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MARINE RESOURCE INFORMATION

# BRELAIA INSTITUTE OF MARINE SCIENCE

#### Annual Summary for 1970

OYSTER SPATFALL ON SHELLSTRINGS IN VIRGINIA RIVERS NOVEMBER 1970

The Applied Biology Department in the VIMS Division of Applied Marine Science and Ocean Engineering conducts weekly surveys of oyster "setting" in Virginia rivers from the end of May through early October each year. Starting at the mouth of each river and proceeding upstream to the limits of oyster setting, the collecting areas are established on public and private beds. Spat counts are obtained from oyster shells strung on wire and suspended from stakes. The number of spat which set in one week on the smooth side of each shell on the string are tabulated.

Using the numbers of spat counted on shells during each week of the spawning season, it is possible to estimate the potential of a particular area for receiving a "strike" or set of oysters, and the weeks when the strike occurs. This information is useful because shells planted just before the period of maximum set have the best chance of getting a good strike.

A good strike on shellstrings usually indicates that a strike has taken place on bottom shells. However, a good strike on shellstrings in some locations may not be accompanied by good spatfall on the rock. One reason for such a failure is that bottom shells can become so fouled by other marine life (much of which cannot even be detected with the naked eye) that no room is left for small spat to attach. Even with a reasonable spatfall, survival may be extremely low due to predators such as serewborers in the saltier waters which kill many small oysters soon after attachment.

The following study is for spatfall on shellstrings only. To provide information on the actual situation on the rocks, a companion survey of spatfall on bottoms will be issued in January 1971. This will help in determining the success of this year's strike on bottom shells and can be compared to the information presented in the following summary.

JAMES RIVER - Peak setting occured in the James River during August, with a sharp maximum at all stations during the week of August 3 to 11. Set during all other months was very light. The pattern of set in 1970 in the James differed from that in 1969 when there were two peaks in setting: One during mid-July and the second in mid-September.

The 1970 shellstring strike during peak setting ranged from 0.6 to 11.1 spat per shell per week. By past standards, this is rated as fair. In 1970, however, it resulted in a much better than average strike on bottom cultch

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at Deep Water Shoals, Horse Head and Point of Shoals.Little, if any, seem to have struck at Wreck Shoals and at other stations on the north side of the James. The reason for this is unknown.

NANSEMOND RIVER - The set on strings in the Nansemond River was light to moderate and was greater at all three stations this year than during 1969. Setting began in mid-July with a peak in mid-August and then tapered off through late September.

YORK RIVER - In the York River at Foxes Creek and Clay Bank the set on strings was poor. Numbers counted were essentially the same as those recorded in 1969. At Gloucester Point in the lower river, numbers setting on shellstrings were considerably higher than for 1969. It was a late strike. None were recorded for June and July, and the peak occured during mid-August with some strike recorded as late as mid-October.

PIANKATANK - GWYNN ISLAND - There was no strike during June 1970, but a moderate to heavy set on shellstrings began the first week in July. Peak setting occured during the first two weeks of July in the vicinity of Gwynn Island and the lower and middle Piankatank, and about a week or two later in the upper river. After July, set diminished quickly, but a light set continued at about equal intensity at all stations through October 7.

In general, results in 1970 differed sharply from those which occured in 1969 in the following ways:

- 1) Set on shellstrings was much heavier than in 1969 at comparable stations.
- 2) In 1969 there was only a very light set after August; in contrast, during 1970 a light but persistant strike occured in all stations throughout September.

#### MOBJACK BAY AREA

North River - In the lower part of the North River, the set on shellstrings extended from mid-June into October. However, numbers attaching were small and there was no peak set. Conditions differed in the upper river where there was a sharp peak of heavy set during mid-July.

East River - The East River showed a widely varying setting pattern. At the station located just off the entrance to the river there was no strike during June and July. The set began gradually the first week in August and reached a peak of 10.9 spat per shell by mid-August, then gradually declined through the first week in October. Up the East River, the seasonal pattern of setting differed. The strike began in mid-June and extended into October. The station furthest up river received its peak strike during the first week in July while the two stations in the mid-portion received their peak set in August.

RAPPAHANNOCK RIVER - A light strike occured in the vicinity of Grey's Point Bridge over the period from July 1 through mid-September. Vol. 2 No. 15 November 20, 1970

#### NEW POINT COMFORT AREA

Winter Harbor - Setting began July 1 at both stations and extended into October. The peak of setting occured at station 10 during late August with a heavy set occuring the last week in August. Station 10a, further up the estuary, received only a light set during the same period.

Horn Harbor - No strike occured prior to July 1; however a light set occured from about July 1 through October 15 with indications of a small peak in strike during mid-August.

Pepper Creek - A light set occured over most of the season from mid-June through mid-October. Within this period there was a single sharp peak of heavy set during late August when set reached 21.7 spat per shell per week.

Dyer Creek - No set occured prior to July 1. Thereafter, set was light but continuous through 15 October.

GREAT WICOMICO RIVER - The strike in the Great Wicomico River began in mid-June and quickly reached a peak at all stations the last week in June. In general the set on shellstrings was heaviest up river. After the peak set there was an abrupt decline in attachment, but a few spat continued to attach through September.

The 1970 set on strings differed from that in 1969 in the following ways:

1) Peak setting was a week earlier in 1970 than in 1969.

- 2) Numbers attaching was much greater in 1970 than in 1969.
- 3) In 1969 few if any spat attached after August 4. In contrast, a
  - light strike continued through September in 1970.

Spat per shell indicates the average number of spat on the smooth side of a shell. The key below, ranging from "Poor" to "Good", is used with the following summary tables.

SPAT PER SHELL

O TO I SPAT PER SHIELL = POOR SET 2 TO IO SPAT PER SHIELL = FAIR SET 11 TO 100 SPAT PER SHELL = GOOD SET



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#### Piankatank River and Gwynn Island continued

	Three Branches	Iron Point	Island Bar
	Station #4	Station #5	Station #6
	Total Spat/shell	Total Spat/shell	Total Spat/shell
June 4-16 June 23-30 June 30-July 7 July 7-14 July 14-21 July 21-28 July 28-Aug. 4 Aug. 4-12 Aug. 12-18 Aug. 12-18 Aug. 12-5 Aug. 25-Sept. 2 Sept. 2-9 Sept. 9-16 Sept. 16-23 Sept. 30-Oct. 7	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0 0 0 0 0 0 131 13.1 172 17.2 4 0.4 28 2.8 1 0.1 4 0.4 3 0.3 2 0.2 2 0.2 Lost Lost Lost Lost 6 0.6 2 0.2 2 0.2
	Ginney Point	Twigg Branch	Ferry Point
	Station #7	Station #8	Station #9
	Total Spat/shell	Total Spat/shell	Total Spat/shell
June 4-16 June 16-23 June 23-30 June 30-July 7 July 7-14 July 14-21 July 21-28 July 28-Aug. 4 Aug. 4-12 Aug. 12-18 Aug. 12-18 Aug. 12-25 Aug. 25-Sept. 2 Sept. 2-9 Sept. 9-16 Sept. 16-23 Sept. 23-30 Sept. 30-Oct. 7	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0   0     0   0     0   0     70   7.0     63   6.3     Lost   Lost     239   23.9     0   0     0   0     1   0.1     19   1.9     2   0.2     5   0.5     0   0     0   0     0   0     0   0

		Stati	s Bay on #10 Spat/shell		Point on #11 Spat/shell	 :	
	June 4-16	0	0	Lost	Lost		 s.
÷	June 16-23	0	0	Lost	Lost		
	June 23-30	0	0	Lost	Lost		
	June 30-July 7	28	2.8	17	1.7		
	July 7-14	0	0	73	7.3		
	July 14-21	2	0.2	26	2.6		
	July 21-28	2	0.2	14	1.4		
	July 28-Aug. 4	1	0.1	18	1.8		
	July 20-Aug. 4	ñ	0	17	1.7		
	Aug. 4-12	0	0.8	3	0.3		
	Aug. 12-18	0	0	3	0.3		
	Aug. 18-25	. U	05	7	0.7		
	Aug. 25-Sept. 2	5	0.4	6	0.6		
	Sept. 2-9	4	0.4	ŏ	0.2	χ.	
	Sept. 9-16		0.7	÷ .	0.2		
	Sept. 16-23	U	0 7	2 E	0.5		
	Sept. 23-30	3	. 0.3	2	0.5		
	Sept. 30-Oct. 7	1	0.1	5	0.5	•	
	-						

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Piankatank River and Gwynn Island continued

		ts Creek Spat/shell
May 25-June 11 June 11-18 June 18-25 June 25-July 2 July 2-9 July 9-16 July 16-23 July 23-30 July 30-Aug. 6 Aug. 6-13 Aug. 13-20 Aug. 20-27 Aug. 27-Sept. 3 Sept. 3-10 Sept. 10-17 Sept. 10-17 Sept. 17-24 Sept. 24-Oct. 1 Oct. 1-8	0 3 0 2 38 0 3 1 23 8 5 5 5 8 0 0 1 5	0 .3 0 0.2 3.8 0 0.3 0.1 2.3 0.8 0.5 0.5 5.8 0 0 0.1 0.5
Oct. 8-15	0	0

#### Rappahannock River--1970

			Grey's F Total	Point Bridge Spat/shell		*		House Spat/shell
July	1-8		29	2.9		10-Aug. 6	• 0	0
July	8-15		0	0	Aug.	6-Sept. 21	Lost	Lost
July	15-22		0	0				
	22-29		6	0.6				
	29-Aug.	5	0	0				
	5-12		7	0.7				
	12-19		1	0.1			Bow	ler's Rock
	19-26		2	0.2			Total	Spat/shell
	26-Sept.	2	Lost	Lost				
Sept			4	•4	July	10-Aug. 6	0	0
	9-16		2	0.2		6-Sept. 21	0	0
	16-22		3	0.3	5	-	ι.	

#### Mobjack Bay--1970

		River Head tion #1 Spat/shell	×	Black Sta	th River Water Creek tion #2 Spat/shell	Ceda Stat	h River r Point ion #3 Spat/she	1-1
May 25-June 11 June 11-18 June 18-25 June 25-July 2 July 2-9 July 9-16 July 16-23 July 23-30 July 30-Aug. 6 Aug. 6-13 Aug. 13-20 Aug. 27-Sept. 3 Sept. 3-10 Sept. 10-17 Sept. 17-24 Sept. 24-Oct. 1 Oct. 1-Oct. 8 Oct. 8-15	0 99 82 0 381 5 22 0 35 0 35 0 1 4 0 Lost 1 0	0 9.9 8.2 0 38.1 0.5 2.2 0 3.5 0 0.1 0.1 0.4 0 0 Lost 0.1 0		0 0 14 0 0 0 3 0 0 0 4 1 0 0 0 0 0 0 1 0 0 0	0 0 1.4 0 0 0 0.3 0 0 0.4 0.1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 2 0 0 2 1 0 0 1 2 1 0 0 2 1 0 0 2 1 0 0 2 2 1 0 0 2 2 1 0 0 0 2 2 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	

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#### Mobjack Bay continued

	East River Head Station #4 Yotal Spat/shell	East River Put-In Creek Station #5 <u>Total Spat/shell</u>	East River Mouth Station #6 Total Spat/shell	Williams Wharf Station #11 Total Spat/shell
May 25.June 11 June 1118 June 18-25 June 25.July 2 July 2-9 July 9-16 July 16-23 July 23-30 July 30.Aug. 6 Aug. 6-13 Aug. 1320 Aug. 20-27 Aug. 27.Sept. 3 Sept. 3-10 Sept. 10.17 Sept. 10.17 Sept. 17-24 Sept. 24-Oct. 1 Oct. 1-8 Oct. 8-15	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$

#### New Point Comfort Area -- 1970

	Pepper Creek Station 7		Dyer Creek Station 8
May 25-June 11 June 11-18 June 18-25 June 25-July 2 July 2-2 July 2-16 July 16-23 July 23-30 July 30-Aug. 6 Aug. 6-13 Aug. 13-20 Aug. 20-27 Aug. 27-Sept. 3 Sept. 3-10 Sept. 10-17	Total   Spat/shell     0   0     5   0.5     0   0     1   0.1     0   0     0   0     0   0     0   0     0   0     0   0     0   0     0   0     0   0     3   0.3     8   0.8     217   21.7     16   1.6     11   1.1     18   1.8	May 25-June 11 June 11-18 June 18-25 June 25-July 2 July 9-16 July 16-23 July 30-Aug. 6 Aug. 6-13 Aug. 13-20 Aug. 20-27 Aug. 27-Sept. 3 Sept. 3-10 Sept. 10-17	Tota1 Spat/shell 0 0 0 0 0 0 21 2.1 37 3.7 10 1.0 13 1.3 1 0.1 21 2.1 17 1.7 37 3.7 5 0.5 2 0.2
Sept. 17-24 Sept. 24-Oct. 1 Oct. 1-8 Oct. 8-15	20 2.0 8 0.8 19 1.9 1 0.1	Sept. 17-24 Sept. 24-Oct. 1 Oct. 1-8 Oct. 8-15	2 0.2 7 0.7 3 0.3 1 0.1

#### Horn Harbor

May 25-June 1100000June 11-180000June 18-250000June 25-July 20000July 2-90000July 9-160000July 23-3020.200July 30-Aug. 600121.2Aug. 6-1310.160.6Aug. 13-2020.220.2Aug. 27-Sept. 310.10Sept. 3-1080.8151.5Sept. 10-1710.110.1Sept. 17-240010.1Sept. 24-Oct. 190.910.1		Old Barge Station 9 Total Spat/shell	Mitchum Crab House Station 9a Total Spat/shell
June 11-180000June 18-250000June 25-July 20000July 2-90000July 9-160000July 9-160000July 23-3020.200July 30-Aug. 600121.2Aug. 6-1310.160.6Aug. 13-2020.220.2Aug. 27-Sept. 310.10Sept. 3-1080.8151.5Sept. 17-240010.1Sept. 24-Oct. 190.900	May 25 June 11	0 0	0 0
June $18-25$ 0000June $25$ -July2000July $2-9$ 0000July $2-9$ 0000July $9-16$ 0000July $16-23$ 40.450.5July $23-30$ 20.200July $30$ -Aug.60012July $30$ -Aug.60.220.2Aug. $6-13$ 10.160.6Aug. $12-20$ 20.220.2Aug. $27$ -Sept.310.10Sept. $3-10$ 80.8151.5Sept. $10-17$ 10.110.1Sept. $17-24$ 0010.1Sept. $24$ -Oct.190.910.1		n n	<b>O</b>
June 25-July 20000July 2-900080.8July 9-160000July 16-2340.450.5July 23-3020.200July 30-Aug. 600121.2Aug. 6-1310.160.6Aug. 13-2020.220.2Aug. 27-Sept. 310.100Sept. 3-1080.8151.5Sept. 10-1710.110.1Sept. 17-240010.1Sept. 24-Oct. 190.900		ñ ñ	0 - 1 - 1 - 0
July 2-900080.8July 9-160000July 9-160000July 16-2340.450.5July 23-3020.200July 30-Aug. 600121.2Aug. 6-1310.160.6Aug. 13-2020.220.2Aug. 20-27222.2656.5Aug. 27-Sept. 310.100Sept. 3-1080.8151.5Sept. 10-1710.110.1Sept. 17-240010.1Sept. 24-Oct. 190.900			0 0
July 9-160000July 16-2340.450.5July 23-3020.200July 30-Aug. 60121.2Aug. 6-1310.160.6Aug. 13-2020.220.2Aug. 20-27222.2656.5Aug. 27-Sept. 310.100Sept. 3-1080.8151.5Sept. 10-1710.110.1Sept. 17-240010.1Sept. 24-Oct. 190.910.1		Õ Õ	8 0.8
July 16-2340.450.5July 23-3020.200July 30-Aug. 600121.2Aug. 6-1310.160.6Aug. 13-2020.220.2Aug. 20-27222.2656.5Aug. 27-Sept. 310.10Sept. 3-1080.8151.5Sept. 10-1710.110.1Sept. 24-Oct. 190.900	July 2-9	0 0	0 0
0.19 $10.2$ $0.2$ $0$ $0$ $July$ $23-30$ $2$ $0.2$ $12$ $1.2$ $July$ $30-Aug.$ $6$ $0$ $0$ $12$ $1.2$ $Aug.$ $6-13$ $1$ $0.1$ $6$ $0.6$ $Aug.$ $13-20$ $2$ $0.2$ $2$ $0.2$ $Aug.$ $20-27$ $22$ $2.2$ $65$ $6.5$ $Aug.$ $27-Sept.$ $3$ $1$ $0.1$ $0$ $0$ $Sept.$ $3-10$ $8$ $0.8$ $15$ $1.5$ $Sept.$ $10-17$ $1$ $0.1$ $1$ $0.1$ $Sept.$ $17-24$ $0$ $0$ $1$ $0.1$ $Sept.$ $24-Oct.$ $1$ $9$ $0.9$ $1$ $0.1$		4 0 4	5. 0.5
July $23-30$ 2 $0.2$ $12$ $1.2$ July $30-Aug. 6$ 0012 $1.2$ Aug. $6-13$ 1 $0.1$ 6 $0.6$ Aug. $13-20$ 2 $0.2$ 2 $0.2$ Aug. $20-27$ 22 $2.2$ $65$ $6.5$ Aug. $27-Sept. 3$ 1 $0.1$ 0Sept. $3-10$ 8 $0.8$ 15 $1.5$ Sept. $10-17$ 1 $0.1$ 1 $0.1$ Sept. $17-24$ 001 $0.1$ Sept. $24-Oct. 1$ 9 $0.9$ 00		•	0 0
July 30-Aug. 6   0   0   0   6   0.6     Aug. 6-13   1   0.1   6   0.6     Aug. 13-20   2   0.2   2   0.2     Aug. 20-27   22   2.2   65   6.5     Aug. 27-Sept. 3   1   0.1   0   0     Sept. 3-10   8   0.8   15   1.5     Sept. 10-17   1   0.1   1   0.1     Sept. 17-24   0   0   1   0.1     Sept. 24-Oct. 1   9   0.9   0   0			•
Aug. 6-13   1   0.1   2   0.2     Aug. 13-20   2   2.2   65   6.5     Aug. 20-27   22   2.2   65   6.5     Aug. 27-Sept. 3   1   0.1   0   0     Sept. 3-10   8   0.8   15   1.5     Sept. 10-17   1   0.1   1   0.1     Sept. 17-24   0   0   1   0.1     Sept. 24-Oct. 1   9   0.9   0   0		<b>•</b>	
Aug. 13-20   2   0.1   65   6.5     Aug. 20-27   22   2.2   65   6.5     Aug. 27-Sept. 3   1   0.1   0   0     Sept. 3-10   8   0.8   15   1.5     Sept. 10-17   1   0.1   1   0.1     Sept. 17-24   0   0   1   0.1     Sept. 24-Oct. 1   9   0.9   0   0	Aug. 6-13		
Aug. 20-27   22   2.2   03   0.1     Aug. 27-Sept. 3   1   0.1   0   0     Sept. 3-10   8   0.8   15   1.5     Sept. 10-17   1   0.1   1   0.1     Sept. 17-24   0   0   1   0.1     Sept. 24-Oct. 1   9   0.9   1   0.1	Aug. 13-20	_	_
Aug. 27-Sept. 3   1   0.1   0   0     Sept. 3-10   8   0.8   15   1.5     Sept. 10-17   1   0.1   1   0.1     Sept. 17-24   0   0   1   0.1     Sept. 24-Oct. 1   9   0.9   1   0.1	Aug. 20-27		
Sept. 3-10 8 0.8 15 1.5   Sept. 10-17 1 0.1 1 0.1   Sept. 17-24 0 0 1 0.1   Sept. 24-Oct. 1 9 0.9 1 0.1	Aug. 27-Sept. 3		-
Sept. 10-17   1   0.1   1   0.1     Sept. 17-24   0   0   1   0.1     Sept. 24-Oct. 1   9   0.9   1   0.1		8 0.8	
Sept. 17-24     0     0     1     0.1       Sept. 24-Oct. 1     9     0.9     1     0.1		1 0.1	
Sept. 24-Oct. 1 9 0.9		···· 0 0	-
	Sept. 24-Oct. 1	9 0.9	
	Oct. 1-8	2 0.2	
Oct. 8-15 1 0.1 0 0			0 0

#### Winter Harbor

	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -				,
	Stat	Landing ion 10 Spat/shell	Te	C. B. Hur Station 1 Stal Spat	L0a
May 25-June 11 June 11-18 June 18-25 June 25-July 2 July 2-9 July 9-16 July 16-23 July 23-30 July 30-Aug. 6 Aug. 6-13 Aug. 13-20 Aug. 20-27 Aug. 27-Sept. 3 Sept. 3-10 Sept. 10-17 Sept. 10-17 Sept. 17-24 Sept. 24-Oct. 1 Oct. 1-8 Oct. 8-15	0 0 0 4 4 1 1 2 6 39 181 105 54 75 14 96 13 5	0 0 0 0.4 0.1 0.1 0.2 0.6 3.9 18.1 10.5 5.4 7.5 1.4 9.6 1.3 0.5	•	0 0 0 0 0 0 40 4 0 4 1 4 2 5 1 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0

#### Great Wicomico--1970

н.	Dameron East & West	Mill Creek	Cranes Creek
1919 - Полона	Station 1&2	Station 3	Station 7
1919 - Полона Полона	Total Spat/shell	Total Spat/shell	Total Spat/shell
June 1-8 June 8-15 June 15-22 June 22-29 June 22-29 June 22-July 6 July 6-13 July 13-20 July 20-27 July 27-Aug. 3 Aug. 3-10 Aug. 10-17 Aug. 17-24 Aug. 24-31 Aug. 31-Sept. 7 Sept. 7-14. Sept. 14-21 Sept. 21-28	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$

	Fleet Point Station 8	Cockrells Creek Station 9	Haynie Point Station 10
	Total Spat/shell	Total Spat/shell	Total Spat/shell
June 18 June 8-15 June 15-22 June 22-29 June 29-July 6 July 6-13 July 13-20 July 20-27 July 27-Aug. 3 Aug. 3-10 Aug. 10-17 Aug. 10-17 Aug. 10-17 Aug. 24-31 Aug. 31-Sept. 7 Sept. 7-14 Sept. 14-21 Sept. 21-28	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{ccccccc} 0 & 0 \\ 1 & 0.1 \\ 0 & 0 \\ 445 & 44.5 \\ 78 & 7.8 \\ 0 & 0 \\ 2 & 0.2 \\ 17 & 1.7 \\ 1 & 0.1 \\ 3 & 0.3 \\ 1 & 0.1 \\ 0 & 0 \\ 0 & 0 \\ 2 & 0.2 \end{array}$	5   0.5     40   4     91   9.1     2833   283.3     1125   112.5     121   12.1     0   0     29   2.9     6   0.6     19   1.9     3   0.3     311   1.1     1   0.1

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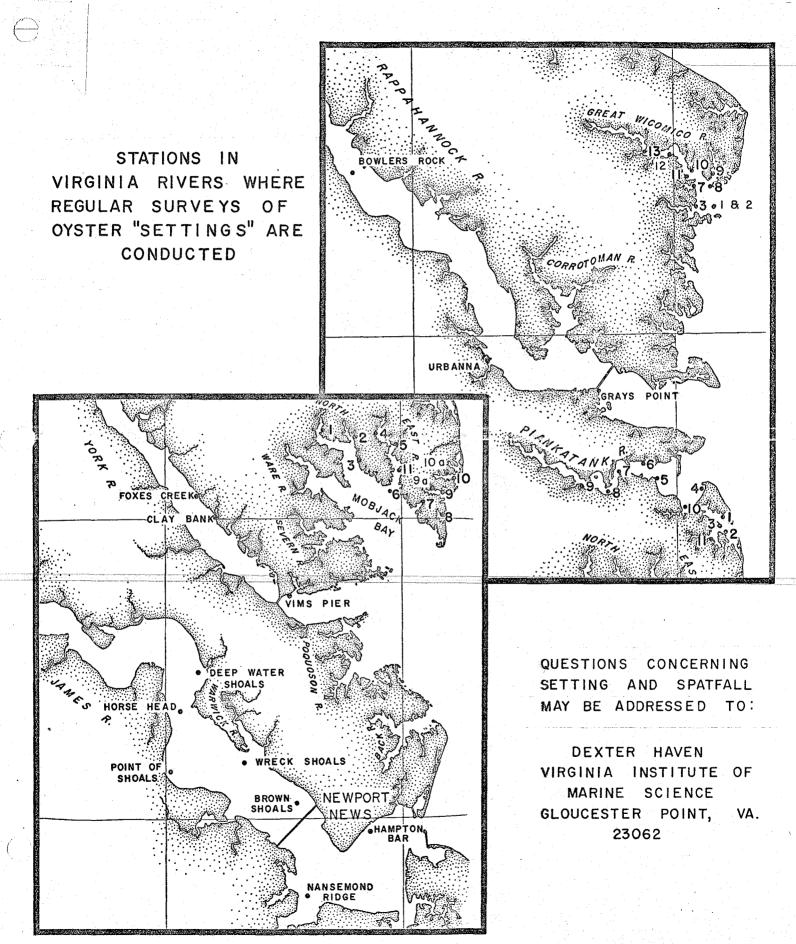
#### Great Wicomico continued

	Shell Creek Station ll	Hudnall Rock Station 12	Glebe Point Station 13
	Total Spat/shell	Total Spat/shell	Total Spat/shell
June 1-8	1 0.1	8 0.8	0 0
June 8-15	73 7.3	44 4.4	18 1.8
June 15-22	427 42.7	3 0.3	310 31.0
June 22-29	2902 290.2	3735 373.5	2278 227.8
June 29-July 6	572 57.2	1163 116.3	5307 530.7
July 6-13	438 43.8	46 4.6	277 27.7
July 13-20	25 2.5	1 0.1	16 1.6
uly 20-27	42 4.2	34 3.4	98 9.8
July 27-Aug. 3	39 3.9	44 4.4	Lost Lost
lug. 3-10	18 1.8	10 1.0	12 1.2
ug. 10-17	2 0.2	12 1.2	14 1.4
ug. 17-24	1 0.1	0 0	8 0.8
ug. 24-31	Lost Lost	2 0.2	1 0.1
lug. 31-Sept. 7	Lost Lost	7 0.7	4.4
Sept. 7-14		3 0.3	2 0.2
Sept. 14-21		2 0.2	0 0
Sept. 21-28		22 2.2	0 0

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