

APPENDIX I

Control Points Location Map

APPENDIX I-A. Bogue Banks Survey Lines							
Coordinate System: US State Plane 1983			Zone: North Carolina 3200			Datum: NAD 1983	
Station	Northing	Easting	Elevation (ft) (NGVD 29)	Station	Northing	Easting	Elevation (ft) (NGVD 29)
1	330867.474	2572689.832	20.40	61	349177.479	2644931.988	25.78
2	330991.113	2573235.094	11.86	62	349410.417	2646286.220	18.74
3	331111.009	2573785.644	10.80	63	349638.740	2647563.062	20.10
4	331523.346	2574243.665	14.32	64	350004.567	2648793.844	12.32
5	331763.311	2574775.186	13.47	65	350028.337	2650123.079	20.16
6	332246.686	2575988.037	15.13	66	350213.027	2651351.122	18.13
7	332845.564	2577560.020	20.75	67	350436.506	2652550.570	12.37
8	333382.811	2578922.010	17.24	68	350593.657	2654045.099	17.80
9	334024.178	2580072.117	17.17	69	350773.424	2655057.892	16.32
10	334175.854	2581311.569	17.44	70	350943.563	2656289.967	18.11
11	334700.734	2582736.702	13.99	71	351221.338	2658165.096	21.70
12	335103.108	2583930.911	28.85	72	351363.903	2659558.203	25.33
13	335527.947	2585204.931	19.94	73	351505.841	2660980.399	21.69
14	335886.174	2586356.463	17.35	74	351655.241	2662188.228	20.84
15	336272.153	2587648.912	17.43	75	351876.932	2663671.872	9.06
16	336705.034	2589046.112	14.51	76	351925.521	2664781.927	14.90
17	337135.287	2590424.332	16.08	77	352040.000	2666067.233	18.04
18	337566.898	2591788.329	10.11	78	352113.668	2667012.507	23.34
19	337865.142	2592884.812	10.73	79	352281.982	2668446.615	14.77
20	338305.470	2594332.015	27.48	80	352316.082	2669345.629	22.56
21	338606.889	2595402.490	13.71	81	352396.345	2670439.958	13.87
22	338902.880	2596466.846	28.82	82	352391.440	2671147.391	11.20
23	339202.186	2597529.830	17.02	83	352448.532	2672146.590	13.99
24	339650.392	2599100.423	28.49	84	352492.196	2673146.724	14.94
25	339935.456	2600183.504	17.33	85	352536.722	2674148.855	0.00
26	340277.798	2601540.707	21.88	86	352581.874	2675149.238	15.18
27	340584.637	2602839.636	22.10	87	352627.143	2676142.394	14.70
28	340829.770	2603910.868	20.86	88	352713.265	2677132.237	19.40
29	341260.175	2605524.017	14.54	89	352720.409	2678139.252	16.78
30	341631.376	2607124.119	22.65	90	352698.169	2679238.247	9.45
31	342020.875	2608735.810	17.20	91	352666.362	2680150.651	15.54
32	342376.399	2610338.662	25.92	92	352654.137	2681150.211	12.20
33	342665.318	2611671.909	22.45	93	352621.153	2682149.058	11.77
34	342986.784	2613030.875	16.22	94	352627.721	2683041.287	6.05
35	343152.345	2614299.532	19.81	95	352599.356	2684064.459	12.72
36	343492.786	2615719.303	15.31	96	352530.940	2685058.032	10.22
37	343881.782	2616760.812	10.96	97	352418.704	2686050.553	10.92
38	344067.200	2617855.499	10.55	98	352282.928	2687041.428	13.59
39	344293.165	2618935.767	20.33	99	352143.665	2688057.120	8.86
40	344526.308	2620006.819	8.58	100	352070.713	2689027.508	11.06
41	344746.866	2621079.415	12.27	101	352034.121	2690030.544	14.45
42	344963.862	2622176.453	8.99	102	351852.363	2691014.759	12.59
43	345182.996	2623233.516	8.39	103	351668.114	2692014.253	15.08
44	345388.364	2624315.885	5.30	104	351612.095	2692988.051	13.94
45	345611.537	2625399.867	7.82	105	351657.598	2693980.463	14.22
46	345816.566	2626477.213	11.25	106	351668.344	2694979.479	16.29
47	346038.869	2627555.545	9.71	107	351673.586	2695510.307	12.97
48	346224.080	2628405.805	16.51	108	351728.096	2695977.642	13.40
49	346526.469	2629946.965	29.55	109	351713.101	2696510.182	20.01
50	346730.855	2631151.530	26.43	110	351719.255	2696969.978	18.78
51	346928.359	2632420.787	26.52	111	351882.251	2697672.005	4.64
52	347186.918	2633634.099	24.90	112	351908.375	2698171.401	7.02
53	347495.186	2635087.651	21.45	113	351908.375	2698171.401	7.02
54	347751.690	2636309.857	21.48	114	352407.757	2698143.486	12.32
55	347922.213	2637461.895	19.21	115	352906.867	2698117.081	15.29
56	348104.052	2638540.900	21.80	116	353393.789	2697868.202	11.17
57	348312.730	2639574.704	22.05	117	330867.500	2572689.800	0.00
58	348588.355	2641075.675	23.85	118	331221.000	2572336.300	0.00
59	348818.086	2642545.908	23.87	119	331574.600	2571982.700	0.00
60	349006.870	2643738.600	31.14	120	331928.100	2571629.200	0.00

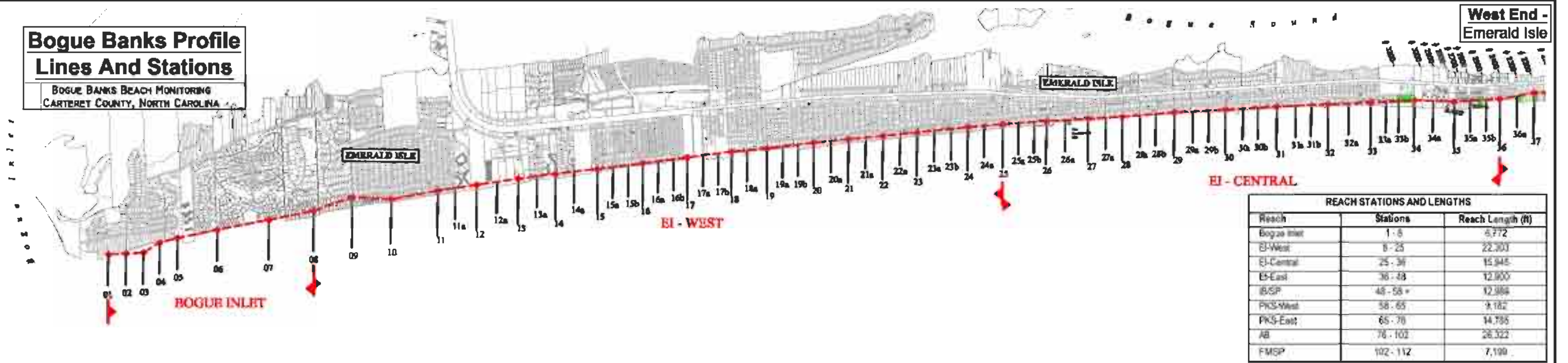
APPENDIX I-B. Bear Island Survey Lines : Magnetometer Area Coordinates		
Coordinate System: US State Plane (ft) Zone: North Carolina 3200 Datum: NAD 1983		
Station	Northing	Easting
BI-1	329507.627	2564837.415
BI-2	329122.110	2563914.714
BI-3	328736.593	2562992.013
BI-4	328351.076	2562069.312
BI-5	327965.559	2561146.612
BI-6	327580.042	2560223.911
BI-7	327194.525	2559301.210
BI-8	326809.008	2558378.509
BI-9	326423.491	2557455.809
BI-10	326037.974	2556533.108
BI-11	325652.457	2555610.407
BI-12	325266.941	2554687.706
BI-13	324881.424	2553765.005
BI-14	324495.907	2552842.305
BI-15	324110.390	2551919.604
BI-16	323724.873	2550996.903
BI-17	323339.356	2550074.202
BI-18	322953.839	2549151.502

APPENDIX I-C. Shackleford Banks Survey Lines : Magnetometer Area Coordinates				
Coordinate System: US State Plane (ft)		Zone: North Carolina 3200		Datum: NAD 1983
Station	Station (historical)	Northing	Easting	Bearing
SB-1	0+00	329549.17	2742451.60	S54 14'44"W
SB-2	20+51	331213.67	2741253.13	S54 14'44"W
SB-3	40+80	332700.60	2739872.83	S47 07'48"W
SB-4	58+82	334078.72	2738712.60	S49 54'22"W
SB-5	77+99	335292.23	2737227.67	S39 15'22"W
SB-6	96+76	336454.99	2735754.58	S38 17'08"W
SB-7	113+29	337328.08	2734351.35	S31 53'24"W
SB-8	130+01	338239.52	2732949.23	S33 01'32"W
SB-9	152+46	339206.87	2730923.41	S25 31'31"W
SB-10	170+79	340106.30	2729326.27	S29 23'09"W
SB-11	190+44	340760.12	2727473.87	S19 26'27"W
SB-12	210+08	341489.46	2725650.34	S21 47'58"W
SB-13	229+22	342308.51	2723920.52	S25 20'13"W
SB-14	248+67	342857.14	2722057.16	S16 24'23"W
SB-15	272+15	343746.86	2719880.13	S22 13'44"W
SB-16	293+38	344217.16	2717810.17	S12 48'01"W
SB-17	322+18	344992.38	2715036.23	S15 36'50"W
SB-18	343+08	345503.30	2713010.38	S14 09'17"W
SB-19	363+54	345902.12	2711003.21	S11 14'17"W
SB-20	383+92	346494.76	2709052.93	S16 54'09"W
SB-21	405+26	346689.77	2706928.30	SN5 14'40"W
SB-22	423+86	347434.58	2705224.61	S23 36'49"W
SB-23	444+93	348721.87	2703556.30	S37 39'16"W
SB-24	460+01	349695.53	2702404.52	S40 12'34"W

Bogue Banks Profile Lines And Stations

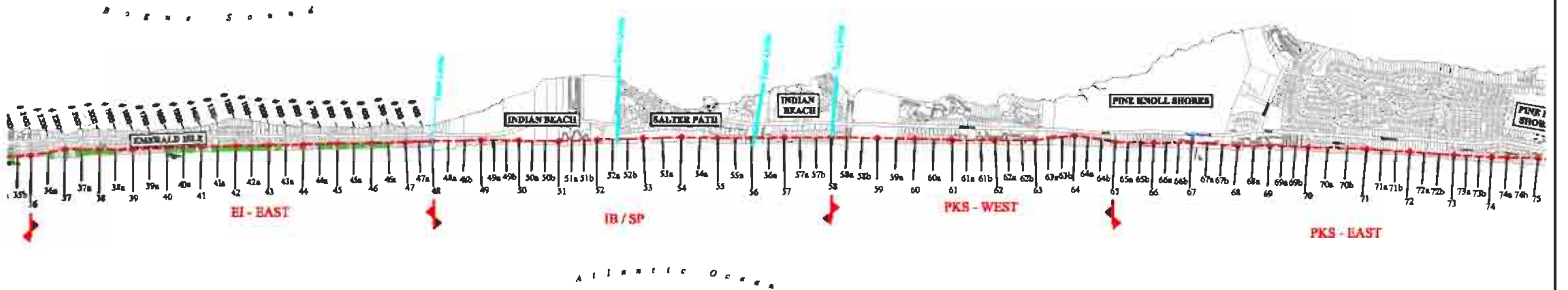
BOGUE BANKS BEACH MONITORING
CARTERET COUNTY, NORTH CAROLINA

West End - Emerald Isle

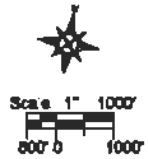
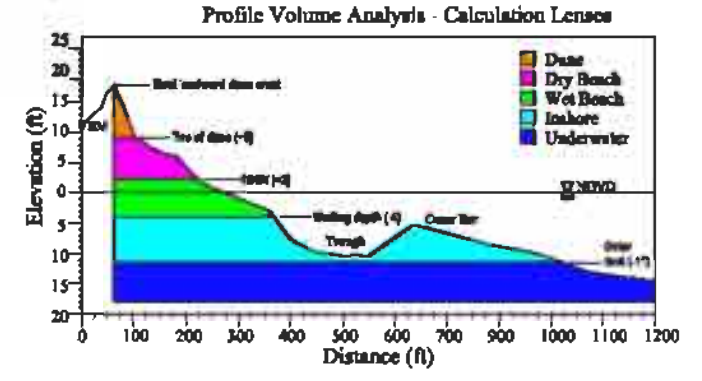
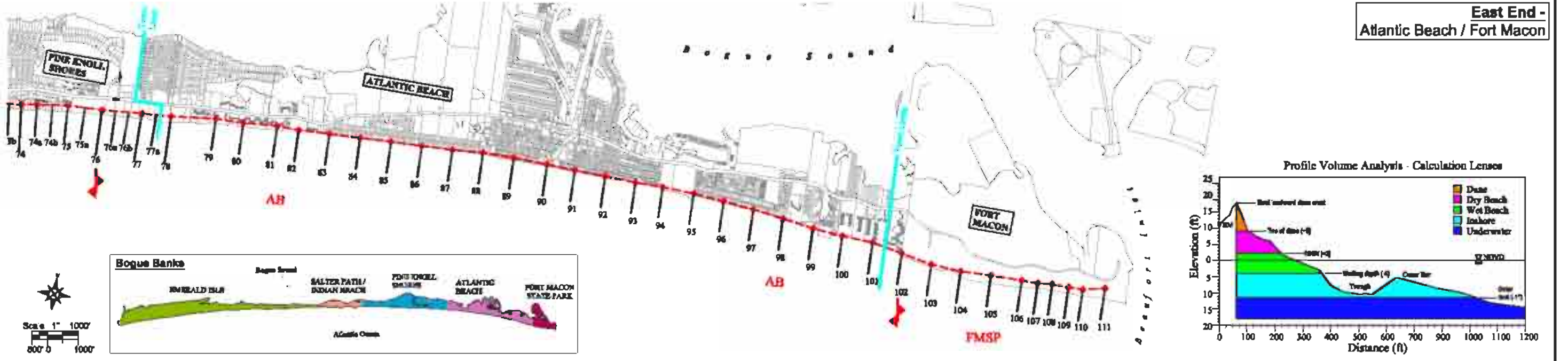


REACH STATIONS AND LENGTHS		
Reach	Stations	Reach Length (ft)
Bogue Inlet	1 - 8	8,772
EI - West	11 - 24	22,303
EI - Central	25 - 37	15,345
IB - East	38 - 48	12,950
IB - SP	48 - 58	12,988
PKS - West	58 - 65	9,182
PKS - East	65 - 78	14,795
AB	78 - 102	26,522
FMSP	102 - 112	7,199

Mid Island - Indian Beach / Salter Path / Pine Knoll Shores



East End - Atlantic Beach / Fort Macon



Plot Date: 26 October 2005
 Drawn by: C:\DATA\ACTIVE\Bogue General\BB ALL LINES H-1-204