

2004
HAZARD MITIGATION PLAN
for
HANCOCK COUNTY, MAINE



Proposed Plan: August 2004

Hancock County Emergency Management Agency
50 State Street, Ellsworth, ME 04605

HANCOCK COUNTY HAZARD MITIGATION PLAN

TABLE OF CONTENTS

I. Introduction	1
Municipal Populations (2000)	2
County Demographic Profile	3
II. Prerequisites	5
Adoption by the Local Governing Body	5
Multi-Jurisdictional Planning Participation	10
III. Planning Process	13
Documentation of the Planning Process	13
IV. Risk Assessment	17
Identifying Hazards	18
Profiling Hazard Events	23
County Base Maps	27
Municipal Base Maps	32
Assessing Vulnerability: Identifying Assets	91
Assessing Vulnerability: Estimating Potential Losses	94
Assessing Vulnerability: Analyzing Development Trends	113
Multi-Jurisdictional Risk Assessment	117
V. Mitigation Strategy	119
Local Hazard Mitigation Goals	120
Identification and Analysis of Mitigation Measures	123
Multi-Jurisdictional Mitigation Strategy Implementation and Administration of Mitigation Measures ...	136

HANCOCK COUNTY HAZARD MITIGATION PLAN

VI. Plan Maintenance Procedures	139
Monitoring, Evaluating, and Updating the Plan	140
Implementation Through Existing Programs	141
Continued Public Involvement	142
Appendix Attendance Rosters	

HANCOCK COUNTY HAZARD MITIGATION PLAN

I. INTRODUCTION

Understanding that the Local Mitigation Plan requirements in CFR §201.6 of the Interim Final Rule applies to local jurisdictions, the County of Hancock, State of Maine decided to complete a multi-jurisdictional mitigation plan to include and incorporate each of its member towns. This is due to the fact that the majority of these communities are too small to complete such an undertaking on their own. This county-wide mitigation planning effort encouraged agencies at all levels, local residents, businesses, and the non-profit sector to participate in the mitigation planning and implementation process. This broader public participation enabled the development of mitigation measures that are supported by these various stakeholders and reflects the need of the county-wide community.

Although the Rule criteria for the local plans require that communities only address natural hazards, the Hancock County Hazard Mitigation Planning Team decided to include man-made and technological hazards. We agreed with FEMA that in many instances, natural disasters have secondary effects, such as dams breaking due to floods, or hazardous material releases due to tornadoes. Multi-hazard plans better prepare communities in the event of such disasters.

The Hancock County Hazard Mitigation Plan includes the following sections:

- Prerequisites
- Planning Process
- Risk Assessment
- Mitigation Strategy
- Plan Maintenance Procedures

Hancock County in the State of Maine, occupies a very remarkable parcel of real estate. Nowhere along the East Coast of the United States is there such a diversity of landscape and such spectacular scenery. Cadillac Mountain, on Mount Desert Island, the largest island in Maine, is the tallest point on the East Coast. Deer Isle is the second largest island in Maine and there are hundreds of others, both in salt and fresh water.

Additionally, there is great diversity of people. The County consists of 51,714 residents and an estimated additional summer population of 21,344, which includes many famous and wealthy summer residents from around the world. Most of these populations are crowded onto the 952.7 miles of Hancock County coastline. The coastline is also where some areas, such as Mount Desert Island, home of Acadia National Park, experience a yearly visitation influx of approximately four million visitors.

There are thirty-six towns, one city (Ellsworth), and 15 Unorganized Townships covering 1,588 square miles, land covering 67.5% and water covering 32.5% of the County. Forests cover approximately 70% of the land area. Many of the County's 151 lakes and ponds are reached only by tote roads built by major paper companies or by hiking trails maintained by the State and National governments.

The largest employers in the County are Jackson Labs (1,300), International Paper (1,000), Maine Coast Memorial Hospital (800) and Hinckley Boats (250-500).

HANCOCK COUNTY HAZARD MITIGATION PLAN

MUNICIPAL POPULATIONS (2000 Census)

Town/City	Year Round Population	Seasonal Population	Density (/sq.mi)	Total Homes	Year Rd Homes	House hold Density
Amherst	230	56	5.9	153	107	2.15
Aurora	121	116	3.2	119	50	2.42
Bar Harbor	4,820	1,048	114.2	2,805	2,142	2.25
Blue Hill	2,390	700	38.2	1,486	1,074	2.23
Brooklin	841	612	46.8	697	371	2.27
Brooksville	911	722	29.3	791	412	2.21
Bucksport	4,908	274	95.2	2,282	2,049	2.40
Castine	1,343	508	172.2	649	372	3.61
Cranberry Isles	128	508	40.3	344	60	2.13
Dedham	1,422	958	36.2	1,055	564	2.52
Deer Isle	1,876	1,430	63.2	1,575	781	2.40
Eastbrook	370	504	11.1	426	156	2.37
Ellsworth	6,456	1,086	81.5	3,442	2,755	2.34
Franklin	1,370	570	37.3	902	579	2.37
Frenchboro	38	64	7.9	59	18	2.11
Gouldsboro	1,941	942	42.1	1,328	801	2.42
Great Pond	47	74	1.3	67	19	2.47
Hancock	2,147	434	72.0	1,200	927	2.32
Lamoine	1,495	354	83.6	803	605	2.47
Mariaville	414	300	10.6	318	149	2.78
Mount Desert	2,109	1,764	57.1	1,900	962	2.19
Orland	2,134	640	45.5	1,253	880	2.43
Osborn	69	146	1.9	108	30	2.30
Otis	543	862	21.8	678	229	2.37
Penobscot	1,344	310	33.7	723	533	2.52
Sedgwick	1,102	332	40.8	671	470	2.34
Sorrento	290	292	72.6	282	128	2.27
Southwest Harbor	1,966	652	145.6	1,288	899	2.19
Stonington	1,152	676	117.5	909	502	2.29
Sullivan	1,185	376	44.6	709	480	2.47
Surry	1,361	676	36.5	913	551	2.47
Swans Island	327	520	23.4	421	142	2.30
Tremont	1,529	740	90.7	1,075	662	2.31
Trenton	1,370	438	75.3	816	574	2.39
Verona Island	533	44	85.6	262	223	2.39
Waltham	306	106	10.3	176	111	2.76
Winter Harbor	988	266	68.8	558	402	2.46
Unorganized Townships	138	1,244				
TOTAL	51,714	21,344		33,243	21,769	

HANCOCK COUNTY HAZARD MITIGATION PLAN

COUNTY DEMOGRAPHIC PROFILE - Hancock County, State of Maine

Measure	2000 Hancock	1990 Hancock	2000 Maine	2000 USA
Population				
Total Population	51,714	46,948	1,274,923	281,421,906
% White	97.6	98.9	96.9	62.6
% Black	0.3	0.2	0.5	12.3
% American Indian	0.4	0.4	0.6	0.9
% Asian	0.4	0.3	0.7	3.6
% Hispanic Origin	0.6	0.5	0.7	12.5
Households				
Total Households	21,864	18,342	518,200	105,480,101
Household Population	50,484	45,449	1,238,498	
Avg. Household Size	2.31	2.48	2.39	2.6
Income				
Median Household Income (\$)	33,397	25,247	37,240	41,994
Persons below poverty, % 1997	10.1	10.0	10.9	12.4
Children below poverty, % 1997	14.5	10.6	13.0	16.1
Sex and Age				
Median Age, Total Population	40.7		38.6	35.3
% Female	51.1	50.9	51.3	50.9
% Male	48.9	49.1	48.7	49.1
% Under 5 Years	4.9	5.9	5.5	6.8
% 18 Years and over	77.7	75.9	76.4	74.3
% 65 Years and over	16.0	15.2	14.4	12.4
Population Density (sq. mi.)	33.9	30.5	41.3	79.6

HANCOCK COUNTY HAZARD MITIGATION PLAN

This Page Left Blank