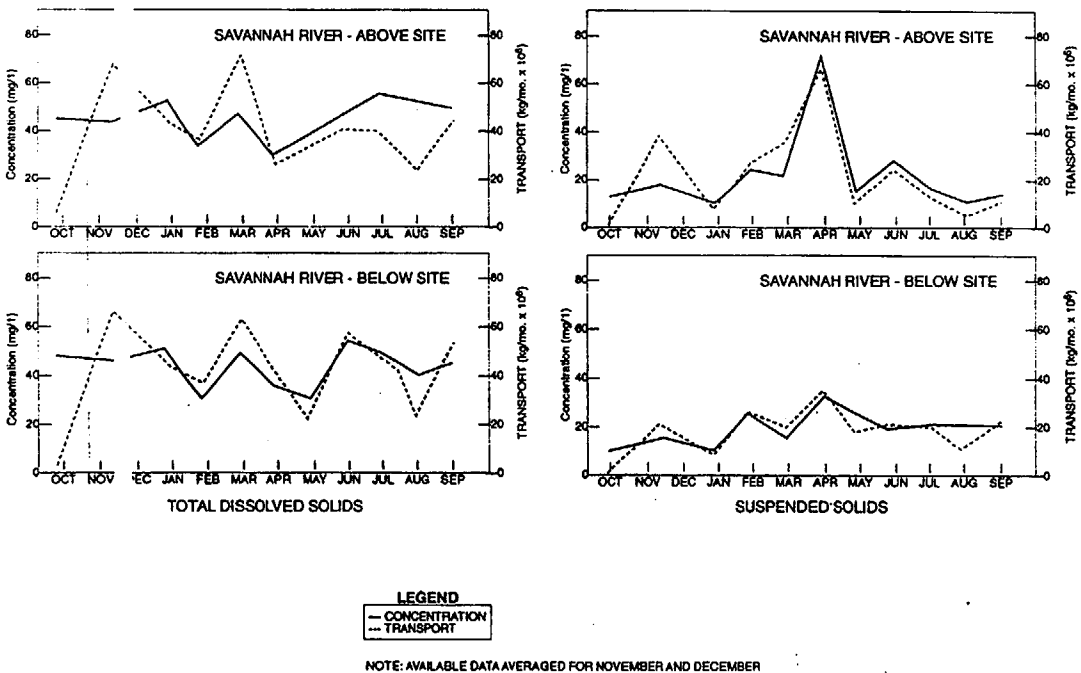


Figure 1.4-17 Concentration and Transport of Suspended and Dissolved Solids in the Savannah River (Water Year 1978)



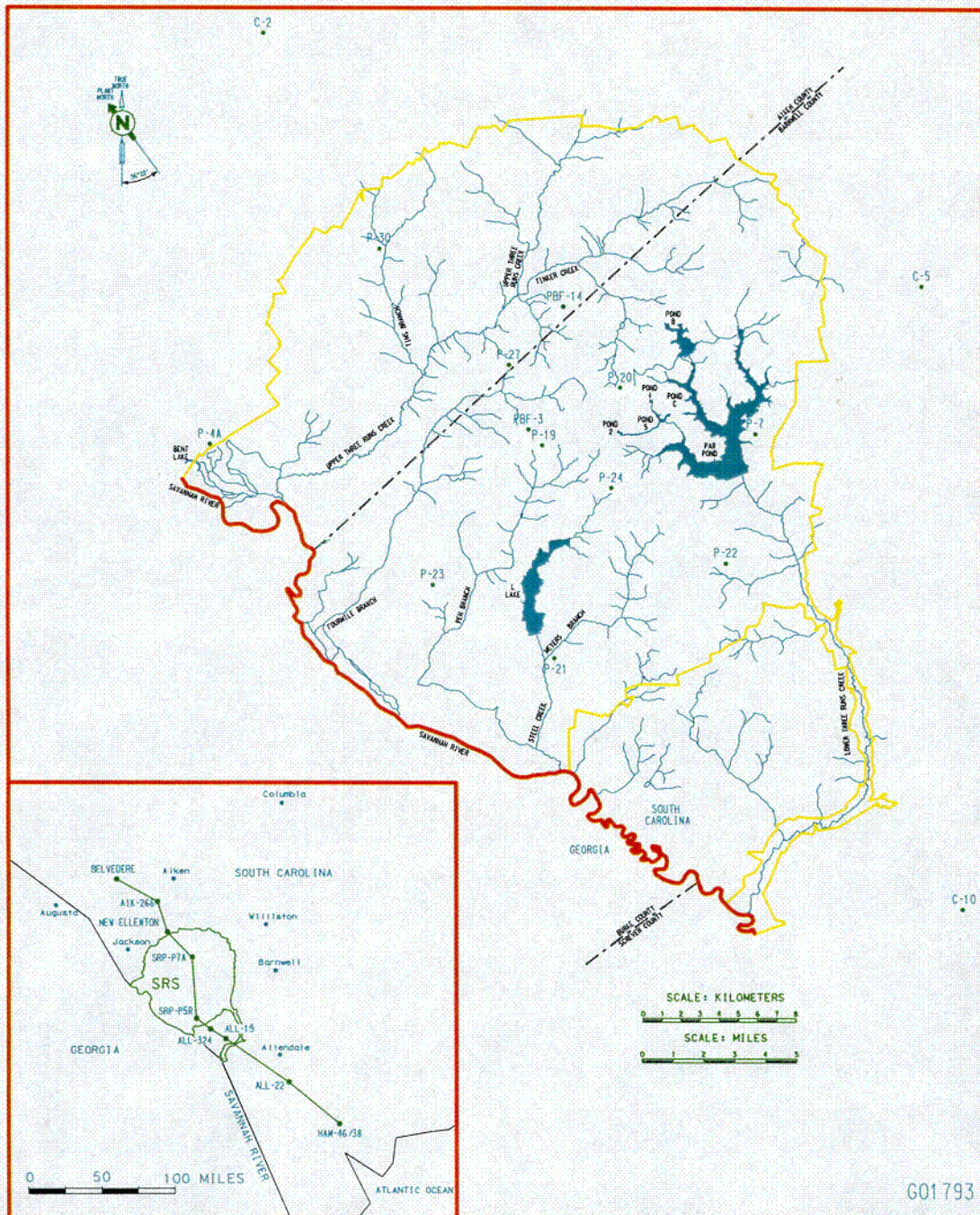


Figure 1.4-18 Type or Reference Well/Boring Location Map



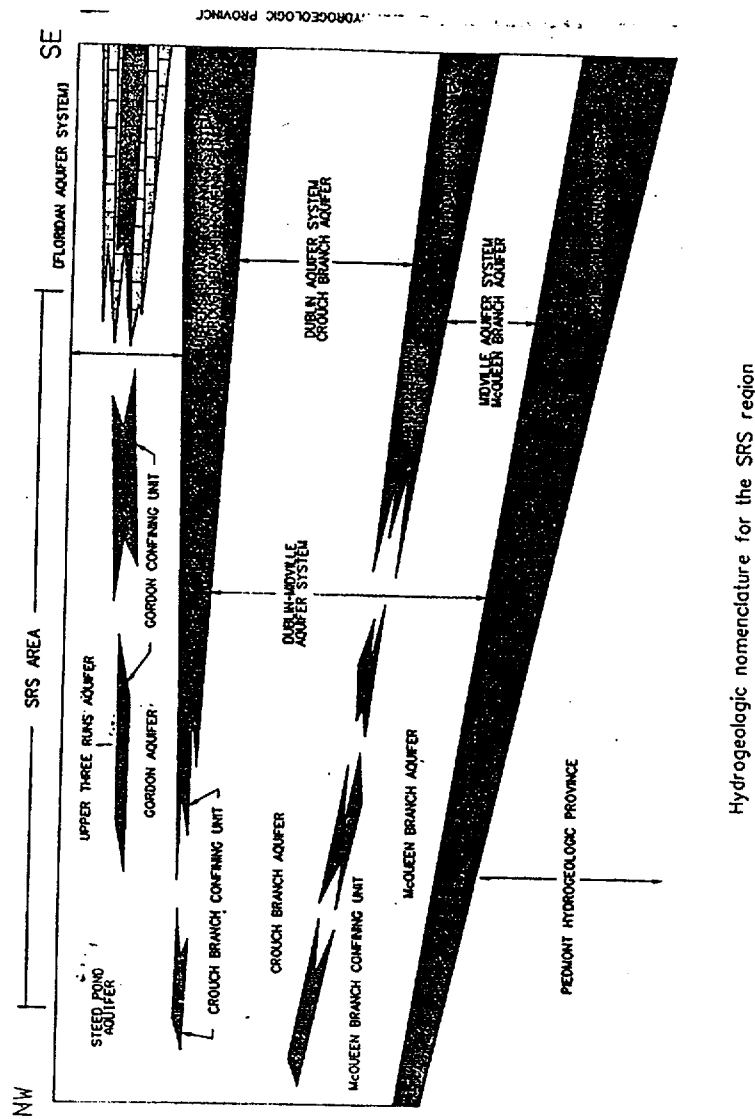


Figure 1.4-19 Generalized Hydrostratigraphic Cross Section of the SRS and Surrounding Region