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## Oyster and Hard Clam Distribution in the Lower York River With Notes on Culture, Disease and Pollution

Dexter Haven  
*Virginia Institute of Marine Science*

Paul Kendall  
*Virginia Institute of Marine Science*

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1974

Report to  
Hampton Roads Sanitation District Commission  
(Hydro-Science).

Oyster and Hard Clam Distribution in the Lower York River  
With Notes on Culture, Disease and Pollution

by

Dexter Haven and Paul Kendall

Virginia Institute of Marine Science  
Gloucester Point, Virginia 23062

March 30, 1974

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## INTRODUCTION

Outlined in this report are aspects of the distribution and culture of clams and oysters of the lower York River. Included are two acetate overlays attached to U. S. Coast and Geodetic Survey Chart 492. The first shows locations and density of the hard clam Mercenaria mercenaria; the second shows the location of public oyster and clam grounds, oyster planting ground, and half-acre plots held by "riparian rights". Accompanying the latter chart is a complete list of the names and addresses of the holders of all "riparian rights" and lease holders (Appendix I). The area covered by this list is from the mouth of the York River to Cheatam Annex.

Also included in this report are current and past shellfish cultural practices and a brief summary of oyster diseases in the area.

Locations of areas classed as restricted for the harvest of shellfish are shown on ten charts (Appendix II).

## OYSTER CULTURE IN THE YORK

### Jurisdiction Over Growing Areas

In Virginia the "use" of the bottom, below mean low water, is under the supervision of the Virginia Marine Resources Commission. The general types of bottom follow:

## I. Public Bottoms

### A. Baylor Survey Grounds (public oyster grounds).

In 1894, the Virginia General Assembly set aside all the naturally productive oyster grounds in the State for public use. Persons paying a minimal license fee and obeying laws related to season, etc., may fish these areas. Today there are about 244,000 acres classed as public bottom in the State; 1,750 of which are shown on the overlay.

B. Public Clam Grounds. These areas were set aside by the Virginia Marine Resources Commission as areas to be fished for hard clams. Part of one of the largest areas is situated on the north shore of the York River near the mouth of the system.

C. Unassigned Bottoms. These areas, which compose the bulk of the "bottoms" in Virginia, are unclassified; certain of these areas are highly productive of hard clams.

## II. Private Bottoms (Leased oyster planting ground).

A. Leased Bottoms. Bottoms outside public clam areas and Baylor Survey Grounds may be leased from the Virginia Marine Resources Commission for fees ranging from 50¢ to \$1.50 per acre per year depending on their location. In 1973 there were about 100,000 acres in the State under lease.

B. Riparian Rights. Persons owning 105 feet or more of land on tidal waters may, by applying to the Virginia Marine Resources Commission, obtain a "riparian right" to 1/2 acre of bottom in the estuary in front of their property for the purpose of growing oysters.

#### Locations of Leased and Public Grounds

Accompanying this report is a transparent acetate overlay showing the locations and bounds in the lower York River of leased oyster bottoms, riparian right areas, public oyster grounds and public clam bottoms. The various locations shown on the overlay were traced on U. S. Coast and Geodetic Survey Chart 492 from the charts on file at the Virginia Marine Resources Commission at Newport News, Virginia. Data shown are current as of February, 1974.

By inspecting the overlay it will be noted that the areas outlined are designated as public (oyster) grounds or public clam grounds or they are numbered or, in a few instances, identified by the names of the lessees. The designations of the first two categories are self explanatory; squares shown only by numbers or by a person's name are leased bottoms or riparian rights. The numbering system on the chart is that employed by the Commission in identifying the individual plots on their maps. By referring to the chart and to the lists in Appendix I, the specific lessee of each plot may be identified.

In Back Creek, Perrin River and the N.E. and N.W. branches of Sarah's Creek, all leased bottoms are not drawn on the chart. The reason for this is that there were no maps of these areas on file at the Virginia Marine Resources Commission showing locations of the

leased bottoms in relation to shore points. The plat file records (showing surveyors' marks and little shoreline) could not be used to accurately delimit areas on the overlay since they did not depict the necessary outlines of the surrounding land areas.

While the chart does not show all details of the preceding areas, the list of lessees in Appendix I is complete.

### Oyster Culture in the Lower York River

Prior to 1960 the lower York River was extensively used by private growers to culture oysters, Crassostrea virginica, and areas of leased bottoms were much greater than they are at present. In this early period seed oysters, bought in the James River, were planted on the leased bottoms shown on the accompanying chart or on nearby bottoms which are no longer under lease. There are no published record of the quantity of oysters harvested from the leased bottoms prior to or after 1960.

Available evidence, however, suggests that in the area extending from just above the Coleman Memorial Bridge to Tue Marsh Light annual harvest from leased areas prior to 1960 may have averaged about 50,000 bushels each year.

50,000  
bu/yr

Prior to 1960 (from 1950 to 1960) production from public bottoms (Baylor Survey Grounds) below the Coleman Memorial Bridge was practically zero. The reason for this is that the oyster drill, Urosalpinx cinerea, was active in this area and few spat (recently set oysters) survived to attain maturity.

After 1960 production from leased bottoms in the lower York fell drastically due to the oyster disease MSX. This pathogen entered the bay system in that year and destroyed several million dollars worth of oysters in high salinity regions. This disease is still in the area and it is still not possible to grow oysters in the lower York from seed to market oysters without experiencing excessive losses. As a result, since 1960 oyster growers no longer plant seed in the high salinity region below the Coleman Memorial Bridge and in the area immediately above to about Cheatam Annex.

On occasions, growers have attempted to circumvent the adverse effects of MSX by buying large oysters (2-3 inches) in the fall and harvesting them in spring before they die from MSX. To the authors knowledge this has been attempted in the past in the York on only a very limited scale; no one today seems to be attempting it. It is pointed out, however, that while this cultural practice is not presently utilized, it may be attempted in the future. There is also the possibility that in the future oysters resistant to MSX may be cultured in this region.

Leased bottoms in the creeks tributary to the lower York River have since 1960 yielded very limited harvests; again the exact quantity is unknown, but probably the total volume is less than 1000 bushels each year. As will be shown later, many of these small creeks are classed as restricted due to bacterial pollution or the possibility of bacterial pollution.

Upriver from Gloucester Point the public rocks in the main trunk of the river have, since 1960, yielded minimal quantities of oysters estimated by the author to be less than 1000 bushels annually.

## Polluted Areas in the York River

In the lower York River there are 13 areas classed as "Restricted For The Harvest Of Shellfish" by the Virginia Bureau of Shellfish Sanitation. These locations are shown in Appendix II. These data were obtained from the files of the Virginia State Department of Health. On the south side of the York the restricted areas are: King Creek, Felgates Creek, Indian Field Creek, an area off Cheatam Annex, an area off the Naval Weapons Station, an area off the U. S. Coast Guard Station, and the Eastern Branch of Wormley Creek. On the north shore of the York are: Carters Creek, Cedarbush Creek, Gloucester Point, Sarah Creek, the Perrin River and Monday Creek (See Chart 492).

In these restricted areas, molluscs may not be harvested without first obtaining a permit to do so from the Virginia Marine Resources Commission. The laws which regulate harvest and the subsequent sale of oyster, clams or other shellfish from restricted areas are clearly outlined by State and Federal regulations. The season for the removal and/or relaying of shellfish from private grounds is from April first to November first; for public grounds the season extends from May first to August fifteenth. However, the preceding dates may be changed by the Commission.

Shellfish harvested from restricted areas must be relaid to approved grounds for 15 days prior to harvest for market with water temperatures above 50F.

The relaying of oysters is quite expensive, since the practice represents a double harvest and oysters are "lost" with each harvest. Therefore, relaying is regarded as economically unfeasible by most of those in the oyster business.

*Relaying  
before  
culture*



HARD CLAMS IN THE LOWER YORK RIVER

While the lower York River is not used today for oyster culture, many areas of bottom are highly productive of the hard clam, and from 10 to 20 "patent tong" boats daily work in the area extending from the mouth of the river to about 2 miles above the Coleman Memorial Bridge.

*10-20  
patent  
Tong  
boats*

Average catch of each patent tong boat is 2 to 3 thousand clams daily worth 3 to 4¢ each. That is, average daily harvest of each boat is about \$87.

During the past seven years, the Virginia Institute of Marine Science has surveyed hard clam beds in the lower York River under a grant from the U. S. National Marine Fisheries Service. Techniques used include surveys with patent tongs, escalator dredges, and deep water hydraulic tow dredges. Based on information obtained in these studies, we have drawn areas of hard clam abundance on a second overlay of chart 492.

Areas shown on this overlay as moderate to high density will support commercial clamming operations by patent tongers.

SUMMARY

The principal value of the lower York River today is for the culture of hard clams.

The value of the oyster harvest today from the lower York is very low and has been low since 1960 because of MSX.

*Declines  
was here  
before !!!*

Production from leased areas has been almost zero due to the oyster disease MSX. Prior to 1960 production from private leases amounted to about 50,000 bushels each year.

Production from the public grounds before and after 1960 in the area below the Coleman Memorial Bridge has been nearly zero. Before 1960 drills killed most of the developing spat; after 1960 low production was due to drills plus MSX.

Production of oysters from public bottoms in the area from Cheatam Annex to the bridge has been low since 1960 and has not exceeded 1000 bushels annually. Low production is due to drills and MSX.

Many of the tributary creeks in the lower York River are classed as restricted for shellfish harvest. Commercial culture of oysters in polluted areas is regarded as economically unfeasible today.

There is a potential for culturing oysters in the lower York River, but so far no grower has attempted it on any scale. That is:

- 1) the short term holding of large oysters; and
- 2) growing MSX resistant oysters.

APPENDIX I

A List of Oyster Ground Leases in the Lower York River  
(Arranged According to the Numbers Shown on the  
Accompanying Chart and in Numerical Order)

(Current as of February, 1974)

York County Side

York River - Southside  
 (Tue's Pt. to Yorktown)

<u>Tract No.</u>	<u>Lessee</u>	<u>Acreage</u>	<u>Plat File No.</u>
64	Waterview Seafood Corp.	5.20	3529
66	Waterview Seafood Corp.	6.50	1903
74	Waterview Seafood Corp.	15.30	1811
75	Waterview Seafood Corp.	19.72	4855
102	Waterview Seafood Corp.	23.10	4647
105	Floyd Holloway	7.08	4361
106	Earl R. Lockwood	0.50 rip	6470
107	Margaret Lockwood	0.50 rip	6449
108	Waterview Seafood Corp.	27.17	3548
109	Waterview Seafood Corp.	56.10	4859
110	Waterview Seafood Corp.	6.44	4858
112	J. L. Hutton	9.98	7453
113	Waterview Seafood Corp.	7.83	9883
114	Waterview Seafood Corp.	2.68	5735
116	Waterview Seafood Corp.	246.01	8589
117	Waterview Seafood Corp.	249.80	8588
118	Waterview Seafood Corp.	247.15	8591
119	Waterview Seafood Corp.	248.89	10293
120	Douglas E. Richie	0.50 rip	12256
121	John Belvin	0.50 rip	
122	American Oil Co.	0.50 rip	10292

York Thorofare

<u>Tract No.</u>	<u>Lessee</u>	<u>Acreage</u>	<u>Plat File No.</u>
Unnumbered	Richard M. Hinson	4.89	10035
	Wm. P. & Marian Lilly	0.50 rip	10105
	Forrest E & Helen D. Wornom	0.50 rip	10106
	L. O. Westcott	5.28	9885
	John Thomas Crockett	27.72	6248
	Dawson Packing Co., Inc. and G. B. Sparrow, Inc.	108.57	

Claxton Creek

<u>Tract No.</u>	<u>Lessee</u>	<u>Acreage</u>	<u>Plat File No.</u>
1	Joan Green	10.40	12438
2	J. L. Hanseford	4.25	5896
3	J. L. Hanseford	5.10	5897
4	H. J. Osborn	4.99	5898
5	Chandler Teagle		

Back Creek

<u>Tract No.</u>	<u>Lessee</u>	<u>Acreage</u>	<u>Plat File No.</u>
Unnumbered	C.H. Barber	0.50 rip	10643
	F.C. Barnes	2.08	491
	Chesapeake Corp. & W.C. Gouldman	3.62	3862
	R.M. Crockett	1.94	10639
	R.M. Crockett	2.86	6151
	R.M. Crockett	8.19	6152
	L.T. Dawson	2.70	10176
	F.L. Eley & W.W. Hamilton	3.39	10317
	V.F. Ewell, Sr.	0.90	12254
	R. & C.P. Forrest	2.00	490
	H.H. Hamilton	0.50 rip	6340
	F.L. Hansford	5.76	10635
	O.M. Hogge	2.24	2421
	R.F. Hogg	0.50	
	Floyd Holloway	2.53	4239
	P.W. Hornsby & R.W. Dawson	4.18	11055
	J.R. Hubbard	1.30	4856
	T.T. Ironmonger	1.44	10414
	Andrew Locklie	4.25	3121
	Geo. W. Mills	0.50 rip	2421
	J.T. Mills	0.50 rip	6471
	J.T. Mills	0.50 rip	3821
	J.T. Mills	0.45	3821
	O.R. Mills	0.50 rip	3035



## Back Creek (Contd.)

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<u>Tract No.</u>	<u>Lessee</u>	<u>Acreage</u>	<u>Plat File No.</u>
Unnumbered	O.R. Mills	5.25	3035
	R.B. & E.W. Marillo	0.50 rip	11054
	Sanuel Morse	0.80	10641
	Mrs. Emma Parker	0.50 rip	6748
	Bill Scruggs	0.33 rip	12209
	N.S. Shield	0.50 rip	2375
	N.S. Shield	1.36	12288
	G.B. Sparrer	0.71	11842
	A.C. Swartz	1.00	
	G.K. Teagle, Jr.	1.49	6468
	A.P. Thomas	1.45	2422
	A.P. Thomas	1.58	3034
	T. Trexler	0.50 rip	10642
	Paul Ward	6.00	8892
	S.E. Wescott	3.80	2376
	E.A. White	0.42	3118
	E.A. White	1.00	2745
	Harry White	3.51	10634
	R.E. White	0.50 rip	4646

Wormleys Creek

<u>Tract No.</u>	<u>Lessee</u>	<u>Acreage</u>	<u>Plat File No.</u>
3A	Walter H. Reiser	0.90	5945
4	Walter H. Reiser	0.98	5944
5	Walter H. Reiser	2.35-Tract#1	11480
5A	John Bosta	1.05-Tract#2	11480
6	Thaddeus Basta	0.50 Rip.	11613
6A	John Borowski	0.43 Rip.	11612
7	John Bosta	0.50 Rip.	2374
7A	Stanley Basta	0.50 Rip.	11611
8,9&11	John Bosta	5.66	
10	John Bosta	2.50	11615
10A	Paul Basta	0.50 Rip.	11616
14A	George E. Morse	3.00	6474
15	F. L. Hogge & Bro.	0.50 Rip.	
101	Joe D. Snyder, Jr.	0.50 Rip.	7736
103	T. A. Zepnikoski	0.50 Rip.	6472
104	Axel T. Mattson	0.42 Rip.	7739
105	Joseph F. Gregory	0.38	11617
106	Otis K. Forbes, Jr.	0.38 Rip.	8657
107	Col. A. B. Butterworth	0.50 Rip.	8593
108	Mrs. Winnie R. Riser	0.50 Rip.	5946
109	John Stack	0.50 Rip.	8656
110	Paul Crockett	0.50 Rip.	6341
111	Melvin S. Anderson	0.79	10289
111A	Melvin S. Anderson	0.50 Rip.	10289
112	W. G. Gardner	8.53	10290

Wormleys Creek (Contd)  
Page 2

<u>Tract No.</u>	<u>Lessee</u>	<u>Acreage</u>	<u>Plat File No.</u>
116	Joseph Schmidt	0.50 Rip.	6509
117	Dexter S. Haven	22.82	8658
118	Royal C. Insley, Sr.	9.97	
121	Stewart, Olstad, Marty, & Speegle	3.60	
200	B. T. Fox	0.50 Rip.	10969

York River - Southside  
(Yorktown to King's Creek)

<u>Tract No.</u>	<u>Lessee</u>	<u>Acreage</u>	<u>Plat File No.</u>
47	H. C. Treakle and E. O. Fitchett	32.80	3109
50	Chesapeake Corp. of Va.	12.56	4253
102	Clarice H. Carmines Wm. Haywood Hogge Elbert J. Hogge Lydia H. Graham Merell H. Federer	54.37	8725
103	Hogge Oyster Co.	37.75	9773
104	Carl Schlifer	3.09	9772

Gloucester County Side

York River - North Side  
(River mouth to Gloucester Pt.)

<u>Tract No.</u>	<u>Lessee</u>	<u>Acreage</u>	<u>Plat File No.</u>
1	Virginia Institute of Marine Science	4.20	4234
2	VIMS	0.13	7253
3	VIMS	7.20	1819
5	John H. Tillage	6.80	3530
6	Robert C. Tillage	4.00	
7R	Lloyd W. Williams	5.27	12517
8	VIMS	2.60	4637
10	VIMS	6.00	
11	Paul A. Riley	6.94	1897
14	T.M. Tillage	28.50	2260
15	T.M. Tillage	11.20	6237
17	A. Jackson Booth	11.81	4703
19	A. Jackson Booth	13.85	6499
22	E.P. Blake	28.40	
23	Shackelford-Schlifer Seafood Corp.	16.80	12321
32	Robert C. Tillage	4.38	7321
35	Lloyd B. Blake	32.90	1894
37	Edgewater Seafood, Inc.	33.19	3532
39	Edward P. Blake	6.10	
40	Edward P. Blake	3.00	
42	W.H. Rowe	5.90	
43	William H. Rowe	4.75	

## York River - North Side (Contd.)

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<u>Tract No.</u>	<u>Lessee</u>	<u>Acreage</u>	<u>Plat File No.</u>
44	Edward P. Blake	2.00	
45	Edward P. Blake	3.40	
46	Edward P. Blake	2.50	
47	Edward P. Blake	2.50	
48	L. Bacon Blake & Edward P. Blake	21.20	12145
49	Edgewater Seafood Co., Inc.	14.10	
50	Edgewater Seafood Co., Inc.	7.19	3532
51	Lloyd B. Blake	6.90	
51A	Shackelford-Schlifer Seafood Corp.	81.51	12317
53	L.B. Blake	47.56	2942
57A	VIMS	6.30	2362
59	Shackelford-Schlifer Seafood Corp.	29.84	12382
100	I. Rosser	15.56	5289
101	Lloyd B. Blake	21.60	5288
103	W.H. Rowe	21.48	5293
104	W.E. Shackelford	15.00	5294
106	J. Lionel Jordan, Harry R. Byrd	36.75	4826
107	George W. Marshall	0.50 rip	4872
109	Shackelford-Schlifer Seafood Corp.	6.70	8028
200	Shackelford-Schlifer Seafood Corp.	20.68	12509
201	Shackelford-Schlifer Seafood Corp.	16.27	12511

York River - North Side (Contd.)

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<u>Tract No.</u>	<u>Lessee</u>	<u>Acreage</u>	<u>Plat File No.</u>
203	I. Rosser Blake	21.51	2982
205	Shackelford-Schlifer Seafood Corp.	16.53	12510
206	Shackelford-Schlifer Seafood Corp.	16.80	12316
207	I. Rosser Blake	12.20	4080
208	J. Lionel Jordan, Harry R. and J. Byrd	41.06	8336
209	Marshall L. Smith	24.30	5290
210	VIMS	5.88	7254
211	John H. Tillage	6.69	7252
212A	VIMS	0.50 rip	12006
212	VIMS	4.60	12007
213	VIMS	0.50 rip	7423
214	Shackelford-Schlifer Seafood Corp.	16.95	12319
215	A. Jackson Booth	8.26	4476
216	E.P. Blake	17.00	4837
217	R.W. Jordan & R.L. James, Jr.	11.11	4231
218	Ann W. & Lysle P. Parlett	5.33	9530
220	Shackelford-Schlifer Seafood Corp.	17.27	12318
222	A. Jackson Booth	17.40	5881
223	L. B. Blake	18.33	5019
224A	John F. & Peggy M. Newcomb	1.43	11989
225	Gregg C. & Barbara W. McLeod	9.64	12597



## York River - North Side (Contd.)

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<u>Tract No.</u>	<u>Lessee</u>	<u>Acreage</u>	<u>Plat File No.</u>
226	Robert P. & Thomas F. Morgan	9.50	12619
227	Charles P. Hogan	4.56	12622
228	Johnnie T. Castellow	8.08	12604
255	William R. West	5.90	12620
256	William J. Cannon	0.50 rip	9351

Ferrin River  
(Also called Sedgers Creek)

<u>Tract No.</u>	<u>Lessee</u>	<u>Acreage</u>	<u>Plat File No.</u>
1	R.P. & B.R. Kearny	0.50 Rip.	5267
2	R.P. & B.R. Kearny	0.76	5267
4	J.R. Robins	2.42	
3&5	P.I. Davis	1.27	10621
6	Mrs. Annie Disney	0.50 Rip.	11178
7	York River Seafood Co., Inc.	5.70	11179
8	Perico Corp.	0.50 Rip.	11779
9	C.J. & D.J. Chamberlain	0.50 Rip.	10149
10	Col. James Cake	0.50 Rip.	10149
11	J.W. & F.D. Robins	0.50 Rip.	10815
12	Bennie Belvin	0.99	12183
13	W.C. Brown	0.50 Rip.	5266
14	W.H. & N.S. Brown	0.50 Rip.	6236
18	Perico Corp.	5.28	11781
19	Herman Green	1.31	11995
22	Percy Jenkins	7.58	11988
23	Rosco & Allyson Meadows	3.29	12380
24	Charles Zehmer	0.50 Rip.	10817
25	J.T. Cromwell	0.50 Rip.	4396
Unnumbered			
	E.L. Anderson	0.50 Rip.	4171
	J.L. Chapman	3.76	6235
	D.L. & M.H. Johnson	0.92	4569
	D.L. & M.H. Johnson	1.00	

<u>Tract No.</u>	<u>Lessee</u>	<u>Acreage</u>	<u>Plat File No.</u>
Unnumbered	M.S. Rowe	5.14	9967
	H.M. Smith	0.71	
	J.M. Tillage	0.50 Rip.	

Sarah's Creek

<u>Tract No.</u>	<u>Lessee</u>	<u>Acreage</u>	<u>Plat File No.</u>
1	Mrs. O. W. Fary	6.38	5099
2	W. A. Newbill	2.12	9860
3	W. A. Newbill	0.50 rip	6908
4	H. A. Gray	6.56	9298
5	H. A. Gray	0.55	11267
6	H. A. Gray	1.00	11267
7	Theodore Pratt	6.35	10150
8	Theodore Pratt	0.50 rip	7552
9	Thomas Arnold	1.25	9852
10	Theodore Pratt	0.18 rip	9851
11	Myrtle Klohr	0.50 rip	9295
12	Thomas Arnold	1.39	9748
13	Walter Walker	4.82	9227
14	A. E. Kendrew	0.50 rip	7651
15 I&II	Tidewater Seafood Co.	6.93	12010
15 III&IV	Virginia Institute of Marine Science	1.67	12010
16	J. L. Hundley	0.54	10623
18	H. B. Williams	0.50 rip	8871
19	D. H. Pollard	2.40	11313
20	Tidewater Seafood Co.	0.50 rip	11425
Unnumbered			
	J. W. Anderson	0.50 rip	11475
	Estelle Anderton	0.50 rip	11992
	Mrs. F. W. Binswanger	8.50	2825
	E. P. Blake	2.49	7151

## Sarah's Creek (Contd.)

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<u>Tract No.</u>	<u>Lessee</u>	<u>Acreege</u>	<u>Plat File No.</u>
Unnumbered			
	E.P. Blake	4.83	7211
	L.B. Blake	1.98	7152
	W. & M. Bowditch	4.45	3699
	W.L. Brown	5.86	
	Eldridge Cook	0.50 rip	9228
	Eldridge Cook	4.94	11778
	O.W. Fary, Jr.	1.00	11267
	A.C. Gentil	2.16	4065
	H.A. Gray	2.20	11547
	Harris	1.02	4680
	E.L. & M.H. Hoffman	1.75	6798
	R.M. Hughes	0.50 rip	4150
	E.C. Jenkins	0.50 rip	10567
	E.C. Jenkins	2.78	10568
	J.F. Jenkins	2.11	10148
	C.G. Jones, Jr.	1.40	4570
	J.E. Jordan & T.M. Tillage	0.36 rip	6120
	H.R. & J.B. Jordan	1.37	8087
	H.R. & J.B. Jordan	1.40	4571
	L. Jordan and W. Jones	1.40	4570
	J.W. Reed	6.15	8263
	J.W. Reed	7.72	8264
	G.A. Tillage	0.60	4063
	G.A. Tillage	0.96	4063

<u>Tract No.</u>	<u>Lessee</u>	<u>Acreage</u>	<u>Plat File No.</u>
Unnumbered			
	G.A. Tillage	1.21	8474
	N.H. & M.L. Tillage	3.47	8473
	R.W. Tillage	0.50 rip	3604
	T.A. Walthall	0.77	8160
	T.A. Walthall	3.07	8160
	F.D. West	0.87	4062
	F.D. West	1.12	4681
	F.D. West	2.03	4062
	Ida D. West	1.77	11990
	W.E. West	2.91	4681
	E.E. Willis	0.65 rip	12010

York River - North Side  
(Gloucester Pt. to Pages Rock Light House)

<u>Tract No.</u>	<u>Lessee</u>	<u>Acreage</u>	<u>Plat File No.</u>
3	Wilbur Riley, Jr.	11.50	2003
4	Wilbur Riley, Jr.	10.90	2004
6	Lawrence and Catherine Hogge	4.00	2244
7	B. R. Kemp	8.70	2007
8	B. R. Kemp	8.20	2384
9	Virgil M. Forrest	0.50	3519
10	Alonza Ambrose	1.09	3518
11A	Norman F. Hogge	0.28	2001
11B	Oris W. Carmines	0.28	2006
12	Robert J. and Gladys S. Brown	2.20	3524
13	Walden H. White	5.20	2247
14	J. T. Oliver	4.30	2000
16	W. W. Seawell	2.90	2251
17	B. H. Crewe	1.85	2250
19	Peyton Smith	4.00	1961
20	Robbie R. Hogg	3.30	2250
24	Carl Schlifer	7.60	3526
25	J. A. Carmine and Bro.	14.93	3522
26	B. R. Kemp	27.10	
27	Dudley J. Coates	6.10	2002
29	J. E. Jordan	2.33	3700
35	Maude T. Shackelford	16.50	1896
35A	Maude T. Shackelford	8.00	1896

<u>Tract No.</u>	<u>Lessee</u>	<u>Acreage</u>	<u>Plat File No.</u>
36	J. Pope Nash	0.50 rip	3525
37	George Street	0.48 rip	3521
38	Maude T. Shackelford	0.50 rip	3527
41	Ruth DeFord Minor	5.65	4002
44	Katherine T. Allen; Margaret T. Roach; Reethia Tillage; and Nathan H. Tillage, Jr.	23.40	1823
56	Ann Marshall Webb	4.19	3357
61	Welford P. and Esther E. Brown	3.67	3345
62	Ann Marshall Webb	1.22	10405
64	Mary Nuttall	12.54	4881
65	Jones H. Brown	11.89	4216
74	David O. Brown	8.23	4011
76	Wilbur Riley, Jr.	11.88	
101	Katherine T. Allen; Margaret T. Roach; Reethia Tillage; and Nathan H. Tillage, Jr.	5.35	6910
103	Alonza Ambrose	2.68	6806
104	Mary F. Williams	2.93	6645
105	H. C. Seawell	3.97	10877
106	Carl Schlifer	14.15	9759
107	O. W. Carmines	0.43	10445
108	Beverly R. Kemp	3.32	9691
109	Carl Schlifer	1.40	9689
110R	C. C. Conway, III	46.70	
113	J. T. Oliver	2.56	6066



<u>Tract No.</u>	<u>Lessee</u>	<u>Acreage</u>	<u>Plat File No.</u>
114	Virgil M. Forrest	11.20	6064
115	A.T. Ambrose	3.15	6065
116	J.T. Oliver	0.89	6466
117	Virgil M. Forrest	1.55	7156
118	Clarice H. Carmine; Wm. Haywood Hogge; Elbert J. Hogge; Merrell H. Federer	14.22	6647
119	Julian A. Williams	2.60	3701
120	Edward Eggleston, Jr.	2.57	8698
123	C. C. Conway, III	7.68	10361
124	C. C. Conway, III	6.34	9440
127	Irving Crews	5.35	2005
128	W. W. Ambrose	1.09	4878
129	I. E. Crew	11.20	6648
130	Herman Croswell	1.68	4828
132	Leon H. and Mildred Goronto	9.11	4081
134	Mary Nuttall	4.09	4010
135	Daniel C. Oliver	3.62	4100
136	N. J. Oliver	4.56	4009
137	Woodrow B. Oliver	4.05	4099
138	F. H. Stokes	11.49	4021
139	T. R. Tillage	48.89	5885
140	B. R. Kemp	2.27	3808
141	B. R. Kemp	2.81	3659
143	O. W. Carmine	4.67	6241

## York River - North Side (Contd.)

Page 4

<u>Tract No.</u>	<u>Lessee</u>	<u>Acreage</u>	<u>Plat File No.</u>
145	James D. Oliver	0.50 rip	3358
147	Peyton Smith	2.92	3949
150	Thomas L. Lanier	6.50	2971
153	R. L. Fraser	0.50 rip	9687
154	Jason Westerfield	0.50 rip	3746
156	Leon H. and Mildred Goronto	0.50 rip	3747
157	Dr. George Edward Mowry	0.50 rip	9688
158	Jessee R. and Ethel Hodges	0.50 rip	3547
159	Morris Owens	3.50	4959
160	Benjamin F. Seawell, Jr.	4.66	8346
162	James Davis	2.16	4789
163	W. B. Oliver	7.11	6303
165	A. F. Hogge	1.78	3765
167	Charles Forrest	0.50 rip	3660
169	James Davis	2.00	5242
170	Woodrow B. Oliver	4.87	7155
171	Barnes Gilbert Hogge	2.00	5221
172	Dudley Coates	2.89	4881
173	Harry R. and J. Byrd Jordan	3.27	3766
174	Edward Eggleston, Jr.	2.07	8339
175	David O. Brown	2.00	4788
177	Margaret C. Lewis Brooks	5.61	3423
179	Ruby E. Hogge	16.48	11740

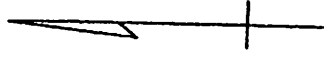
<u>Tract No.</u>	<u>Lessee</u>	<u>Acreage</u>	<u>Plat File No.</u>
205	Catesby G. Jones, Jr.	0.50 rip	4840
206	R. Mann Page	7.12	10879
207	Mrs. Ruth DeFord Minor	0.50 rip	10730
209	H.V. White	2.71	
210	John Tillage	3.00	3412
211	Clarence Crosswell	3.68	4961
212	Alonza Ambrose	2.69	3807
213	Woodrow B. Oliver	1.60	5181
250R	C. C. Conway, III	10.19	12520
251	Hilary Diggs	0.50 rip	11296
252	Kinsey and Elizabeth T. Spotswood (Tr. 1 - 4.66 & Tr. 2 - 19.38 acres)	24.04	12470
253	Norval V. McKeen	0.50 rip	12578
254	Thomas G. Luckam	0.50 rip	12519

APPENDIX II

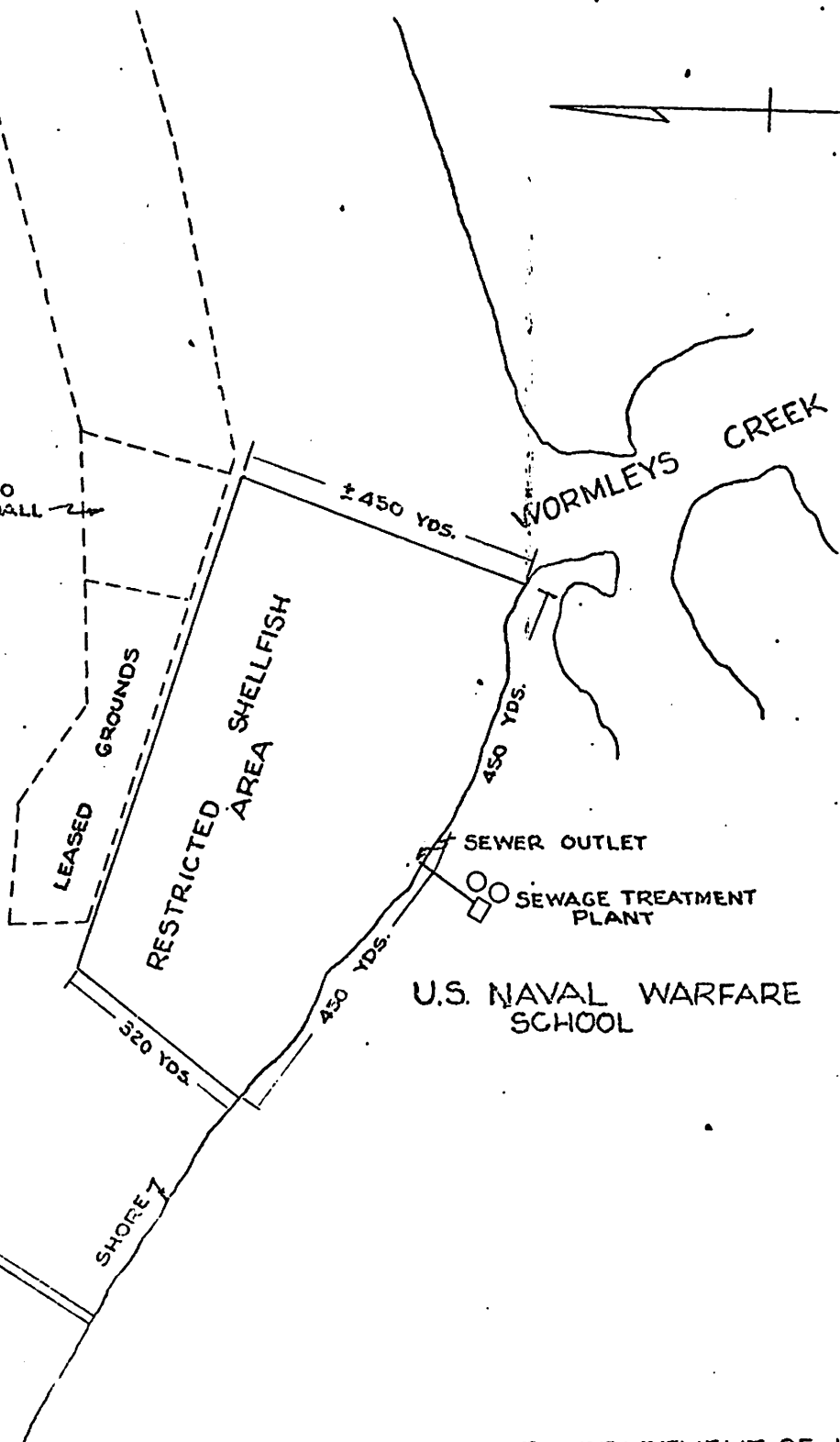
Charts Showing the Areas Classed as Restricted for the  
Harvest of Shellfish in the Lower York River

(Current as of January, 1974)

YORK RIVER



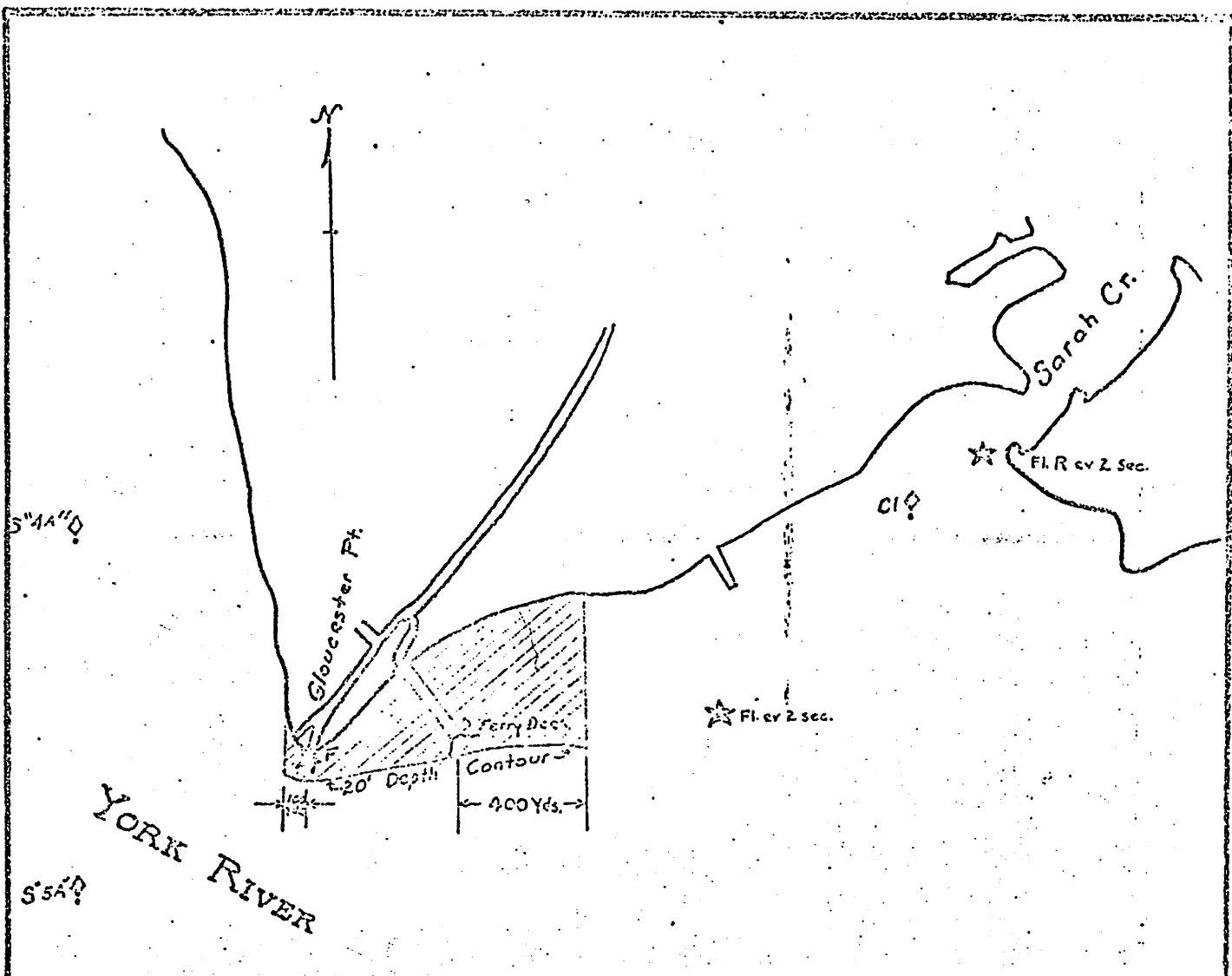
ASSIGNED TO JANEY RANDALL



*New Coast Guard*

VIRGINIA STATE DEPARTMENT OF HEALTH  
YORK RIVER  
OPPOSITE U.S. NAVAL WARFARE SCHOOL  
RESTRICTED SHELLFISH AREA NO. 6  
OCTOBER 23, 1950

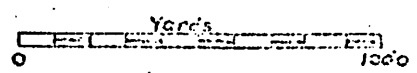
SCALE



NOTE:

Also see written notice of same date describing area closed.

Scale  $\frac{1}{20000}$



VIRGINIA STATE DEPARTMENT OF HEALTH  
 YORK RIVER AT GLOUCESTER POINT  
 RESTRICTED SHELLFISH AREA-27  
 JANUARY 3, 1941

CONDENSED SHELLFISH  
MILLFISH  
NOV. 35

Queen 29'

Queen Creek

King Creek

LEGEND

CONDENSED AREA

Felgates Creek

CONDENSED SHELLFISH  
NOV. 39

17325  
C.C.

39'

Carter  
Creek

Colburn  
Creek

Timberneck Cr.

Sandy Pt.  
Light

CONDENSED SHELLFISH  
NOV. 40

Small  
Creek

CONDENSED SHELLFISH  
NOV. 35, 39 & 40

1 MAY 1942

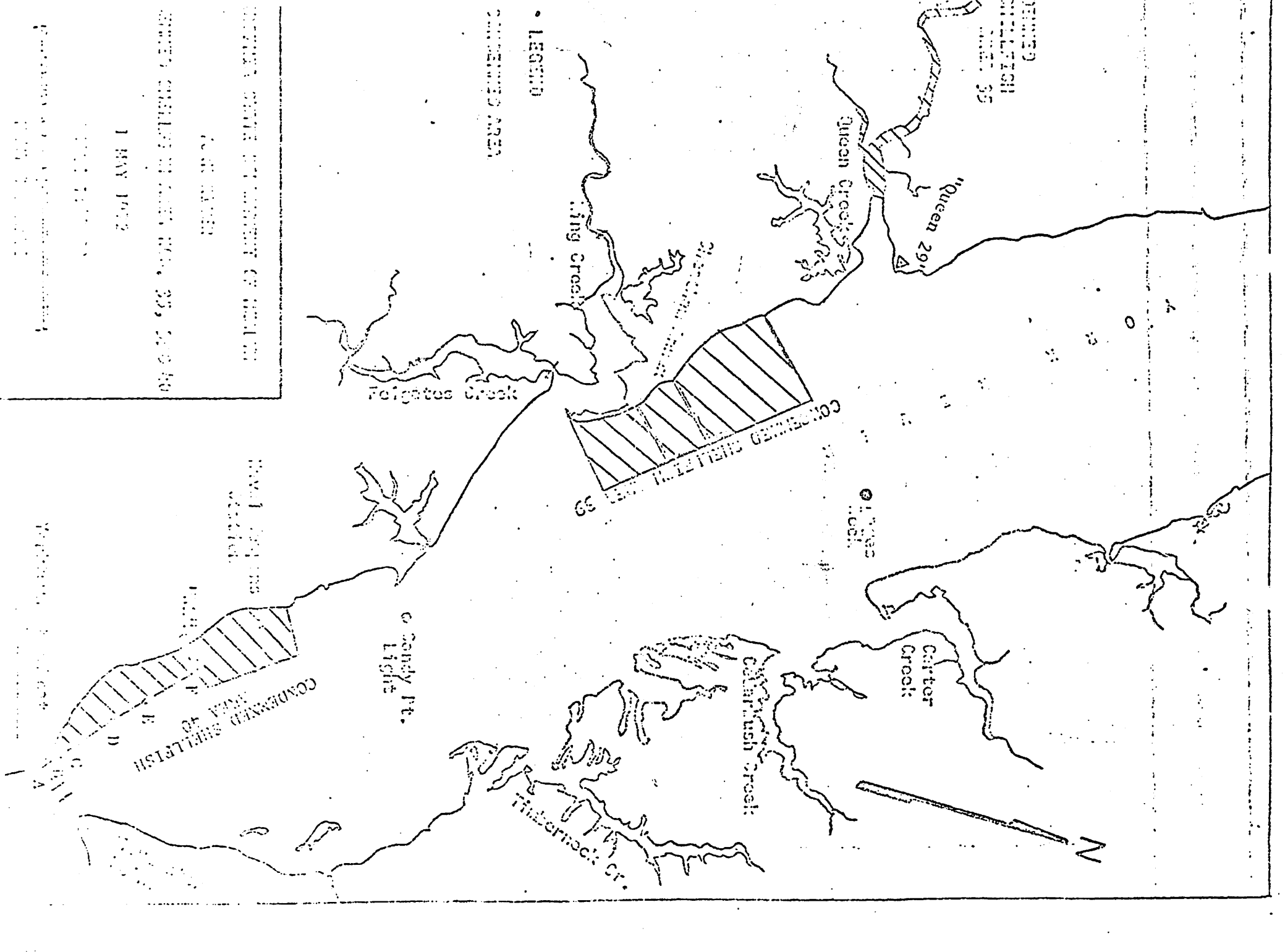
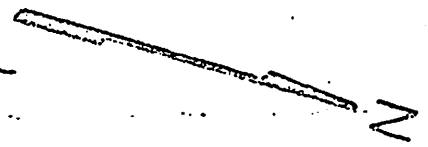
CONDENSED SHELLFISH  
NOV. 35

CONDENSED SHELLFISH  
NOV. 35

CONDENSED SHELLFISH  
NOV. 35

CONDENSED SHELLFISH  
NOV. 35

CONDENSED SHELLFISH  
NOV. 35



VIRGINIA STATE DEPARTMENT OF HEALTH

SARAH CREEK

CONDEMNED SHELLFISH AREA NO. 52

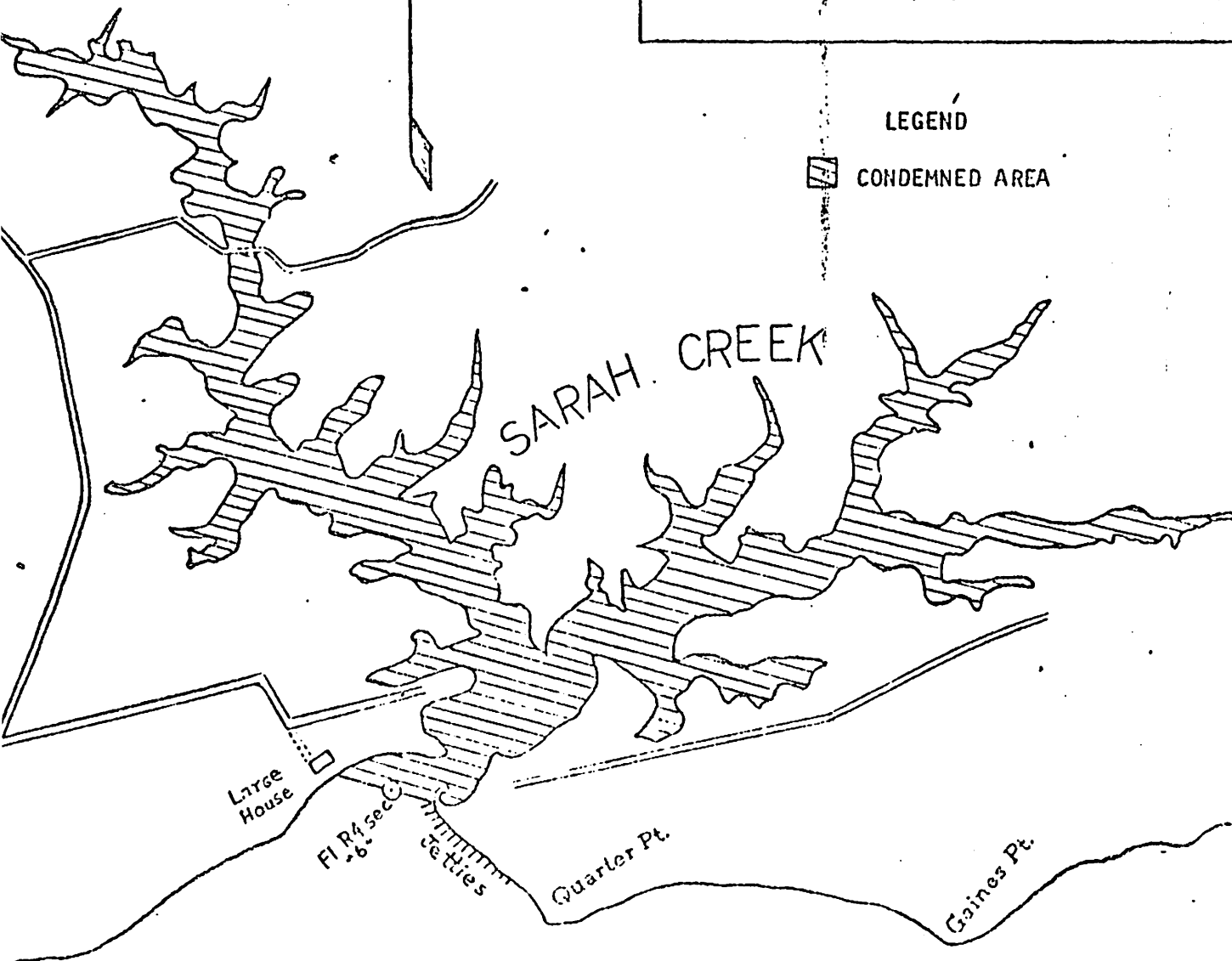
27 SEPTEMBER 1965

SCALE 1:20000



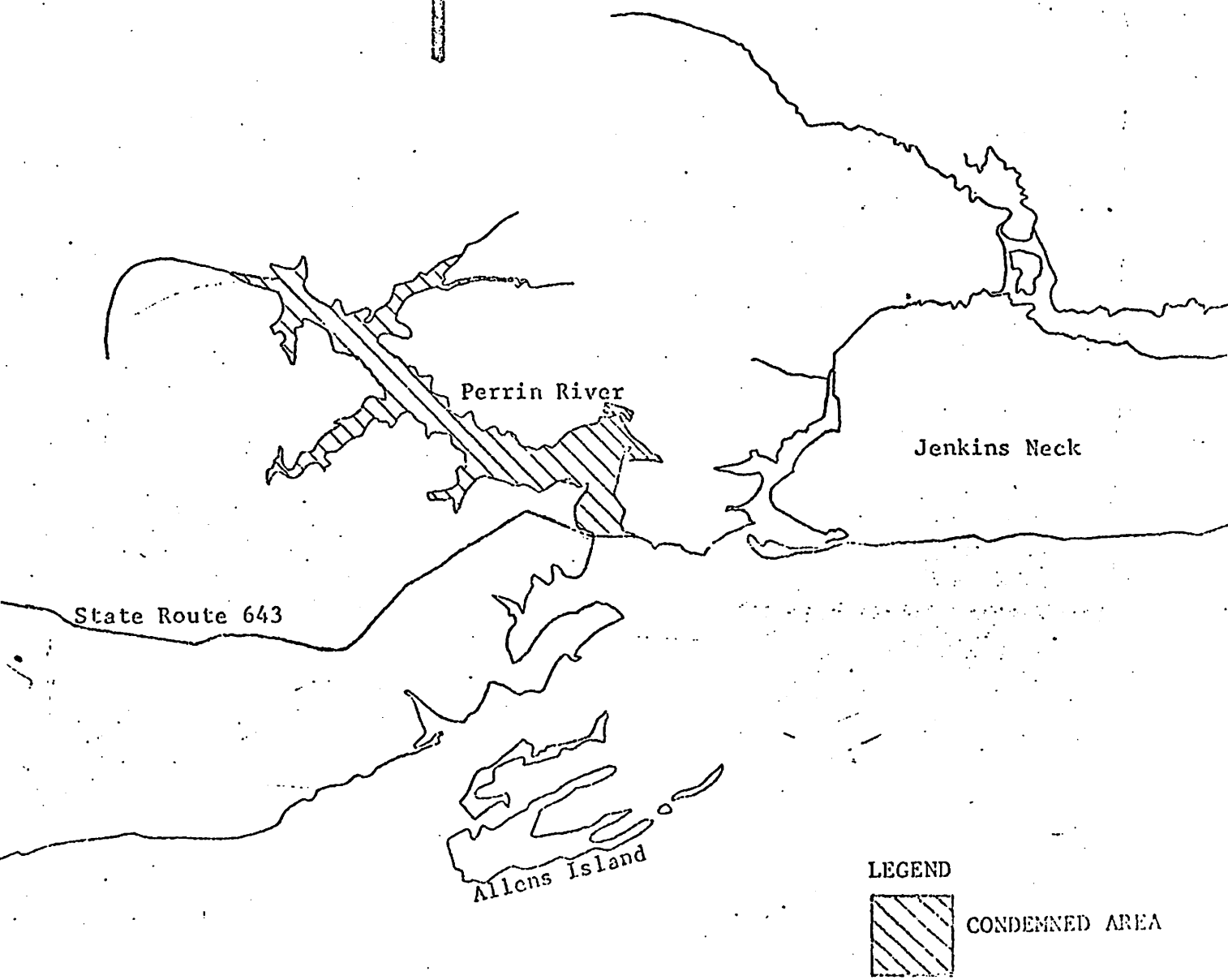
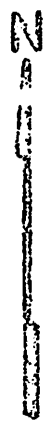
LEGEND

 CONDEMNED AREA

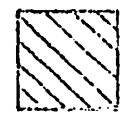


YORK RIVER





LEGEND



CONDEMNED AREA

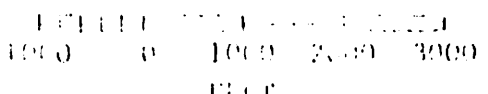
VIRGINIA STATE DEPARTMENT OF HEALTH

PERRIN RIVER

CONDEMNED SHELLFISH AREA NO. 81

10 MARCH 1972

SCALE 1:24,000



YORK RIVER

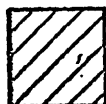
VIRGINIA STATE DEPARTMENT OF HEALTH  
YORK RIVER - NORTH SHORE: CARTER CREEK  
CONDEMNED SHELLFISH AREA NUMBER 107

31 DECEMBER 1973

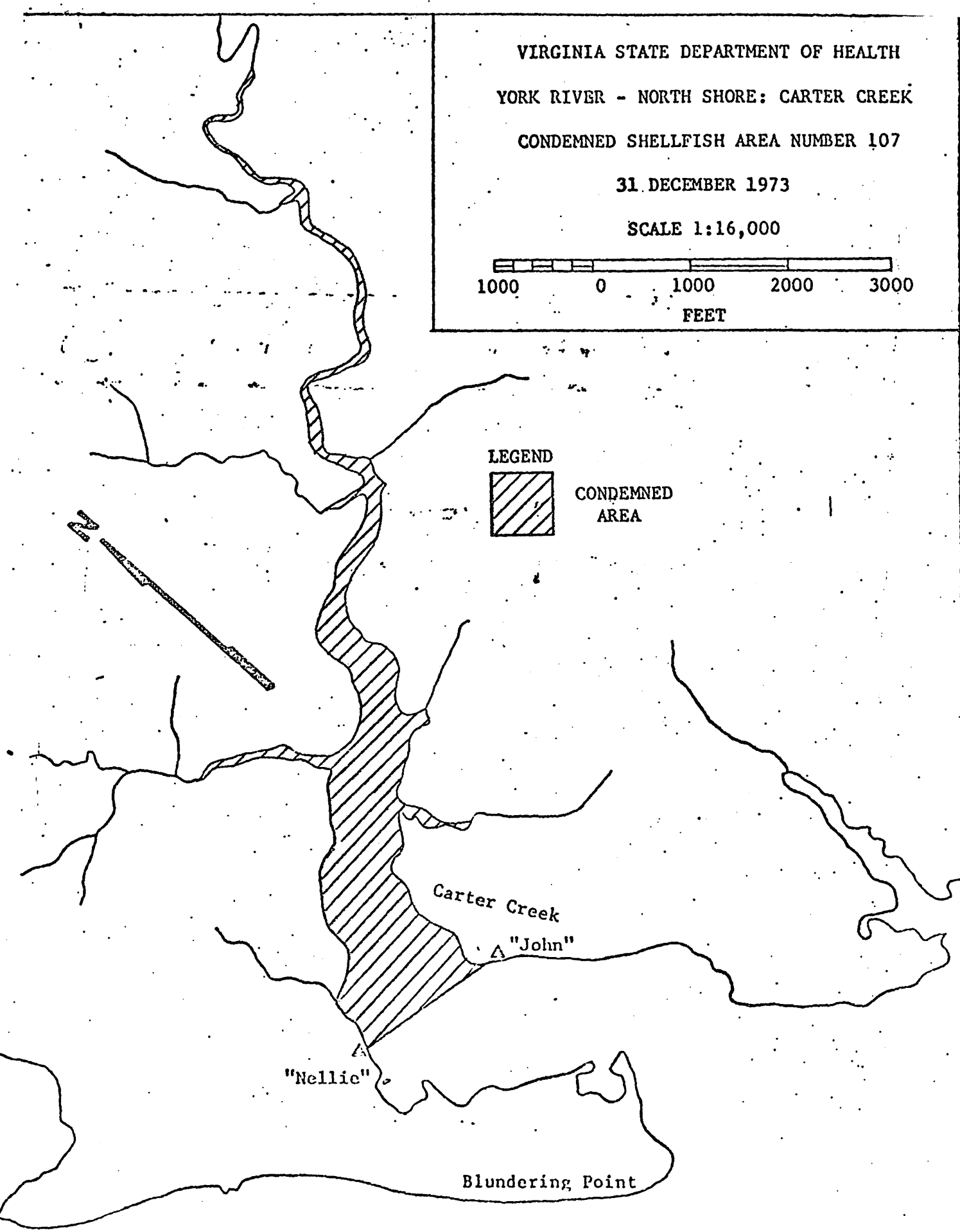
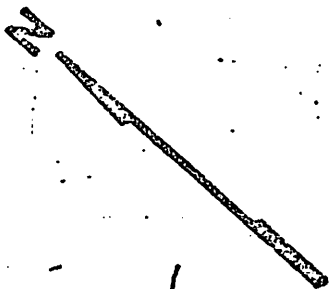
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LEGEND



CONDEMNED  
AREA



YORK RIVER

VIRGINIA STATE DEPARTMENT OF HEALTH

YORK RIVER: CEDARBUSH CREEK

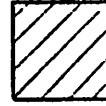
CONDEMNED SHELLFISH AREA NUMBER 108

21 APRIL 1972

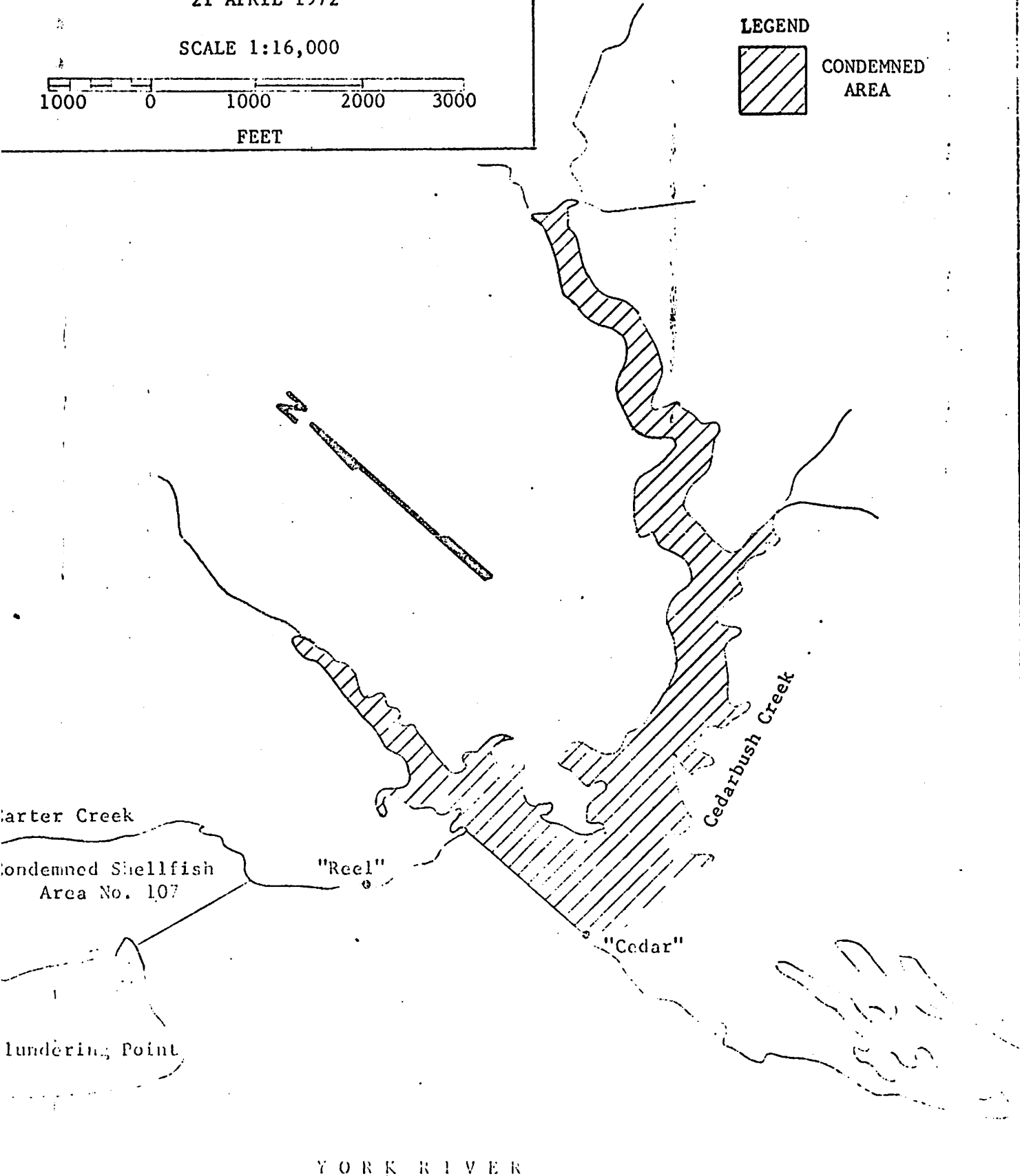
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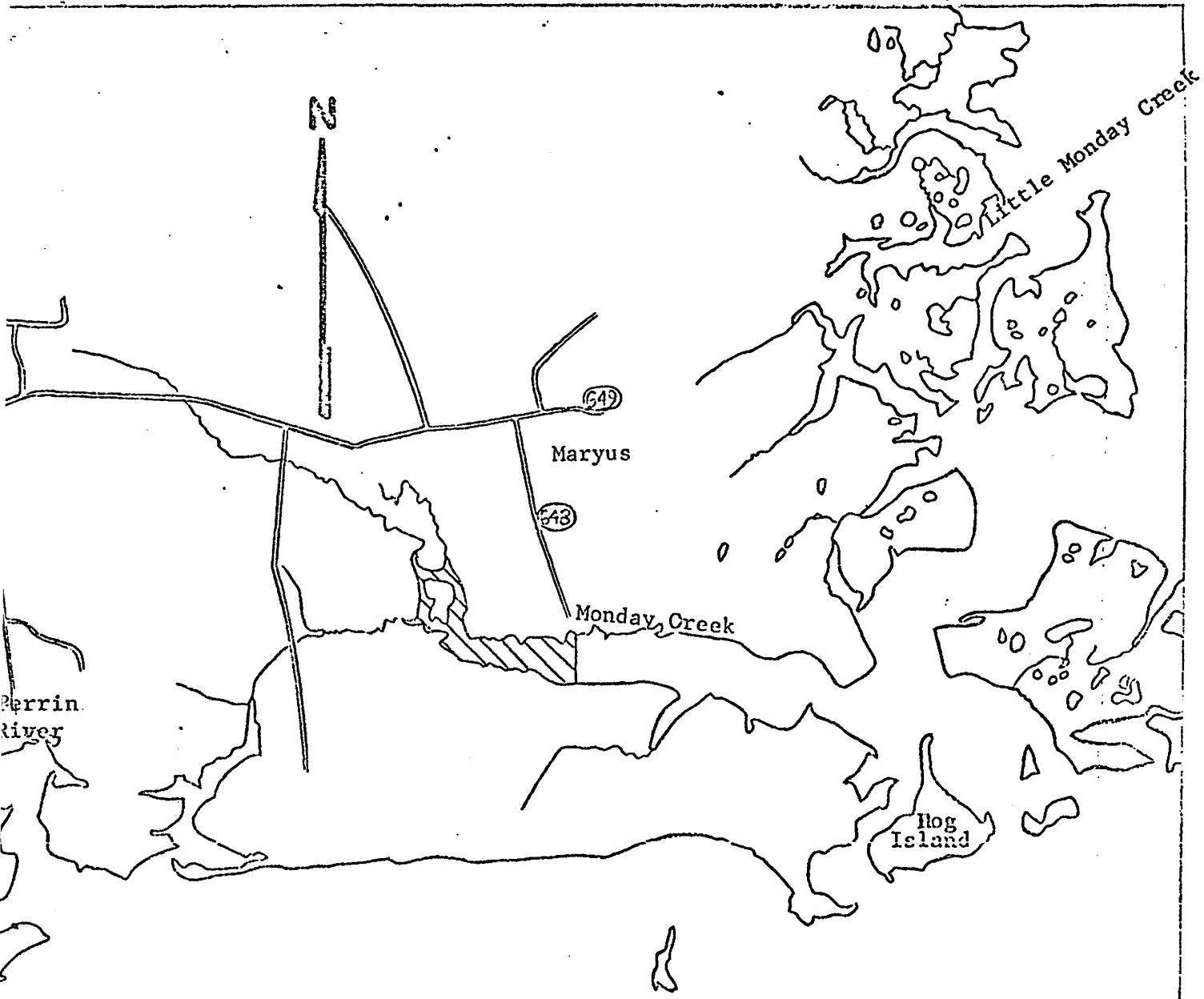
LEGEND



CONDEMNED  
AREA



YORK RIVER



YORK RIVER

Legend



Condemned Area

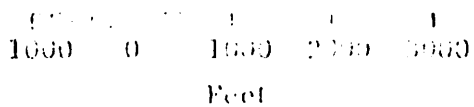
Virginia State Department of Health

Monday Creek

Condemned Shellfish Area No. 125

28 April 1972

Scale 1:24,000

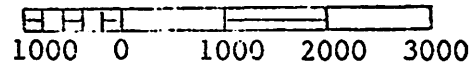


YORK RIVER: INDIAN FIELD CREEK

CONDEMNED SHELLFISH AREA NUMBER 130

1 MAY 1972

SCALE 1:24,000



FEET

LEGEND



CONDEMNED  
AREA

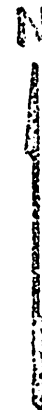
King  
Creek

YORK RIVER

Colonial National Historical Parkway

Pelegates Creek

Indian Field  
Creek



VIRGINIA STATE DEPARTMENT OF HEALTH

YORK RIVER: KING & FELGATES CREEKS

CONDEMNED SHELLFISH AREA NUMBER 134

1 MAY 1972

SCALE 1:24,000

