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COMPLIANCE WITH NEW YORK STATE COASTAL
STRUCTURES PERMITTING REGULATIONS.
DEVELOPMENT OF A METHODOLOGY AND APPLICATION
TO THE TOWN OF EAST HAMPTON, NEW YORK
FOR THE PERIOD FROM 1974 TO 1976.

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J. W. Snow
P. K. Weyl

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JR Schubel
J. R. Schubel, Director

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I. INTRODUCTION

The purpose of this study is to determine the effectiveness of the present permitting system for controlling shoreline structures and to suggest possible improvements. Utilizing aerial photographs and topographic maps to create a computerized index of the structures, a comparison could be made between the years 1974 and 1976, inclusive, to determine what structures were built during this period. A listing of structures constructed during the interval was then compared with a list of the permits issued to identify those newly built structures for which a permit had or had not been issued according to the Department of Environmental Conservation (DEC) files searched.

II. PERMIT PROCEDURES

Any physical alterations of the coastal marine zone, whether by construction, dredging or spoil disposal in or near a waterway, freshwater wetland, or tidal wetland, are regulated by an extensive government permit program. These coastal construction regulations, which have been adopted by all levels of government, are designed to protect both the rights of the public and the environment. They are based primarily on two principles: 1) construction and development should not benefit a private owner at the expense of infringing upon the "public interest," and 2) while water resources should be put to the best present use, they must still be preserved for the use of future generations.

The decision as to whether a permit will be issued rests on an examination of the effects of the proposed work on several relevant factors, including navigation, fish and wildlife, conservation, pollution, aesthetics, ecology, and the general public interest. "Protection" and "preservation" are the keywords in the governments' evaluation of an activity or possible impact in three major areas:

- 1) the maintenance of water quality
- 2) the conservation of wetlands resources
- 3) the prevention of obstruction and alteration of navigable waters

Different environmental regulations have been created by various government offices to safeguard water and adjacent land resources. Town and city administrations have adopted zoning ordinances and planning procedures designed to insure orderly development of their lands; state agencies manage conceptual plans and are responsible for a variety of zoning and regulatory activities; the federal government has the authority to set standards of quality which must be met nationwide.

In addition to receiving local authorization, permits for all work in New York coastal areas must be obtained from two government agencies: the Army Corps of Engineers (COE) legislates on the Federal level, and the New York State Department of Environmental Conservation (DEC) oversees for the State. Generally, after local permission has been acquired, a permit must be issued by DEC (or be in the process of evaluation) before the Corps will make a decision on a project application.

COE

The Corps of Engineers is the branch of the Department of Army which handles all civil functions. This includes the execution and management of river, harbor, and flood control improvements, and the administration of certain laws enacted by Congress for the protection and preservation of navigation and navigable waters in the United States.

In order to decentralize their operations and expedite permit procedures, the United States has 10 COE divisions (headed by a Division Engineer) which are divided into 38 districts (each with their own District Engineer). Parts of New York

State are included in each of five districts: Baltimore, Buffalo, New York City, Philadelphia, and Pittsburgh.

The District Engineer (DE) is empowered to grant permits for construction, dredging, fill discharge and transportation of dredged material (spoil) in all navigable waters in his district. The evaluation procedure begins when a full application is submitted to the D.E. This includes a completed ENG form 4345 accompanied by a detailed description of plans for any proposed and completed work.

After all required information has been provided, the petition is circulated to several government advisory agencies and a public notice is issued to inform all interested parties of the proposed activity. During this 30 day period, comments and suggestions are offered on the suitability of the project and its probable impact on the public interest. According to the public notice distributed by the Corps, the following factors are considered relevant in evaluating a project's suitability:

"...conservation, economics, aesthetics, general environmental concerns, historic values, fish and wildlife values, flood damage prevention, land use, navigation, recreation, water supply, water quality, energy needs, safety, food production, and, in general, the needs and welfare of the people."

The government agencies consulted during this period may include: The Environmental Protection Agency, The National Marine Fisheries Service, The U.S. Fish and Wildlife Service, The Coastal Engineering Research Center, The Federal Water Pollution Control Administration, and the Federal Power Commission.

After this period of public comment, an Environmental Assessment, or record of the anticipated environmental impact of the project, is prepared by the District Engineer. If he deems necessary, a public

hearing may also be held to assist him in making a decision on an application. After all these actions have been completed, the D.E.C. will grant or reject a permit on the basis of the assessment record and adherence to applicable regulations. The entire process, from completion of application to permit issuance or denial takes from 75 to 90 days. However, if the Corps is required to hold a public hearing, prepare an Environmental Impact Statement, or if the proposed work is controversial, the processing could take up to one year or more.

DEC

DEC Application procedures are similar to those of the Corp. The Uniform Procedures Act adopted by the State Legislature in 1977 simplified procedures for public notice, public comment, permit hearings, and required DEC to act within specified time periods on applications.

Three different types of permits are administered by the Regulatory Affairs Department of DEC for any work which will affect water quality:

- 1) A Water Quality Permit is needed for most proposed activities (dam or dock construction, bulkheading, dredging, fill, etc.); it is issued to "prevent the unreasonable, unnecessary or harmful alteration of stream channels, filling and dredging in navigable waters and the construction or major repair of dams or docks which would benefit a private interest at the expense of the public's rights." DEC upholds the principal that one person's use of water, considered a "mobile resource," should not be detrimental to another person's use and enjoyment.
- 2) A Tidal Wetlands Permit is necessary for work which is carried out on a tidal wetland (any areas which border on or lie beneath tidal waters,

such as banks, bays, salt marshes, swamps or other low lands subject to tidal action) or adjacent areas averaging 300 ft inland from the wetland boundary. Tidal wetlands, considered one of the most vital and productive areas of the marine zone, are valued as nutrient and nursery grounds, wildlife habitats, flood and storm control buffer zones, pollution cleansing systems, and irreplaceable recreation and aesthetic lands. This permit is meant to prevent their despoilation and destruction through regulations that will preserve, protect and enhance their present and potential values.

- 3) Freshwater Wetlands Permits are needed for those areas defined as being "periodically inundated and normally characterized by the presence of vegetation that requires saturated soil conditions for growth and reproduction." Their usefulness as flood protection areas and wildlife habitats afford them the same protection as tidal wetlands.

As part of the Uniform Procedures Act, one application form may be submitted for several different permits.

After a completed DEC form, location plans, and project proposals have been submitted, DEC will publish a notice of the request in the department's weekly Environmental Notice Bulletin. A period of two weeks is given for public comment on the application. Additionally, the applicant is required to publish notice in a newspaper of general circulation in the area where the project has been proposed.

The application is then reviewed to determine whether the proposal meets applicable environmental standards and whether it is to be carried out in a way that minimizes environmental damage. Within 90 days of receipt of a complete application, a hearing may be held if there is substantial negative public reaction, or if DEC makes

recommendations or changes in the proposal which are not acceptable to the applicant. If there is a hearing, the applicant is required to pay for the preparation of the stenographic record of the proceedings, as well as any hearing room charges.

Offices within DEC which may be consulted on a particular application include the Bureau of Tidal Wetlands, the Bureau of Freshwater Wetlands, Fish and Wildlife, and the Division of Environmental Quality (which includes three branches: Water, Air, and Solid Waste). The Health Department and the State Historical Preservation Office may also offer advice.

Environmental Impact Statements

Both Federal and State review procedures are concerned with possible long-term environmental effects of construction activity. If either department feels that the proposed activity would have a significant effect on the environment, an Environmental Impact Statement (EIS) may have to be prepared before a decision on a permit application is made. This is a written document which weighs social, economic and environmental issues in making a permit judgement.

The Federal government follows the guidelines outlined by the Council on Environmental Quality (CEQ) in such matters. The Council requires an EIS for any major Federal action which would significantly effect or be detrimental to long range environmental goals or to the present quality of the environment, or which may change patterns of local social activity. Each Federal agency is responsible for defining the term "significant."

Even if the District Engineer concludes that a permit should be issued but that the effects on the environment would be significant, EIS preparation is begun.

In 1978, New York State adopted the State Environmental Quality Review Act (SEQR) which established criteria for determining whether a proposed action

requires an EIS. These indicators include:

- 1) a substantial adverse change in existing air and water quality
- 2) an increase in erosion potential
- 3) the attracting of crowds to places for more than a few days in comparison to the number who would congregate without the proposed action
- 4) a substantial change in the use or the intensity of use of a natural resource.
- 5) cumulative effects of two or more projects.

In both Federal and State situations the applicant is required to furnish the additional information needed for the EIS unless agency staff and resources are available. Guidelines are distributed by both agencies to assist the applicant in preparing an EIS draft.

Neither DEC nor the Corp has final authority in permit licensing. In cases where one agency issues a permit and another will not, a State court will decide the final outcome. Additionally, Congressional approval can override DEC and Corps objections.

III. DESIGN OF A LINEAR COORDINATE SYSTEM

The town of East Hampton was chosen to demonstrate this system because it contained a relatively significant number of existing structures (261) and of new structures constructed during the period (14). The results indicated that while all five groins constructed during the period were permitted, only one of nine piers built during the period appeared to be permitted. In order to improve the effectiveness of the present system, the linear coordinate system already created should be used to survey future compliance in East Hampton and the system could be extended to other coastal areas.

To compare the coastal structures in place as revealed by aerial photographs of April 1974 and March 1976, a linear coordinate system was designed to provide a simple location index of the existing

structures on the shoreline. The purpose of this comparison was to determine what specific structures were built during the period from 1974 to 1976. The coordinate system was also used to index the locations of structure permits issued between April 1974 and March 1976. To accomplish this goal, aerial photographs and topographic maps were utilized to create the index. The 1974 aerial photographs were taken on April 12 and April 27 and reproduced to a scale of 1:15840, while the 1976 photographs were taken on March 24, and have a scale of 1:12000. The topographic maps, with a scale of 1:2400, are based on the same set of 1974 aerial photographs. Both the photographs and the topographic maps were obtained from the Long Island Regional Planning Board in Hauppauge.

To establish the coordinate system, the actual shoreline on the topographic map was approximated by a series of straight lines. An arbitrary point was chosen as the origin and given a coordinate of zero. In the case of this study, a point on the townline between East Hampton and South Hampton on the Sag Harbor shoreline was chosen as the origin. A reference mark is then placed every 500 feet for convenience in locating a specific coordinate. The resolution with which a coordinate is determined is 10 feet. The coastline and each harbor is given a separate coordinate system with its own unique origin. Therefore each point is identified by a coordinate and two or three capital letters. The letters indicate what body of water is being referred to. The coastline of East Hampton was divided into the following segments:

- North Shore Line: CL
- Montauk Harbor: MH
- Napeague Harbor: NH
- Three Mile Harbor: TMH
- Acabomack Harbor: AH
- Hog Creek: HC
- Northwest Creek: NC

Once the coordinate system has been established, a set of variables descriptive of the coastline can be indexed. There are two types of variables, point variables and line variables. Line variables apply to a segment of the shoreline. The coordinate which identifies a line variable is the point from which this value begins. At the point the line variable changes value, a new coordinate is recorded identifying the new value. To determine the length of the shoreline to which a particular value of the variable applies, the new coordinate is subtracted from the previous coordinate yielding its approximate length in tens of feet. Point variables refer to properties that apply to a particular point or short segment of the shore. Examples are outfall pipes and structures that project into the water. Structures such as piers are classified according to the distance they project into the water.

To create a computer index each value is recorded on a data sheet, as shown in appendix A. The first column of the data sheet gives the coordinate in tens of feet, followed by the source of the information, the resolution with which the coordinate was determined, the variable, and the value of this variable. The value is the specific information being recorded. For example, if the variable is structures, the value may be a jetty of 100 feet in length or a pier of 200 feet. Once this data is coded, it is typed onto the computer and stored on a magnetic diskette. A listing of the symbols used and an example of these files are given in Appendix B.

In order to determine what structures built between the years 1974 and 1976 that were not permitted the following steps were taken. First a listing of all structures on the topographic maps was generated. Then structures identified on the 1974 aerial photographs but not included on the topographic maps are added to the listing. Now a master list of all structures existing at the time of the April 1974 aerials has been created (Appendix C). Next, the 1976

photographs are examined and structures not on the 1974 master list are listed separately (Appendix D). These structures are compared to a list of the permits issued from April 1974 to March 1976 and another listing is generated (Appendix E) showing those structures permitted with their corresponding permit numbers. Now a listing of those structures which were probably constructed during the period from April 1974 to March 1976 and not permitted is listed (Appendix F). Structures can be on this list for the following reasons:

- 1) A structure could be built after a permit was issued but the permit is not revealed in our search of the permit files.
- 2) A feature in the 1976 photograph could be misidentified as a new structure.
- 3) The structure could predate the 1974 photograph but was not identified on that photograph.
- 4) The structure could have been built between 1974 and 1976 without a permit.

Prior to possible enforcement action, ground inspection should verify the present existence of the structure and evidence for the existence of a permit should be solicited from the owner of the structure. An additional verification of the 1974 photograph may also be advisable.

The structures identified on the 1976 photographs are now included in the computer's inventory file and a 1976 master listing has been created (Appendix G).

IV. RECOMMENDATIONS

A linear coordinate system should be utilized to create a computer inventory of all existing structures for more effective management. An earlier phase of this study was done without the use of a coordinate system. That survey proved unreliable and misleading indicating that accurate spatial identification of the structures is essential.

Once this data base is established, periodic sets of aerial photographs should

be taken for the purpose of updating the inventory file. In the process of evaluating a permit application, all agencies involved in the decision should have access to printouts of these computer files

and also the corresponding topographic maps. General knowledge of the existence of an accurate enforcement tool is likely to increase compliance with the regulations.

APPENDIX A

THREE MILE HARBOR

Coordinate	Information Source	Resolution	Variable	Value
2283	ABB45	11	GL	N293
2320	"	11	GL	N292
2317	ABB45	11	GL	E498
2356	ABB46	11	ST	PR1
2419	"	11	GL	N291
2543	"	11	GL	N290
2543	"	11	GL	E499
2549	"	11	ST	PR0
2593	SSS20	22	SH	MNF
2619	ABB46	11	GL	E499
2639	"	11	ST	PR0
2657	SSS20	22	SH	MNC
2669	"	22	SH	PTB
2696	"	22	SH	TM
2700	ABB46	11	GL	N289
2710	"	11	GL	E500
2738	SSS20	22	SH	FD
2851	ABB46	11	GL	N290
2866	"	11	GL	N290
3022	SSS10	22	SH	TM
3027	ABB46	11	GL	N289
3031	"	11	SH	BKH
3045	"	11	SH	TM
3071	"	11	ST	JTO
3103	SSS20	11	SH	PIA

APPENDIX B

Coordinate- five digit numerical expression

example: coordinate 02203
value = 22030 feet

Information Source- five character expression

I. Maps (3 letters, 2 numerics)

example: ABB42
A indicates topographic map
BB42 is the map number

example: SSS20
SSS indicates Soil Survey of Suffolk County,
New York (1975)
20 is the map number

II. 1974 Aerial Photographs (2 letters, 3 numerics)

example: AB219
AB indicates April 12, 1974 photograph
219 is the photograph number

III. 1976 Aerial Photographs (1 letter, 4 numerics)

example: B2263
B indicates March 24, 1976 photograph
2263 is the photograph number

Resolution- two digit numerical expression

form: $AB = A \times 10^B$
example: 11 = $1 \times 10^1 = 10$ feet
22 = $2 \times 10^2 = 200$ feet

Variables and corresponding values

Variable- ST (Structures)

Values: PR - Pier
PRC - Complex Pier
GR - Groin
GP - Possible Groin
JT - Jetty

Variable- GL (Grid Line)*

example: N290
N indicates north
290 = 2,900,000 feet
example: E499
E indicates east
499 = 4,990,000 feet

Variable- SH (Shoreline)

Values: BC - Beaches
BHB- Bridgehampton silt loam, til substratum,
2 to 6 percent slopes
CPA- Carver and plymouth sands, 0 to 3 percent slopes
CUB- Cut and fill land, gently sloping
DU - Dune land
FD - Fill land, dredged material
MA - Made land
MFB- Montauk fine sandy loam, 3 to 8 percent slopes
MIB- Montauk soils, graded, 0 to 8 percent slopes
MNA- Montauk loamy sand, sandy variant, 0 to 3 percent slopes
MNB- Montauk loamy sand, sandy variant, 3 to 8 percent slopes
MNE- Montauk loamy sand, sandy variant, 15 to 35 percent slopes
PTA- Plymouth loamy sand, 0 to 3 percent slopes
TM - Tidal marsh
UR - Urban land
WF - Wareham loamy sand
BKH- Bulkhead

*Based on New York Plane Coordinate grid, Long Island Zone

APPENDIX B (continued)

Example of data file. Coordinates are given in fields one to five, resolution in fields six and seven, variable type in fields eight and nine, information source in fields ten to fourteen, and the value is given in the remaining fields.

0	0000011SHREE4GB04
1	0009011GLREE46E506
2	0009022SHSS127NB
3	0009011GLREE46C006
4	0011151STR0360FR0
5	0012511STRREE467RC1
6	0012111GLREE467C04
7	0011511GLRDD46GD03
8	0017411SHRDD46GB04
9	0017222SHSS127NB
10	0015112SHSS127D
11	0040311SHRDD46GB04
12	0040711SHSS127D
13	0041711GLRDD46C506
14	0049511GLRDD477C02
15	0052211GLRDD46E506
16	0059611GLRDD46C003
17	0061611GLRDD46E506
18	0063111GLRDD46E506
19	0067622SHSS127NB
20	0073022SHSS127H
21	0075011GLRDD46GD04
22	0075611STRREE467RC0
23	0076911STRREE46C00
24	0085711GLREE46ND05
25	0089011STRREE46C01
26	0092611GLREE46E506
27	0096011SHREE47004
28	0097911SHSS127H
29	0100511GLREE470006
30	0101011SHREE47004
31	0103411GLREE470006
32	0107511GLREE47E506
33	0109011STRREE477RC3
34	0122611SHSS127D
35	END

APPENDIX C

1974 Master List

Montauk Harbor

E HAMPTON NH

LIST OF ALL DATA FOR VARIABLE ST
WITH VALUE PR

LINE #	COORDINATE	RES	IS	VALUE
1	00077	11	AGCS4	PIER 100 - 200 FT
2	00083	11	AFFS4	COMPLEX PIER 200 - 300 FT
3	00140	11	AFFS4	PIER 0 - 100 FT
4	00192	11	AFFS4	COMPLEX PIER 100 - 200 FT
5	00195	11	AFFS4	COMPLEX PIER 100 - 200 FT
6	00209	51	AB194	PIER 0 - 100 FT
7	00212	51	AB194	PIER 100 - 200 FT
8	00215	51	AB194	PIER 100 - 200 FT
9	00223	51	AB194	PIER 0 - 100 FT
10	00244	51	AB194	PIER 0 - 100 FT
11	00248	51	AB194	PIER 200 - 300 FT
12	00251	51	AB194	PIER 0 - 100 FT
13	00254	51	AB194	PIER 0 - 100 FT
14	00256	51	AB194	PIER 0 - 100 FT
15	00294	51	AB194	PIER 0 - 100 FT
16	00295	11	AFFS4	PIER 100 - 200 FT
17	00318	11	AFFS4	PIER 100 - 200 FT
18	00313	51	AB194	PIER 0 - 100 FT
19	00332	51	AB194	PIER 0 - 100 FT
20	00358	11	AFFS4	COMPLEX PIER 100 - 400 FT
21	00358	11	AFFS4	PIER 100 - 200 FT
22	00422	11	AFFS4	PIER 100 - 200 FT
23	00483	11	AFFS4	COMPLEX PIER 400 - 500 FT
24	00538	11	AFFS4	COMPLEX PIER 300 - 400 FT
25	00544	11	AFFS4	PIER 100 - 200 FT
26	00588	11	AB194	PIER 0 - 100 FT
27	00591	11	AFFS4	PIER 0 - 100 FT
28	00601	11	AFFS4	PIER 0 - 100 FT
29	00737	11	AFFS4	COMPLEX PIER 400 - 500 FT
30	00758	11	AFFS4	COMPLEX PIER 400 - 500 FT
31	00769	11	AFFS4	PIER 200 - 300 FT
32	00848	11	AFFS4	PIER 100 - 200 FT
33	00860	11	AFFS4	COMPLEX PIER 300 - 400 FT
34	00916	11	AFFS4	COMPLEX PIER 600 - 700 FT
35	00948	11	AFFS4	COMPLEX PIER 900 - 1000 FT
36	01264	11	AFFS4	PIER 0 - 100 FT
37	01698	11	AFFS5	PIER 0 - 100 FT
38	02588	11	AFFS5	PIER 0 - 100 FT
39	02792	11	AFFS5	PIER 100 - 200 FT
40	02822	11	AFFS5	PIER 100 - 200 FT
41	02998	11	AFFS5	PIER 100 - 200 FT
42	03086	11	AFFS5	PIER 100 - 200 FT
43	03678	11	AFFS5	COMPLEX PIER 900 - 1000 FT
44	04867	11	AFFS5	COMPLEX PIER 700 - 900 FT
45	05043	11	AGCS4	PIER 100 - 200 FT
46	05050	11	AGCS4	COMPLEX PIER 200 - 300 FT
47	05085	11	AGCS4	COMPLEX PIER 200 - 300 FT
48	05185	11	AGCS4	PIER 100 - 200 FT
178				END

E HAMPTON NH

LIST OF ALL DATA FOR VARIABLE ST
WITH VALUE CR

LINE #	COORDINATE	RES	IS	VALUE
1	01960	11	AFFS5	GROIN 0 - 100 FT
2	02205	11	AFFS5	GROIN 0 - 100 FT
3	02868	11	AFFS5	GROIN 0 - 100 FT
178				END
E HAMPTON NH				
LIST OF ALL DATA FOR VARIABLE ST WITH VALUE CP				
LINE #	COORDINATE	RES	IS	VALUE
1	00458	11	AFFS4	POSSIBLE GROIN 100 - 200 FT
2	01935	11	AFFS5	POSSIBLE GROIN 0 - 100 FT
3	02320	11	AFFS5	POSSIBLE GROIN 0 - 100 FT
4	02345	11	AFFS5	POSSIBLE GROIN 0 - 100 FT
5	02635	11	AFFS5	POSSIBLE GROIN 0 - 100 FT
6	02687	11	AFFS5	POSSIBLE GROIN 0 - 100 FT
7	02998	11	AFFS5	POSSIBLE GROIN 0 - 100 FT
8	02988	11	AFFS5	POSSIBLE GROIN 0 - 100 FT
9	02935	11	AFFS5	POSSIBLE GROIN 0 - 100 FT
10	02955	11	AFFS5	POSSIBLE GROIN 0 - 100 FT
11	02965	11	AFFS5	POSSIBLE GROIN 0 - 100 FT
12	03480	11	AFFS5	POSSIBLE GROIN 0 - 100 FT
13	03556	11	AFFS5	POSSIBLE GROIN 0 - 100 FT
14	03564	11	AFFS5	POSSIBLE GROIN 0 - 100 FT
15	03598	11	AFFS5	POSSIBLE GROIN 0 - 100 FT
16	03708	11	AFFS5	POSSIBLE GROIN 0 - 100 FT
17	03818	11	AFFS5	POSSIBLE GROIN 0 - 100 FT
178				END
E HAMPTON NH				
LIST OF ALL DATA FOR VARIABLE ST WITH VALUE JT				
LINE #	COORDINATE	RES	IS	VALUE
1	03765	11	AFFS5	JETTY 0 - 100 FT
2	03776	11	AFFS5	JETTY 0 - 100 FT
3	03835	11	AFFS5	JETTY 0 - 100 FT
4	03843	11	AFFS5	JETTY 0 - 100 FT
5	03868	11	AFFS5	JETTY 0 - 100 FT
6	03883	11	AFFS5	JETTY 0 - 100 FT
178				END

APPENDIX C (continued)

Three Mile Harbor

E HAMPTON TWH

LIST OF ALL DATA FOR VARIABLE ST
WITH VALUE OF

LINE #	COORDINATE	RES	IS	VALUE
1	02199	11	RCC46	PIER 0 - 100 FT
2	02356	11	REB46	PIER 100 - 200 FT
3	02589	11	REB46	PIER 0 - 100 FT
4	02729	11	REB46	PIER 0 - 100 FT
5	03206	11	REB46	PIER 0 - 100 FT
6	03516	11	REB46	PIER 0 - 100 FT
7	03530	11	REB46	PIER 0 - 100 FT
8	03766	11	REB46	PIER 0 - 100 FT
9	03796	11	REB46	PIER 0 - 100 FT
10	03792	11	REB46	COMPLEX PIER 100 - 200 FT
11	03980	11	REB46	COMPLEX PIER 100 - 200 FT
12	03906	11	REB46	COMPLEX PIER 100 - 200 FT
13	03949	11	REB46	PIER 0 - 100 FT
14	03995	11	REB46	COMPLEX PIER 200 - 300 FT
15	03980	11	REB46	COMPLEX PIER 200 - 300 FT
16	03931	11	REB46	PIER 100 - 200 FT
17	04266	11	REB46	PIER 0 - 100 FT
18	04272	11	REB46	PIER 0 - 100 FT
19	04275	11	REB46	PIER 0 - 100 FT
20	04278	11	REB46	PIER 0 - 100 FT
21	04295	11	REB46	COMPLEX PIER 300 - 400 FT
22	04629	11	REB46	PIER 0 - 100 FT
23	04689	11	RCC46	PIER 0 - 100 FT
24	04712	11	RCC46	PIER 0 - 100 FT
25	04758	11	RCC46	PIER 0 - 100 FT
26	04761	11	RCC46	PIER 0 - 100 FT
27	04765	11	RCC46	PIER 0 - 100 FT
28	04778	11	RCC46	PIER 0 - 100 FT
29	04781	11	RCC46	PIER 0 - 100 FT
30	04785	11	RCC46	PIER 0 - 100 FT
31	04789	11	RCC46	PIER 0 - 100 FT
32	04791	11	RCC46	PIER 0 - 100 FT
33	04792	11	RCC46	COMPLEX PIER 300 - 400 FT
34	04985	11	RCC46	PIER 0 - 100 FT
35	04988	11	RCC46	PIER 0 - 100 FT
36	04998	11	RCC46	PIER 0 - 100 FT
37	04993	11	RCC46	PIER 0 - 100 FT
38	04997	11	RCC46	PIER 0 - 100 FT
39	05082	11	RCC46	PIER 0 - 100 FT
40	05089	11	RCC46	COMPLEX PIER 100 - 200 FT
41	05189	11	RCC46	COMPLEX PIER 400 - 500 FT
42	05231	11	RCC46	PIER 0 - 100 FT
43	05251	11	RCC46	COMPLEX PIER 100 - 200 FT
44	05262	11	RCC46	PIER 0 - 100 FT
45	05244	11	RCC46	COMPLEX PIER 200 - 300 FT
46	05256	11	RCC46	COMPLEX PIER 200 - 300 FT
47	05263	11	RCC46	PIER 100 - 200 FT
48	05265	11	RCC46	PIER 100 - 200 FT
49	05268	11	RCC46	PIER 100 - 200 FT
50	05277	11	RCC46	PIER 100 - 200 FT
51	05285	11	RCC46	COMPLEX PIER 0 - 100 FT
52	05262	51	ARC60	PIER 0 - 100 FT
53	05263	51	ARC60	PIER 0 - 100 FT
214				END

E HAMPTON TWH

LIST OF ALL DATA FOR VARIABLE ST
WITH VALUE OF

LINE #	COORDINATE	RES	IS	VALUE
1	04905	11	RCC46	GROIN 0 - 100 FT
2	05600	11	RCC46	GROIN 0 - 100 FT
214				END

E HAMPTON TWH

LIST OF ALL DATA FOR VARIABLE ST
WITH VALUE OF

LINE #	COORDINATE	RES	IS	VALUE
1	00741	11	RCC46	POSSIBLE GROIN 0 - 100 FT
2	00780	11	RCC46	POSSIBLE GROIN 0 - 100 FT
3	00807	11	RCC46	POSSIBLE GROIN 0 - 100 FT
4	00895	11	RCC46	POSSIBLE GROIN 0 - 100 FT
5	01541	11	RCC46	POSSIBLE GROIN 0 - 100 FT
6	02257	11	RCC46	POSSIBLE GROIN 0 - 100 FT
214				END

E HAMPTON TWH

LIST OF ALL DATA FOR VARIABLE ST
WITH VALUE OF

LINE #	COORDINATE	RES	IS	VALUE
1	01368	11	RCC46	JETTY 0 - 100 FT
2	01380	11	RCC46	JETTY 0 - 100 FT
3	01424	11	RCC46	JETTY 0 - 100 FT
4	01453	11	RCC46	JETTY 0 - 100 FT
5	02077	11	REB46	JETTY 0 - 100 FT
6	02387	11	REB46	JETTY 0 - 100 FT
7	02478	11	REB46	JETTY 0 - 100 FT
214				END

APPENDIX C (continued)

Coast Line

E HAMPSON CO.

LIST OF ALL DATA FOR VARIABLE ST
WITH VALUE OR

LINE #	COORDINATE	RES	IS	VALUE
1	00000	11	RE342	PIER 500 - 600 FT
2	00015	11	RE391	PIER 100 - 200 FT
3	00124	11	RE642	COMPLEX PIER 500 - 600 FT
4	00205	11	RE642	COMPLEX PIER 200 - 300 FT
5	00240	11	RE342	PIER 100 - 200 FT
6	00370	11	RE044	COMPLEX PIER 200 - 300 FT
7	00260	11	RE046	PIER 0 - 100 FT
8	00226	11	RE046	PIER 0 - 100 FT
9	00338	11	RE046	PIER 0 - 100 FT
10	00259	11	RE046	PIER 0 - 100 FT
11	00215	11	RE246	PIER 0 - 100 FT
12	07001	11	RE247	PIER 0 - 100 FT
13	07099	11	RE247	PIER 0 - 100 FT
14	07420	11	RE247	PIER 0 - 100 FT
15	07007	11	RE047	PIER 0 - 100 FT
16	09903	11	RE649	PIER 0 - 100 FT
17	10127	11	RE649	COMPLEX PIER 400 - 500 FT
18	10100	11	RE649	PIER 100 - 200 FT
19	10266	11	RE649	PIER 0 - 100 FT
20	10995	11	RE649	PIER 200 - 300 FT
21	10978	11	RE649	COMPLEX PIER 300 - 400 FT
22	10900	11	RE649	PIER 300 - 400 FT
23	11020	11	RE349	PIER 0 - 100 FT
24	11618	11	RE850	COMPLEX PIER 200 - 300 FT
25	15213	11	RE053	COMPLEX PIER 500 - 600 FT
26	15428	11	RE053	PIER 0 - 100 FT
27	15823	11	RE254	PIER 0 - 100 FT
28	15821	11	RE254	COMPLEX PIER 700 - 800 FT
29	16015	11	RE254	COMPLEX PIER 200 - 300 FT
30C	END			

E HAMPSON CO.

LIST OF ALL DATA FOR VARIABLE ST
WITH VALUE OR

LINE #	COORDINATE	RES	IS	VALUE
1	00345	11	RE842	GROIN 200 - 400 FT
2	01790	11	RE044	GROIN 0 - 100 FT
3	01966	11	RE044	GROIN 200 - 300 FT
4	02845	11	RE046	GROIN 400 - 500 FT
5	15402	11	RE053	GROIN 0 - 100 FT
6	15469	11	RE637	GROIN 0 - 100 FT
30C	END			

E HAMPSON CO.

LIST OF ALL DATA FOR VARIABLE ST
WITH VALUE OR

LINE #	COORDINATE	RES	IS	VALUE
1	00100	11	RE144	POSSIBLE GROIN 0 - 100 FT
2	00500	11	RE040	POSSIBLE GROIN 0 - 100 FT
3	00503	11	RE040	POSSIBLE GROIN 0 - 100 FT
4	07130	11	RE247	POSSIBLE GROIN 0 - 100 FT
5	07205	11	RE247	POSSIBLE GROIN 0 - 100 FT
6	10076	11	RE849	POSSIBLE GROIN 0 - 100 FT
30C	END			

E HAMPSON CO.

LIST OF ALL DATA FOR VARIABLE ST
WITH VALUE OR

LINE #	COORDINATE	RES	IS	VALUE
1	00000	11	RE342	JETTY 100 - 200 FT
2	05074	11	RE342	JETTY 500 - 600 FT
3	07475	11	RE247	JETTY 0 - 100 FT
4	07491	11	RE247	JETTY 0 - 100 FT
5	07504	11	RE247	JETTY 0 - 100 FT
6	07523	11	RE247	JETTY 0 - 100 FT
7	07590	11	RE247	JETTY 0 - 100 FT
8	07616	11	RE247	JETTY 0 - 100 FT
9	07682	11	RE247	JETTY 0 - 100 FT
10	07708	11	RE247	JETTY 0 - 100 FT
11	07720	11	RE247	JETTY 0 - 100 FT
12	07727	11	RE047	JETTY 0 - 100 FT
13	07745	11	RE047	JETTY 0 - 100 FT
14	07787	11	RE247	JETTY 0 - 100 FT
15	07014	11	RE047	JETTY 0 - 100 FT
16	07020	11	RE047	JETTY 0 - 100 FT
17	07050	11	RE047	JETTY 0 - 100 FT
18	08970	11	RE048	JETTY 0 - 100 FT
19	08996	11	RE048	JETTY 0 - 100 FT
20	09010	11	RE048	JETTY 0 - 100 FT
21	09023	11	RE048	JETTY 0 - 100 FT
22	09042	11	RE048	JETTY 0 - 100 FT
23	09050	11	RE048	JETTY 0 - 100 FT
24	09071	11	RE048	JETTY 0 - 100 FT
25	09084	11	RE048	JETTY 0 - 100 FT
26	09095	11	RE048	JETTY 0 - 100 FT
27	09140	11	RE840	JETTY 0 - 100 FT
28	09164	11	RE840	JETTY 0 - 100 FT
29	09184	11	RE840	JETTY 0 - 100 FT
30	09207	11	RE248	JETTY 0 - 100 FT
31	09211	11	RE047	JETTY 0 - 100 FT
32	09207	11	RE040	JETTY 0 - 100 FT
33	09240	11	RE040	JETTY 0 - 100 FT
34	10000	11	RE640	JETTY 0 - 100 FT
35	10040	11	RE640	JETTY 0 - 100 FT
36	10077	11	RE640	JETTY 0 - 100 FT
37	11145	11	RE840	JETTY 100 - 200 FT
38	11100	11	RE850	JETTY 0 - 100 FT
39	17409	11	RE054	JETTY 100 - 200 FT
40	17470	11	RE054	JETTY 100 - 200 FT

APPENDIX C (continued)

Hog Creek

```

E HAMPTON HC
LIST OF ALL DATA FOR VARIABLE ST
WITH VALUE PR
LINE #      COORDINATE  RES  IS  VALUE
1           00111    51  REC360  PIER 0 - 100 FT
2           00125    11  REC46  COMPLEX PIER 100 - 200 FT
3           00756    11  REC46  COMPLEX PIER 0 - 100 FT
4           01090    11  REC47  COMPLEX PIER 200 - 400 FT
36          END

E HAMPTON HC
LIST OF ALL DATA FOR VARIABLE ST
WITH VALUE GR
LINE #      COORDINATE  RES  IS  VALUE
1           00020    11  REC46  GROIN 100 - 200 FT
36          END

E HAMPTON HC
LIST OF ALL DATA FOR VARIABLE ST
WITH VALUE GP
LINE #      COORDINATE  RES  IS  VALUE
1           00763    11  REC46  POSSIBLE GROIN 0 - 100 FT
36          END

E HAMPTON HC
LIST OF ALL DATA FOR VARIABLE ST
WITH VALUE JT
LINE #      COORDINATE  RES  IS  VALUE
36          END
    
```

Napeague Harbor

```

E HAMPTON HN
LIST OF ALL DATA FOR VARIABLE ST
WITH VALUE PR
LINE #      COORDINATE  RES  IS  VALUE
5           01345    11  REC51  PIER 0 - 100 FT
51          END

E HAMPTON HN
LIST OF ALL DATA FOR VARIABLE ST
WITH VALUE GR
LINE #      COORDINATE  RES  IS  VALUE
51          END

E HAMPTON HN
LIST OF ALL DATA FOR VARIABLE ST
WITH VALUE GP
LINE #      COORDINATE  RES  IS  VALUE
1           00123    11  REC50  POSSIBLE GROIN 0 - 100 FT
2           00267    11  REC50  POSSIBLE GROIN 0 - 100 FT
3           00305    11  REC50  POSSIBLE GROIN 0 - 100 FT
4           00690    11  REC50  POSSIBLE GROIN 0 - 100 FT
5           00960    11  REC51  POSSIBLE GROIN 0 - 100 FT
6           01010    11  REC51  POSSIBLE GROIN 0 - 100 FT
7           01050    11  REC51  POSSIBLE GROIN 0 - 100 FT
8           01103    11  REC51  POSSIBLE GROIN 0 - 100 FT
9           01130    11  REC51  POSSIBLE GROIN 0 - 100 FT
10          01175    11  REC51  POSSIBLE GROIN 0 - 100 FT
11          01670    11  REC51  POSSIBLE GROIN 0 - 100 FT
12          02010    11  REC50  POSSIBLE GROIN 0 - 100 FT
51          END

E HAMPTON HN
LIST OF ALL DATA FOR VARIABLE ST
WITH VALUE JT
LINE #      COORDINATE  RES  IS  VALUE
1           01251    11  REC51  JETTY 0 - 100 FT
51          END
    
```

APPENDIX C (continued)

Acabomack Harbor

Northwest Creek

```

E HAMPTON AH
LIST OF ALL DATA FOR VARIABLE JT
WITH VALUE PR
LINE #    COORDINATE RES IS VALUE
79          END
E HAMPTON AH
LIST OF ALL DATA FOR VARIABLE ST
WITH VALUE GR
LINE #    COORDINATE RES IS VALUE
79          END
E HAMPTON AH
LIST OF ALL DATA FOR VARIABLE ST
WITH VALUE GP
LINE #    COORDINATE RES IS VALUE
1         01330    11  ACC47 POSSIBLE GROIN @ 100 FT
2         01462    11  ACC47 POSSIBLE GROIN @ 100 FT
3         01744    11  ACC47 POSSIBLE GROIN @ 100 FT
4         01994    11  ACC47 POSSIBLE GROIN @ 100 FT
5         02053    11  ACC47 POSSIBLE GROIN @ 100 FT
79          END
E HAMPTON AH
LIST OF ALL DATA FOR VARIABLE ST
WITH VALUE JT
LINE #    COORDINATE RES IS VALUE
79          END

```

```

E HAMPTON NC
LIST OF ALL DATA FOR VARIABLE ST
WITH VALUE PR
LINE #    COORDINATE RES IS VALUE
1         02196    11  RB044 PIER @ - 100 FT
2         02274    11  RB044 PIER @ - 100 FT
40          END
E HAMPTON NC
LIST OF ALL DATA FOR VARIABLE ST
WITH VALUE GR
LINE #    COORDINATE RES IS VALUE
40          END
E HAMPTON NC
LIST OF ALL DATA FOR VARIABLE ST
WITH VALUE GP
LINE #    COORDINATE RES IS VALUE
1         00325    11  RB043 POSSIBLE GROIN @ 100 FT
2         00748    11  RB043 POSSIBLE GROIN @ 100 FT
40          END
E HAMPTON NC
LIST OF ALL DATA FOR VARIABLE ST
WITH VALUE JT
LINE #    COORDINATE RES IS VALUE
40          END

```

APPENDIX D

1976 Additions to Master List

#	COOR.	RES	WFR	IS	WLR
1	01024	SI	ST	BE260	GRWH 0-100FT
2	01025	SI	ST	BE260	GRWH 0-100FT
3	01021	SI	ST	BE276	GRWH 0-100FT
4	01022	SI	ST	BE276	GRWH 0-100FT
5	W0236	SI	ST	BE276	PIER 0-100FT
6	W0237	SI	ST	BE276	PIER 0-100FT
7	W0241	SI	ST	BE238	PIER 176-180FT
8	W0242	SI	ST	BE238	PIER 0-100FT
9	W0243	SI	ST	BE238	COMPLEX PIER 500-600FT
10	W0244	SI	ST	BE238	GRWH 0-100FT
11	W0245	SI	ST	BE238	PIER 0-100FT PERMITS
12	W0246	SI	ST	BE260	PIER 0-100FT
13	W0247	SI	ST	BE260	PIER 0-100FT
14	W0248	SI	ST	BE260	PIER 0-100FT
15	END				

APPENDIX E

Permits Issued

#	PERMIT#	ISSUE DATE
1	15298050	01024
2	15298057	01024
3	15298070	01021
4	15298076	01022
5	15298059	W0236
6	15298063	W0237
7	END	

APPENDIX F

Structures Probably Not Permitted

#	COOR.	RES	WFR	IS	WLR
1	W0236	SI	ST	BE276	PIER 0-100FT
2	W0237	SI	ST	BE276	PIER 0-100FT
3	W0241	SI	ST	BE238	PIER 176-180FT
4	W0242	SI	ST	BE238	PIER 0-100FT
5	W0245	SI	ST	BE238	PIER 0-100FT PERMITS
6	W0246	SI	ST	BE260	PIER 0-100FT
7	W0247	SI	ST	BE260	PIER 0-100FT
8	W0248	SI	ST	BE260	PIER 0-100FT
9	END				

APPENDIX G

1976 Master List

Montauk Harbor

E HAMPTON 7A

LIST OF ALL DATA FOR VARIABLE ST
WITH VALUE ST

LINE #	COORDINATE	REC	IS	VALUE
1	00077	11	ROCK	PIER 100 - 200 FT
2	00080	11	RAFT	COMPLEX PIER 200 - 300 FT
3	00140	11	RAFT	PIER 0 - 100 FT
4	00210	11	RAFT	COMPLEX PIER 100 - 200 FT
5	00215	11	RAFT	COMPLEX PIER 100 - 200 FT
6	00209	51	RELS	PIER 0 - 100 FT
7	00212	51	RELS	PIER 100 - 200 FT
8	00215	51	RELS	PIER 100 - 200 FT
9	00223	51	RELS	PIER 0 - 100 FT
10	00244	51	RELS	PIER 0 - 100 FT
11	00248	51	RELS	PIER 200 - 300 FT
12	00251	51	RELS	PIER 0 - 100 FT
13	00254	51	RELS	PIER 0 - 100 FT
14	00256	51	RELS	PIER 0 - 100 FT
15	00294	51	RELS	PIER 0 - 100 FT
16	00295	11	RAFT	PIER 100 - 200 FT
17	00210	11	RAFT	PIER 100 - 200 FT
18	00215	51	RELS	PIER 0 - 100 FT
19	00222	51	RELS	PIER 0 - 100 FT
20	00250	11	RAFT	COMPLEX PIER 200 - 400 FT
21	00250	11	RAFT	PIER 100 - 200 FT
22	00420	11	RAFT	PIER 100 - 200 FT
23	00400	11	RAFT	COMPLEX PIER 400 - 500 FT
24	00520	11	RAFT	COMPLEX PIER 300 - 400 FT
25	00544	11	RAFT	PIER 100 - 200 FT
26	00545	51	RELS	PIER 100 - 200 FT
27	00520	11	RAFT	PIER 0 - 100 FT
28	00591	11	RAFT	PIER 0 - 100 FT
29	00591	11	RAFT	PIER 0 - 100 FT
30	00707	11	RAFT	COMPLEX PIER 400 - 500 FT
31	00750	11	RAFT	COMPLEX PIER 400 - 500 FT
32	00769	11	RAFT	PIER 200 - 300 FT
33	00779	51	RELS	PIER 0 - 100 FT
34	00840	11	RAFT	PIER 100 - 200 FT
35	00850	11	RAFT	COMPLEX PIER 300 - 400 FT
36	00916	11	RAFT	COMPLEX PIER 600 - 700 FT
37	00940	11	RAFT	COMPLEX PIER 900 - 1000 FT
38	01017	51	RELS	COMPLEX PIER 500 - 600 FT
39	01264	11	RAFT	PIER 0 - 100 FT
40	01690	11	RAFT	PIER 0 - 100 FT
41	02500	11	RAFT	PIER 0 - 100 FT
42	02792	11	RAFT	PIER 100 - 200 FT
43	02820	11	RAFT	PIER 100 - 200 FT
44	02999	11	RAFT	PIER 100 - 200 FT
45	03000	11	RAFT	PIER 100 - 200 FT
46	03670	11	RAFT	COMPLEX PIER 900 - 1000 FT
47	04067	11	RAFT	COMPLEX PIER 700 - 800 FT
48	05040	11	RAFT	PIER 100 - 200 FT
49	05050	11	RAFT	COMPLEX PIER 200 - 300 FT
50	05000	11	RAFT	COMPLEX PIER 200 - 300 FT
51	05105	11	RAFT	PIER 100 - 200 FT
102	END			

E HAMPTON 7B

LIST OF ALL DATA FOR VARIABLE ST
WITH VALUE ST

LINE #	COORDINATE	REC	IS	VALUE
1	00200	11	RAFT	PIER 0 - 100 FT
2	00205	11	RAFT	PIER 0 - 100 FT
3	00300	11	RAFT	PIER 0 - 100 FT
4	04900	51	RELS	PIER 0 - 100 FT
102	END			

E HAMPTON 7C

LIST OF ALL DATA FOR VARIABLE ST
WITH VALUE ST

LINE #	COORDINATE	REC	IS	VALUE
1	00450	11	RAFT	POSSIBLE GROUT 100 - 200 FT
2	00500	11	RAFT	POSSIBLE GROUT 0 - 100 FT
3	00500	11	RAFT	POSSIBLE GROUT 0 - 100 FT
4	00540	11	RAFT	POSSIBLE GROUT 0 - 100 FT
5	00550	11	RAFT	POSSIBLE GROUT 0 - 100 FT
6	00567	11	RAFT	POSSIBLE GROUT 0 - 100 FT
7	00590	11	RAFT	POSSIBLE GROUT 0 - 100 FT
8	00590	11	RAFT	POSSIBLE GROUT 0 - 100 FT
9	00590	11	RAFT	POSSIBLE GROUT 0 - 100 FT
10	00595	11	RAFT	POSSIBLE GROUT 0 - 100 FT
11	00595	11	RAFT	POSSIBLE GROUT 0 - 100 FT
12	01400	11	RAFT	POSSIBLE GROUT 0 - 100 FT
13	02550	11	RAFT	POSSIBLE GROUT 0 - 100 FT
14	02564	11	RAFT	POSSIBLE GROUT 0 - 100 FT
15	03590	11	RAFT	POSSIBLE GROUT 0 - 100 FT
16	03700	11	RAFT	POSSIBLE GROUT 0 - 100 FT
17	03810	11	RAFT	POSSIBLE GROUT 0 - 100 FT
102	END			

E HAMPTON 7D

LIST OF ALL DATA FOR VARIABLE ST
WITH VALUE ST

LINE #	COORDINATE	REC	IS	VALUE
1	03700	11	RAFT	JETTY 0 - 100 FT
2	03720	11	RAFT	JETTY 0 - 100 FT
3	03800	11	RAFT	JETTY 0 - 100 FT
4	03840	11	RAFT	JETTY 0 - 100 FT
5	03860	11	RAFT	JETTY 0 - 100 FT
6	03800	11	RAFT	JETTY 0 - 100 FT
102	END			

APPENDIX G (continued)

Three Mile Harbor

E HAMPTON TNH
 LIST OF ALL DATA FOR VARIABLE ST
 WITH VALUE PR

LINE #	COORDINATE	RES	IS	VALUE
1	02199	11	ACC45	PIER 0 - 100 FT
2	02256	11	ABB46	PIER 100 - 200 FT
3	02589	11	ABB46	PIER 0 - 100 FT
4	02639	11	ABB46	PIER 0 - 100 FT
5	03206	11	ABB46	PIER 0 - 100 FT
6	03516	11	ABB46	PIER 0 - 100 FT
7	03538	11	ABB46	PIER 0 - 100 FT
8	03765	11	ABB46	PIER 0 - 100 FT
9	03786	11	ABB46	PIER 0 - 100 FT
10	03792	11	ABB46	COMPLEX PIER 100 - 200 FT
11	03800	11	ABB46	COMPLEX PIER 100 - 200 FT
12	03806	11	ABB46	COMPLEX PIER 100 - 200 FT
13	03849	11	ABB46	PIER 0 - 100 FT
14	03895	11	ABB46	COMPLEX PIER 200 - 300 FT
15	03900	11	ABB46	COMPLEX PIER 200 - 300 FT
16	03920	51	B2263	PIER 100 - 200 FT
17	03931	11	ABB46	PIER 100 - 200 FT
18	04266	11	ABB46	PIER 0 - 100 FT
19	04272	11	ABB46	PIER 0 - 100 FT
20	04275	11	ABB46	PIER 0 - 100 FT
21	04278	11	ABB46	PIER 0 - 100 FT
22	04295	11	ABB46	COMPLEX PIER 100 - 400 FT
23	04639	11	ABB46	PIER 0 - 100 FT
24	04689	11	ACC46	PIER 0 - 100 FT
25	04712	11	ACC46	PIER 0 - 100 FT
26	04758	11	ACC46	PIER 0 - 100 FT
27	04761	11	ACC46	PIER 0 - 100 FT
28	04765	11	ACC46	PIER 0 - 100 FT
29	04778	11	ACC46	PIER 0 - 100 FT
30	04781	11	ACC46	PIER 0 - 100 FT
31	04785	11	ACC46	PIER 0 - 100 FT
32	04789	11	ACC46	PIER 0 - 100 FT
33	04793	11	ACC46	PIER 0 - 100 FT
34	04972	11	ACC46	COMPLEX PIER 300 - 400 FT
35	04980	11	ACC46	PIER 0 - 100 FT
36	04988	11	ACC46	PIER 0 - 100 FT
37	04998	11	ACC46	PIER 0 - 100 FT
38	04993	11	ACC46	PIER 0 - 100 FT
39	04997	11	ACC46	PIER 0 - 100 FT
40	05002	11	ACC46	PIER 0 - 100 FT
41	05009	11	ACC46	COMPLEX PIER 100 - 200 FT
42	05189	11	ACC46	COMPLEX PIER 400 - 500 FT
43	05131	11	ACC46	PIER 0 - 100 FT
44	05351	11	ACC46	COMPLEX PIER 100 - 200 FT
45	05362	11	ACC46	PIER 0 - 100 FT
46	05544	11	ACC46	COMPLEX PIER 200 - 300 FT
47	05556	11	ACC46	COMPLEX PIER 200 - 300 FT
48	05563	11	ACC46	PIER 100 - 200 FT
49	05565	11	ACC46	PIER 100 - 200 FT
50	05560	11	ACC46	PIER 100 - 200 FT
51	05577	11	ACC46	PIER 100 - 200 FT
52	05585	11	ACC46	COMPLEX PIER 0 - 100 FT
53	05588	51	B2263	PIER 0 - 100 FT
54	05617	51	B2263	PIER 0 - 100 FT
55	05622	51	ACC60	PIER 0 - 100 FT
56	05623	51	B2263	PIER 0 - 100 FT
57	05653	51	ACC60	PIER 0 - 100 FT
210				END

E HAMPTON TNH
 LIST OF ALL DATA FOR VARIABLE ST
 WITH VALUE CR

LINE #	COORDINATE	RES	IS	VALUE
1	04965	11	ACC46	GROIN 0 - 100 FT
2	05600	11	ABB46	GROIN 0 - 100 FT
210				END

E HAMPTON TNH
 LIST OF ALL DATA FOR VARIABLE ST
 WITH VALUE CP

LINE #	COORDINATE	RES	IS	VALUE
1	00741	11	ACC45	POSSIBLE GROIN 0 - 100 FT
2	00785	11	ACC45	POSSIBLE GROIN 0 - 100 FT
3	00857	11	ACC45	POSSIBLE GROIN 0 - 100 FT
4	00895	11	ACC45	POSSIBLE GROIN 0 - 100 FT
5	01541	11	ACC45	POSSIBLE GROIN 0 - 100 FT
6	05257	11	ACC46	POSSIBLE GROIN 0 - 100 FT
210				END

E HAMPTON TNH
 LIST OF ALL DATA FOR VARIABLE ST
 WITH VALUE JT

LINE #	COORDINATE	RES	IS	VALUE
1	01360	11	ACC45	JETTY 0 - 100 FT
2	01382	11	ACC45	JETTY 0 - 100 FT
3	01414	11	ACC45	JETTY 0 - 100 FT
4	01453	11	ACC45	JETTY 0 - 100 FT
5	03877	11	ABB46	JETTY 0 - 100 FT
6	03907	11	ABB46	JETTY 0 - 100 FT
7	03470	11	ABB46	JETTY 0 - 100 FT
210				END

APPENDIX G (continued)

Coast Line

E HAMPTON CL

LIST OF ALL DATA FOR VARIABLE ST
WITH VALUE PR

LINE #	COORDINATE	RES	IS	VALUE
1	00000	11	ABB42	PIER 500 - 600 FT
2	00015	51	ADD91	PIER 100 - 200 FT
3	00194	11	ABB42	COMPLEX PIER 500 - 600 FT
4	00200	11	ABB42	COMPLEX PIER 200 - 300 FT
5	00240	11	ABB42	PIER 100 - 200 FT
6	00270	11	ABB42	PIER 100 - 200 FT
7	00168	11	ADD46	PIER 0 - 100 FT
8	00226	11	ADD46	PIER 0 - 100 FT
9	00330	11	ADD46	PIER 0 - 100 FT
10	00259	11	ADD46	PIER 0 - 100 FT
11	00915	11	REE46	PIER 0 - 100 FT
12	07381	11	REE47	PIER 0 - 100 FT
13	07399	11	REE47	PIER 0 - 100 FT
14	07428	11	REE47	PIER 0 - 100 FT
15	07657	11	ADD47	PIER 0 - 100 FT
16	09993	11	AAA49	PIER 0 - 100 FT
17	10127	11	AAA49	COMPLEX PIER 400 - 500 FT
18	10100	11	AAA49	PIER 100 - 200 FT
19	10266	11	AAA49	PIER 0 - 100 FT
20	10955	11	ADD49	PIER 200 - 300 FT
21	10970	11	ABB49	COMPLEX PIER 300 - 400 FT
22	10908	11	ABB49	PIER 200 - 400 FT
23	11020	11	ABB49	PIER 0 - 100 FT
24	11610	11	ABB50	COMPLEX PIER 200 - 300 FT
25	15217	11	REE53	COMPLEX PIER 500 - 600 FT
26	15420	11	ADD53	PIER 0 - 100 FT
27	15823	11	REE54	PIER 0 - 100 FT
28	15861	11	REE54	COMPLEX PIER 700 - 800 FT
29	16015	11	REE54	COMPLEX PIER 200 - 300 FT
306	END			

E HAMPTON CL

LIST OF ALL DATA FOR VARIABLE ST
WITH VALUE GR

LINE #	COORDINATE	RES	IS	VALUE
1	00341	11	ABB42	GROIN 300 - 400 FT
2	01790	11	ACC44	GROIN 0 - 100 FT
3	01966	11	ACC44	GROIN 200 - 300 FT
4	05045	11	ADD46	GROIN 400 - 500 FT
5	06344	51	B2266	GROIN 0 - 100 FT
6	06369	51	B2266	GROIN 0 - 100 FT
7	09031	51	B2276	GROIN 0 - 100 FT
8	09058	51	B2276	GROIN 0 - 100 FT
9	15400	11	ADD53	GROIN 0 - 100 FT
10	15469	51	ABC37	GROIN 0 - 100 FT
306	END			

E HAMPTON CL

LIST OF ALL DATA FOR VARIABLE ST
WITH VALUE GP

LINE #	COORDINATE	RES	IS	VALUE
1	02568	11	ADD44	POSSIBLE GROIN 0 - 100 FT
2	02532	11	ADD43	POSSIBLE GROIN 0 - 100 FT
3	02553	11	ADD43	POSSIBLE GROIN 0 - 100 FT
4	02132	11	REE47	POSSIBLE GROIN 0 - 100 FT
5	02289	11	REE47	POSSIBLE GROIN 0 - 100 FT
6	10076	11	ABB49	POSSIBLE GROIN 0 - 100 FT
306	END			

E HAMPTON CL

LIST OF ALL DATA FOR VARIABLE ST
WITH VALUE JT

LINE #	COORDINATE	RES	IS	VALUE
1	00305	11	ABB42	JETTY 100 - 200 FT
2	00674	11	ADD46	JETTY 500 - 600 FT
3	01475	11	REE47	JETTY 0 - 100 FT
4	07491	11	REE47	JETTY 0 - 100 FT
5	07524	11	REE47	JETTY 0 - 100 FT
6	07553	11	REE47	JETTY 0 - 100 FT
7	07592	11	REE47	JETTY 0 - 100 FT
8	07616	11	REE47	JETTY 0 - 100 FT
9	07638	11	ADD47	JETTY 0 - 100 FT
10	07700	11	ADD47	JETTY 0 - 100 FT
11	07720	11	ADD47	JETTY 0 - 100 FT
12	07727	11	ADD47	JETTY 0 - 100 FT
13	07745	11	ADD47	JETTY 0 - 100 FT
14	07787	11	ADD47	JETTY 0 - 100 FT
15	07814	11	ADD47	JETTY 0 - 100 FT
16	07826	11	ADD47	JETTY 0 - 100 FT
17	07853	11	ADD47	JETTY 0 - 100 FT
18	08972	11	ACC48	JETTY 0 - 100 FT
19	09990	11	ACC48	JETTY 0 - 100 FT
20	09010	11	ACC40	JETTY 0 - 100 FT
21	09023	11	ACC48	JETTY 0 - 100 FT
22	09042	11	ACC48	JETTY 0 - 100 FT
23	09058	11	ACC48	JETTY 0 - 100 FT
24	09071	11	ACC48	JETTY 0 - 100 FT
25	09084	11	ACC48	JETTY 0 - 100 FT
26	09095	11	ACC48	JETTY 0 - 100 FT
27	09643	11	ABB48	JETTY 0 - 100 FT
28	09664	11	ABB48	JETTY 0 - 100 FT
29	09634	11	ABB48	JETTY 0 - 100 FT
30	09727	11	ABB48	JETTY 0 - 100 FT
31	09011	11	ABB48	JETTY 0 - 100 FT
32	09907	11	ABB48	JETTY 0 - 100 FT
33	09943	11	ABB48	JETTY 0 - 100 FT
34	10022	11	AAA48	JETTY 0 - 100 FT
35	10048	11	AAA49	JETTY 0 - 100 FT
36	10077	11	AAA49	JETTY 0 - 100 FT
37	11143	11	ABB49	JETTY 100 - 200 FT
38	11606	11	ABB50	JETTY 0 - 100 FT
39	17489	11	ACC54	JETTY 100 - 200 FT
40	17475	11	ACC54	JETTY 100 - 200 FT
306	END			

APPENDIX G (continued)

Napeague Harbor

Hog Creek

E HAMPTON NH
 LIST OF ALL DATA FOR VARIABLE ST
 WITH VALUE PR
 LINE # COORDINATE RES IS VALUE
 1 01345 11 ABBS1 PIER 0 - 100 FT
 \$L END

E HAMPTON NH
 LIST OF ALL DATA FOR VARIABLE ST
 WITH VALUE GR
 LINE # COORDINATE RES IS VALUE
 \$L END

E HAMPTON NH
 LIST OF ALL DATA FOR VARIABLE ST
 WITH VALUE GP
 LINE # COORDINATE RES IS VALUE
 1 00123 11 ABBS0 POSSIBLE GROIN 0 - 100 FT
 2 00267 11 ABBS0 POSSIBLE GROIN 0 - 100 FT
 3 00285 11 ABBS0 POSSIBLE GROIN 0 - 100 FT
 4 00690 11 ABBS0 POSSIBLE GROIN 0 - 100 FT
 5 00960 11 ABBS1 POSSIBLE GROIN 0 - 100 FT
 6 01010 11 ABBS1 POSSIBLE GROIN 0 - 100 FT
 7 01050 11 ABBS1 POSSIBLE GROIN 0 - 100 FT
 8 01102 11 ABBS1 POSSIBLE GROIN 0 - 100 FT
 9 01120 11 ABBS1 POSSIBLE GROIN 0 - 100 FT
 10 01175 11 ABBS1 POSSIBLE GROIN 0 - 100 FT
 11 01678 11 ACSS1 POSSIBLE GROIN 0 - 100 FT
 12 02010 11 ACSS0 POSSIBLE GROIN 0 - 100 FT
 \$L END

E HAMPTON NH
 LIST OF ALL DATA FOR VARIABLE ST
 WITH VALUE JT
 LINE # COORDINATE RES IS VALUE
 1 01351 11 ABBS1 JETTY 0 - 100 FT
 \$L END

E HAMPTON NH
 LIST OF ALL DATA FOR VARIABLE ST
 WITH VALUE PR
 LINE # COORDINATE RES IS VALUE
 1 00111 \$L AC360 PIER 0 - 100 FT
 2 00125 11 AC246 COMPLEX PIER 100 - 200 FT
 3 00756 11 AC246 COMPLEX PIER 0 - 100 FT
 4 00036 \$L AC276 PIER 0 - 100 FT
 5 01000 11 AC247 COMPLEX PIER 300 - 400 FT
 \$L END

E HAMPTON NH
 LIST OF ALL DATA FOR VARIABLE ST
 WITH VALUE GR
 LINE # COORDINATE RES IS VALUE
 1 00090 11 AC246 GROIN 100 - 200 FT
 \$L END

E HAMPTON NH
 LIST OF ALL DATA FOR VARIABLE ST
 WITH VALUE GP
 LINE # COORDINATE RES IS VALUE
 1 00760 11 AC246 POSSIBLE GROIN 0 - 100 FT
 \$L END

E HAMPTON NH
 LIST OF ALL DATA FOR VARIABLE ST
 WITH VALUE JT
 LINE # COORDINATE RES IS VALUE
 \$L END

APPENDIX G (Continued)

Acad. Maack Harbor

Northwest Creek

```

E HAMPTON NA
LIST OF ALL DATA FOR VARIABLE ST
WITH VALUE PR
LINE #   COORDINATE RES IS VALUE
79      END
E HAMPTON AH
LIST OF ALL DATA FOR VARIABLE ST
WITH VALUE GR
LINE #   COORDINATE RES IS VALUE
79      END
E HAMPTON AH
LIST OF ALL DATA FOR VARIABLE ST
WITH VALUE GP
LINE #   COORDINATE RES IS VALUE
1        01700   11  ACC47 POSSIBLE GROIN 0 - 100 FT
2        01460   11  ACC47 POSSIBLE GROIN 0 - 100 FT
3        01744   11  ACC47 POSSIBLE GROIN 0 - 100 FT
4        01994   11  ACC47 POSSIBLE GROIN 0 - 100 FT
5        02053   11  ACC47 POSSIBLE GROIN 0 - 100 FT
79      END
E HAMPTON AH
LIST OF ALL DATA FOR VARIABLE ST
WITH VALUE JT
LINE #   COORDINATE RES IS VALUE
79      END

```

```

E HAMPTON NC
LIST OF ALL DATA FOR VARIABLE ST
WITH VALUE PR
LINE #   COORDINATE RES IS VALUE
1        02196   11  ACC44 PIER 0 - 100 FT
2        02274   11  ACC44 PIER 0 - 100 FT
40      END
E HAMPTON NC
LIST OF ALL DATA FOR VARIABLE ST
WITH VALUE GR
LINE #   COORDINATE RES IS VALUE
40      END
E HAMPTON NC
LIST OF ALL DATA FOR VARIABLE ST
WITH VALUE GP
LINE #   COORDINATE RES IS VALUE
1        00325   11  ACC43 POSSIBLE GROIN 0 - 100 FT
2        00740   11  ACC43 POSSIBLE GROIN 0 - 100 FT
40      END
E HAMPTON NC
LIST OF ALL DATA FOR VARIABLE ST
WITH VALUE JT
LINE #   COORDINATE RES IS VALUE
40      END

```