

Shellfish Management Advisory Committee Meeting

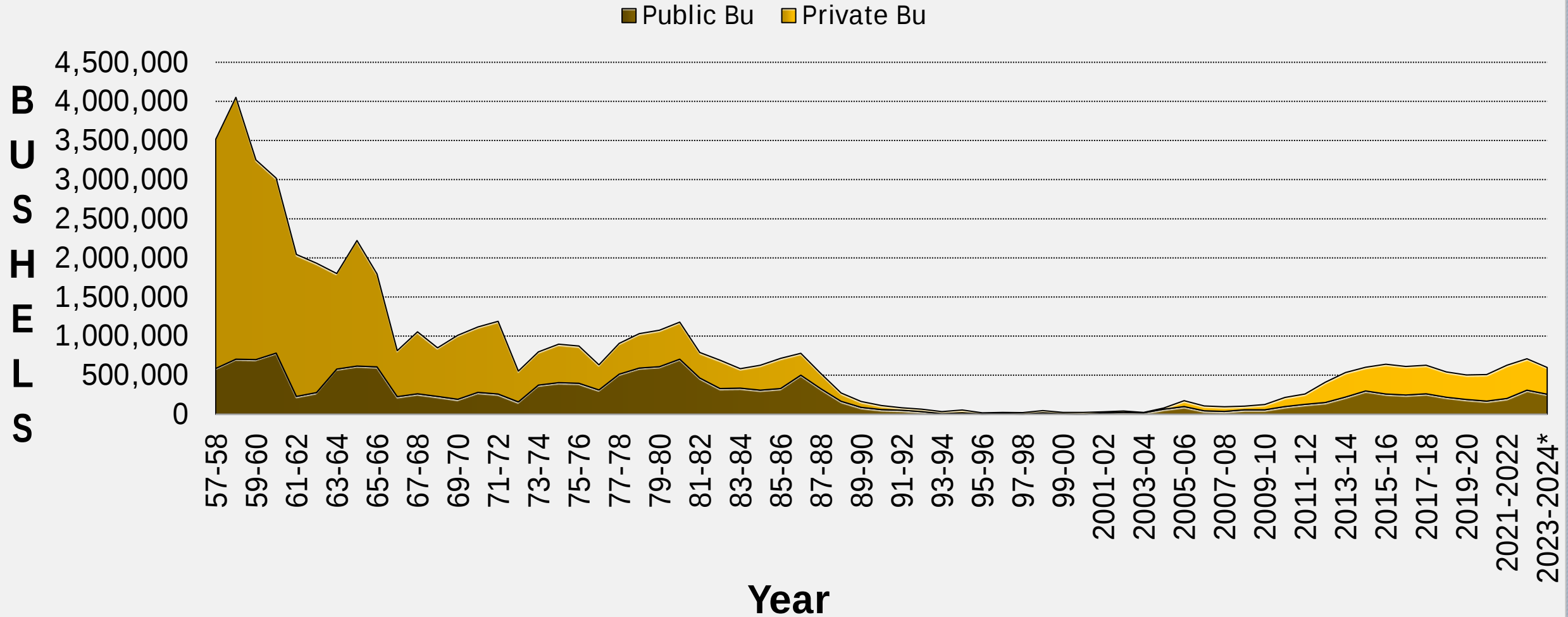




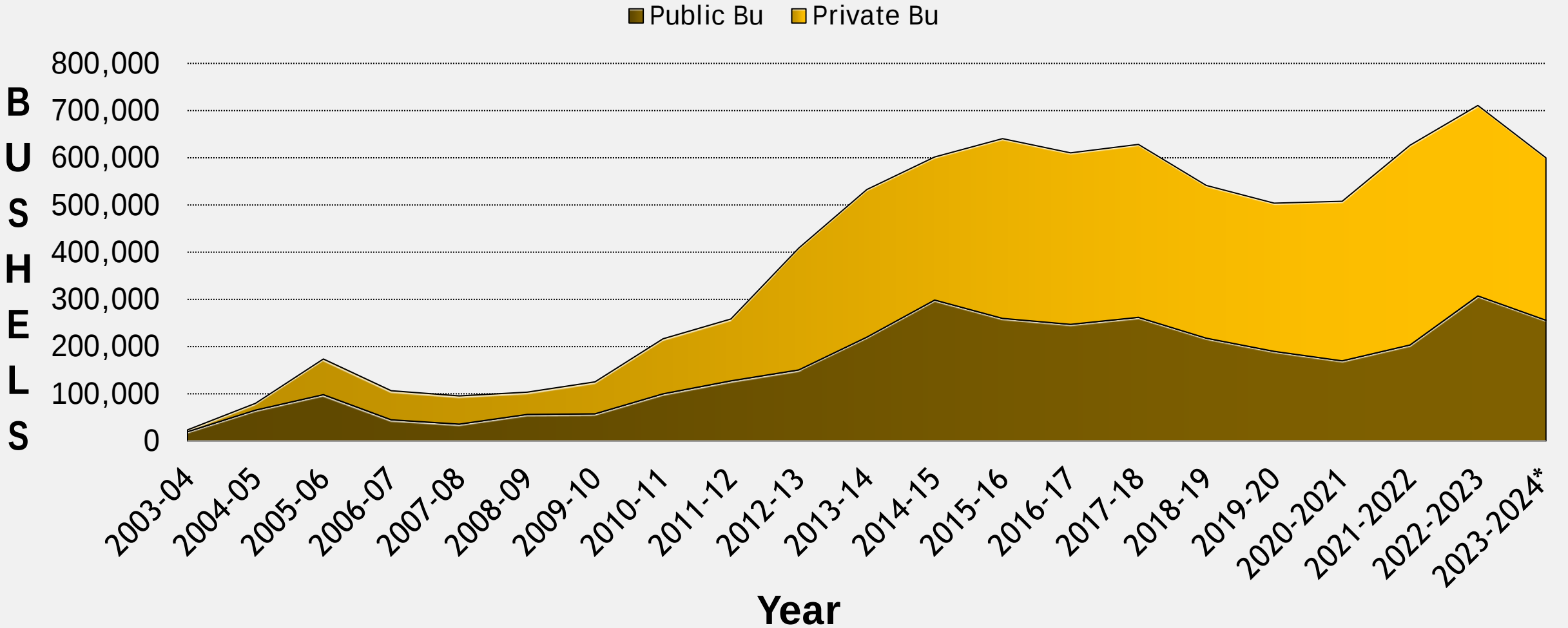
<https://gis.mrc.virginia.gov/mapviewer/>

<https://cmap22.vims.edu/VOSARA/>

PUBLIC VS PRIVATE OYSTER HARVEST



PUBLIC VS PRIVATE OYSTER HARVEST





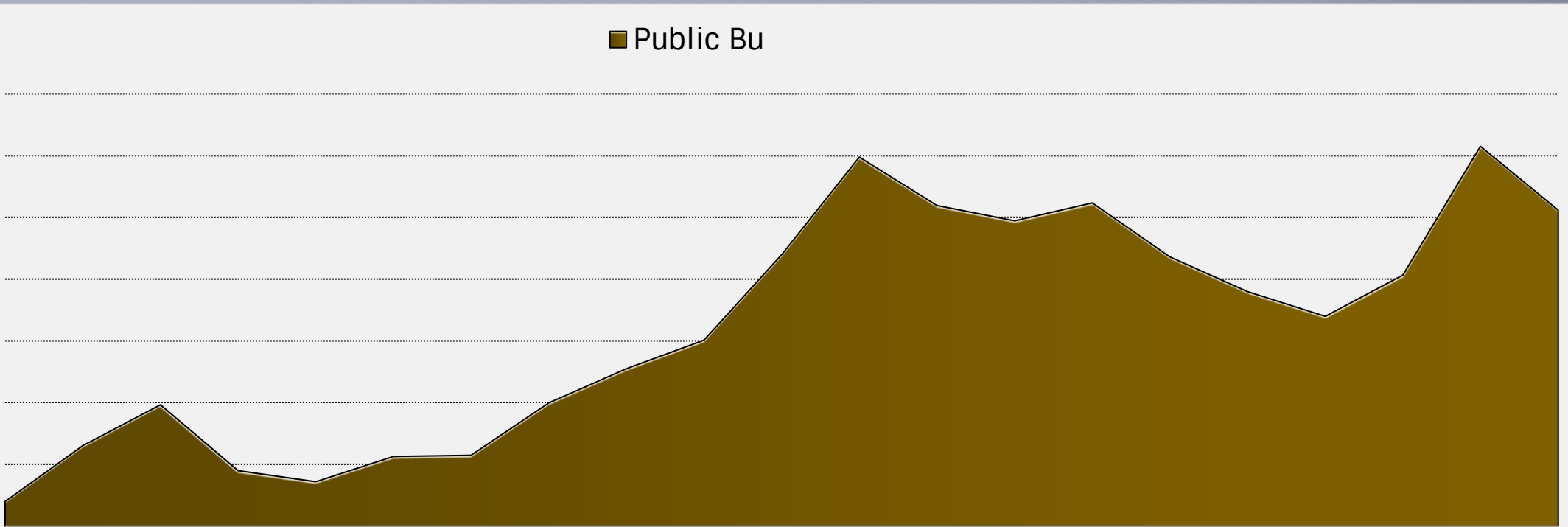
B
U
S
H
E
L
S

Public Bu

350,000
300,000
250,000
200,000
150,000
100,000
50,000
0

2003-04
2004-05
2005-06
2006-07
2007-08
2008-09
2009-10
2010-11
2011-12
2012-13
2013-14
2014-15
2015-16
2016-17
2017-18
2018-19
2019-20
2020-2021
2021-2022
2022-2023
2023-2024*

Year



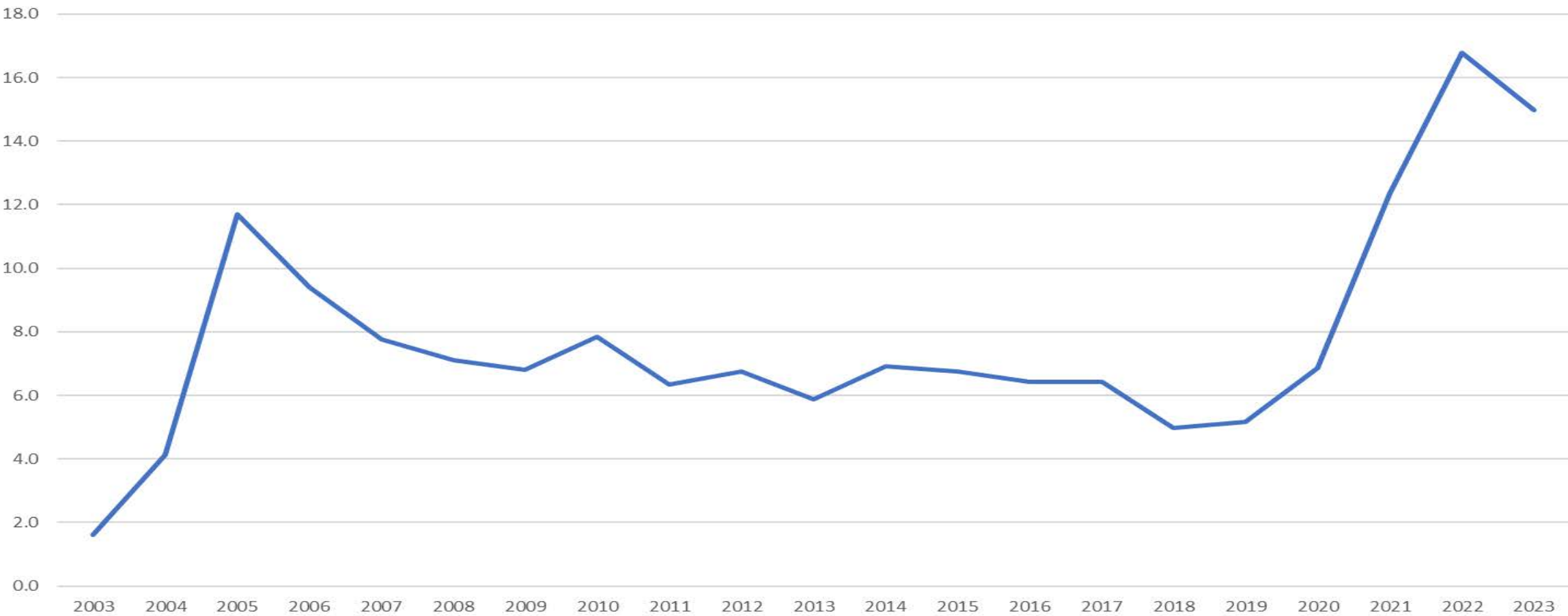
BAY WIDE MARKET OYSTER DENSITY



River_name ▾ Sample_Category ▾ Full_station_name ▾

Average of Market

Total

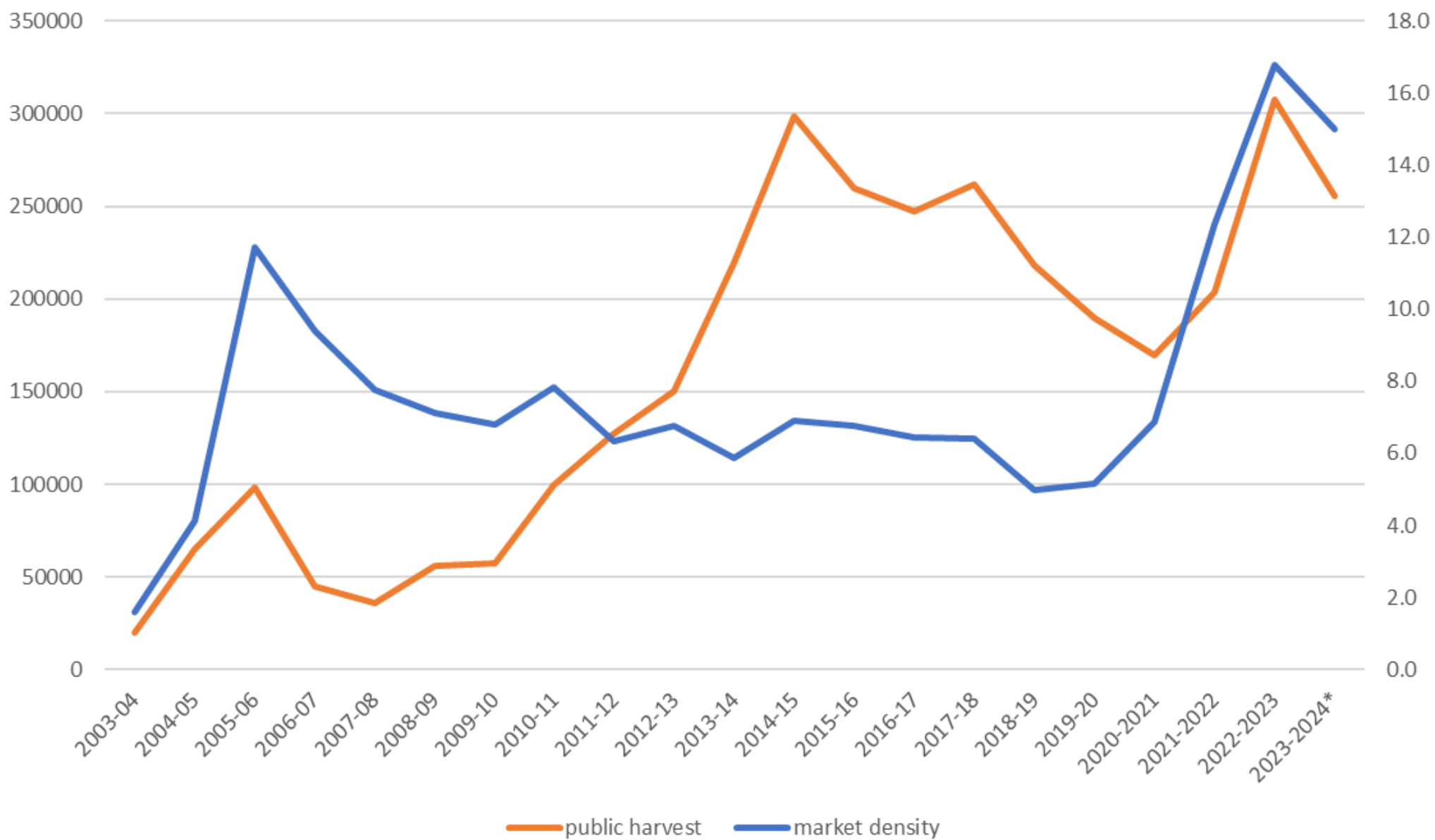


— Total

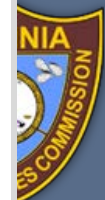
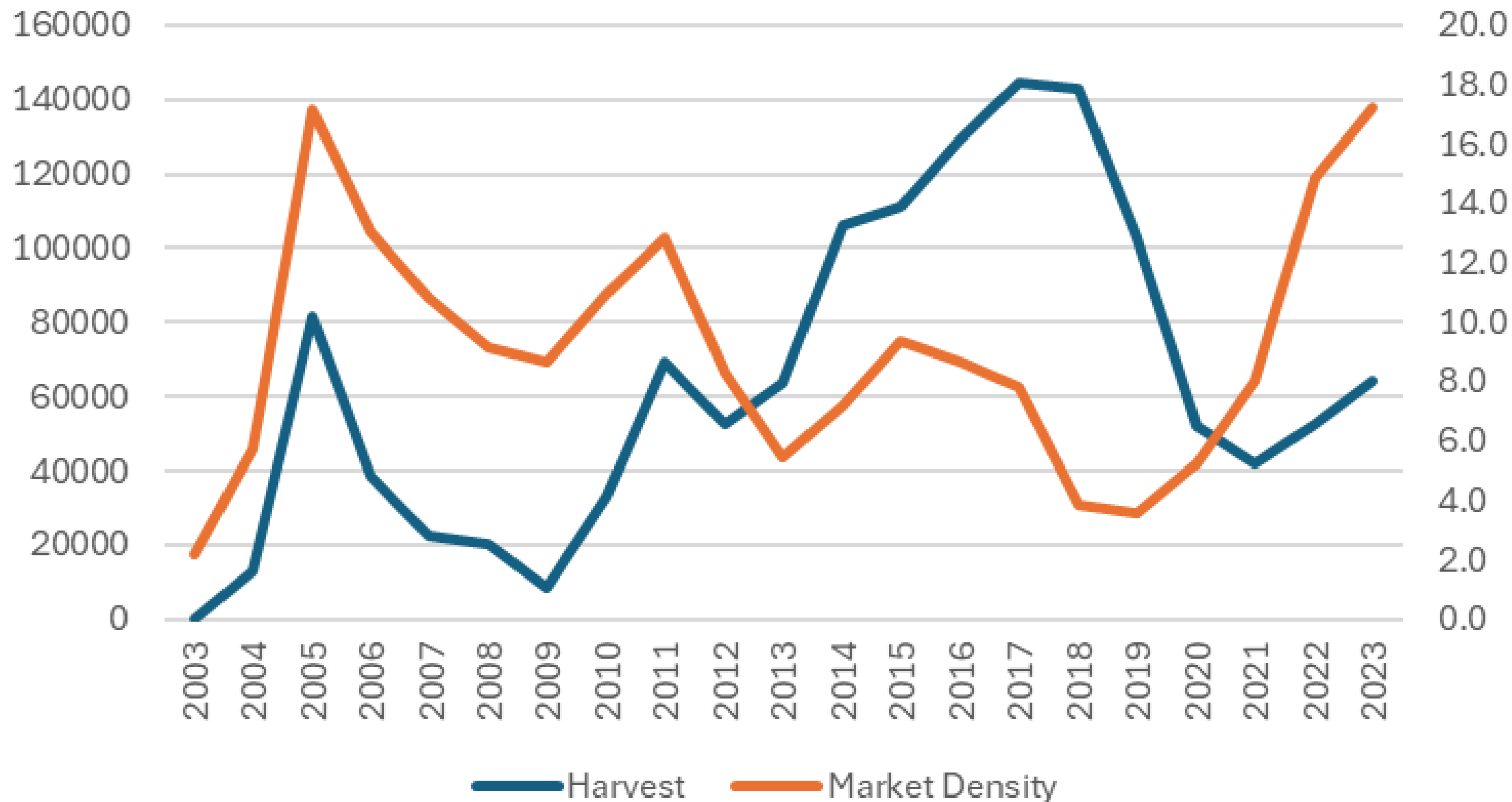
Year ▾



Public Harvest and Market Density



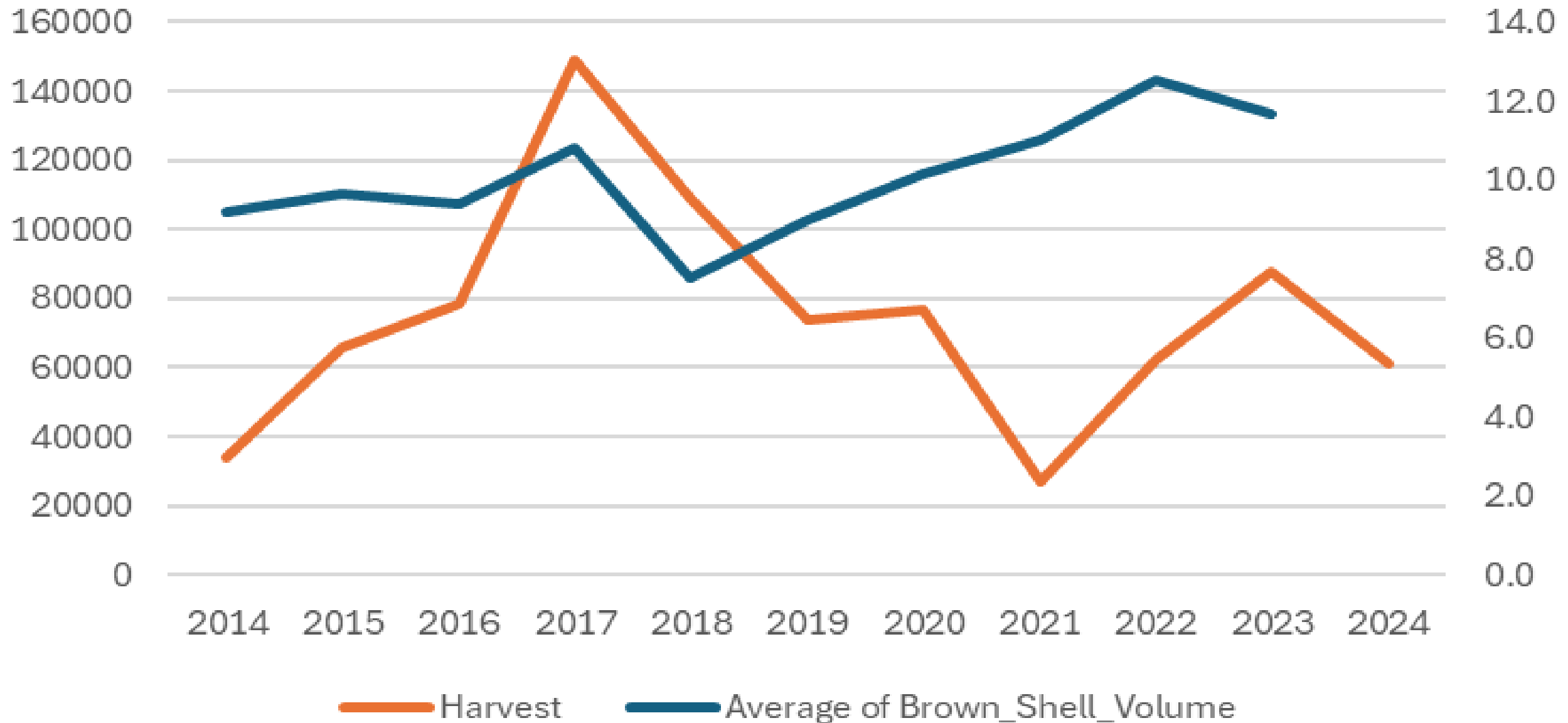
James



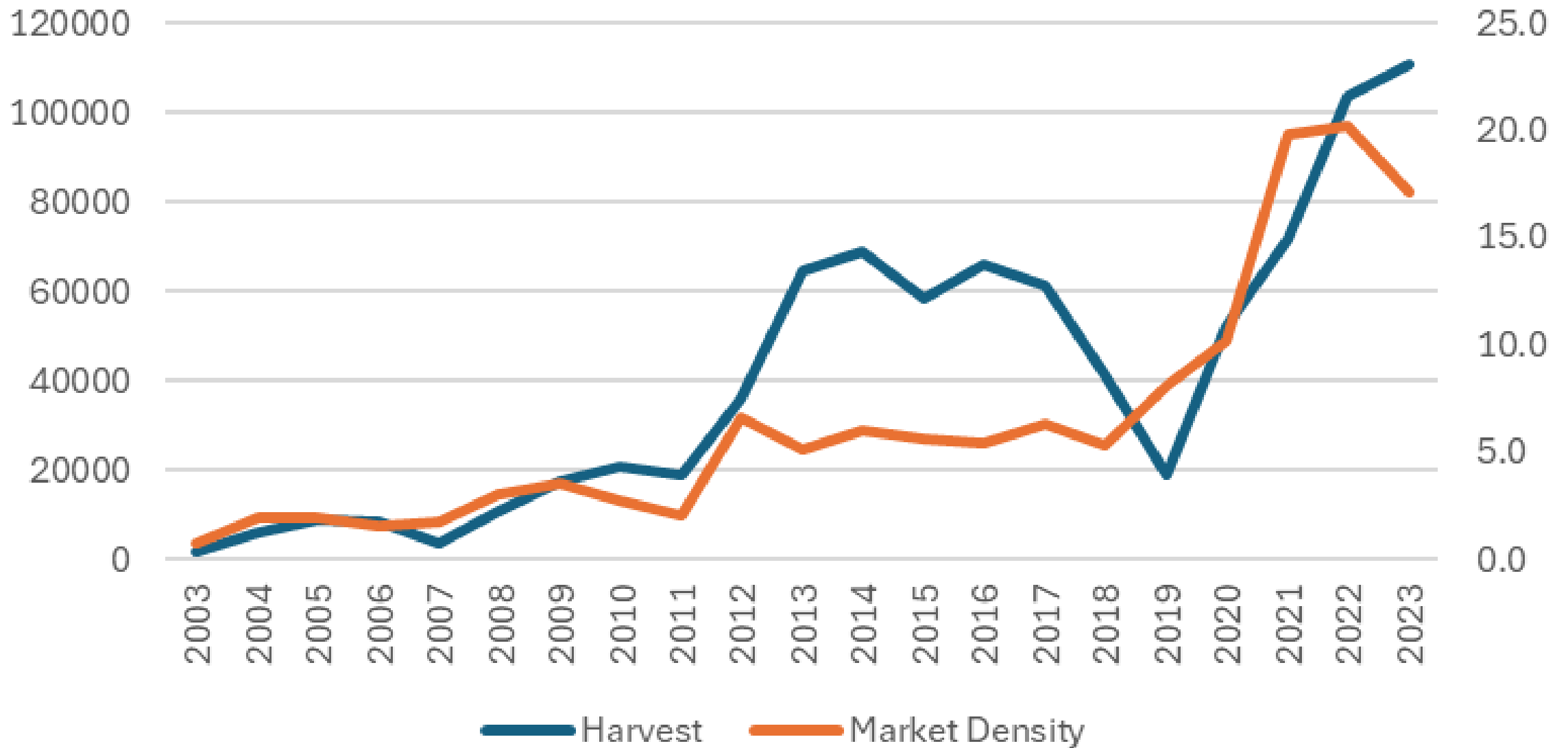
James River Seed Harvest



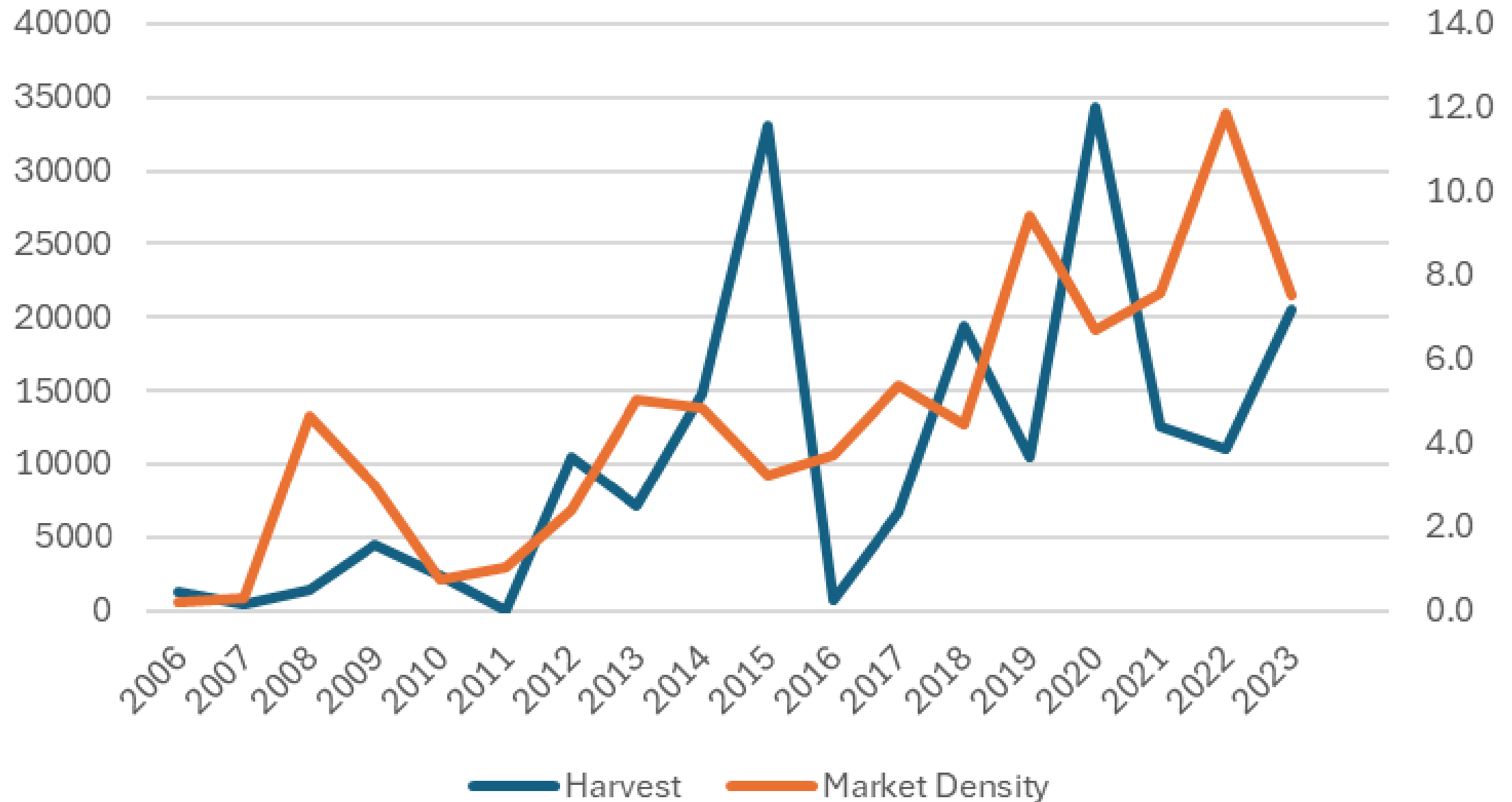
James River Seed Areas



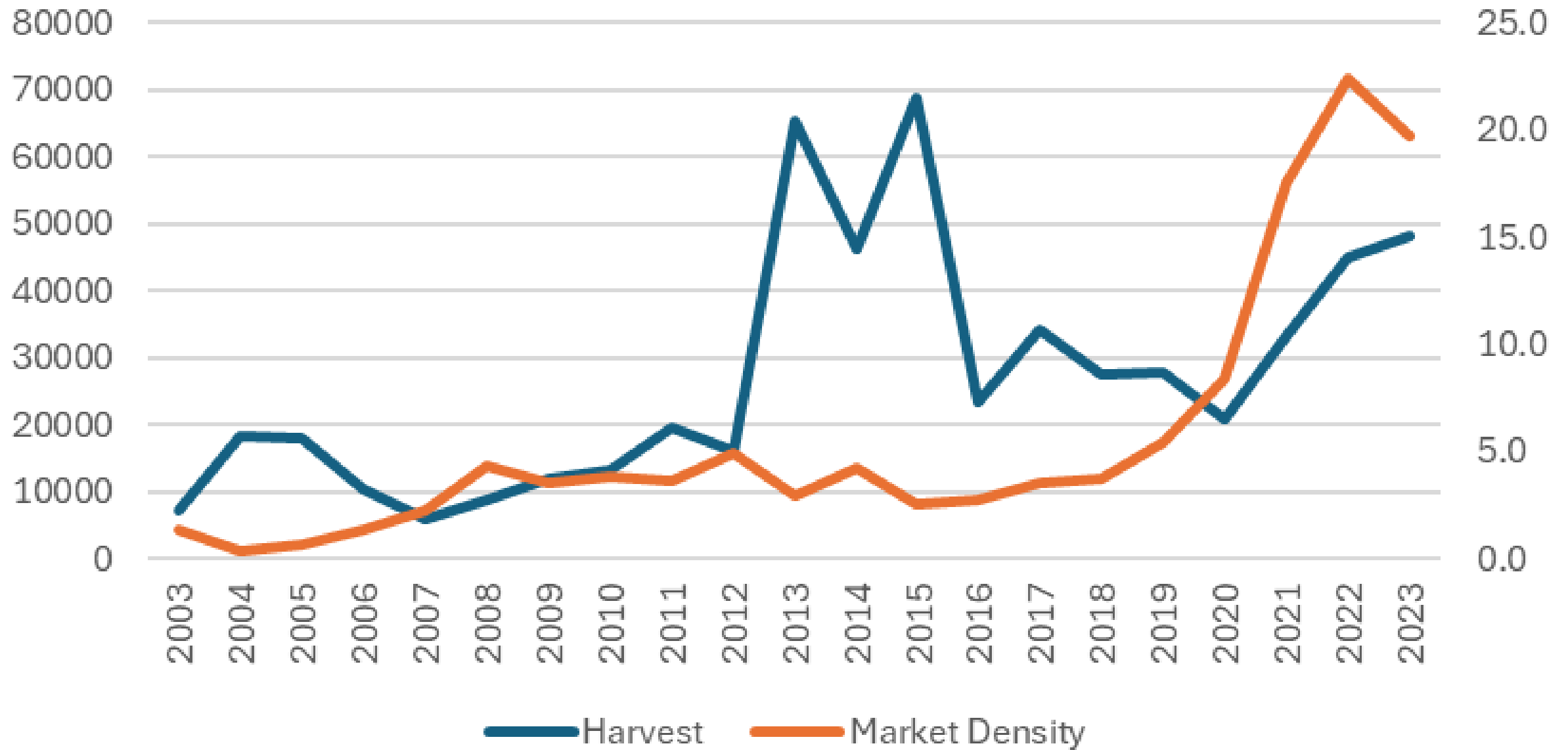
Rappahannock



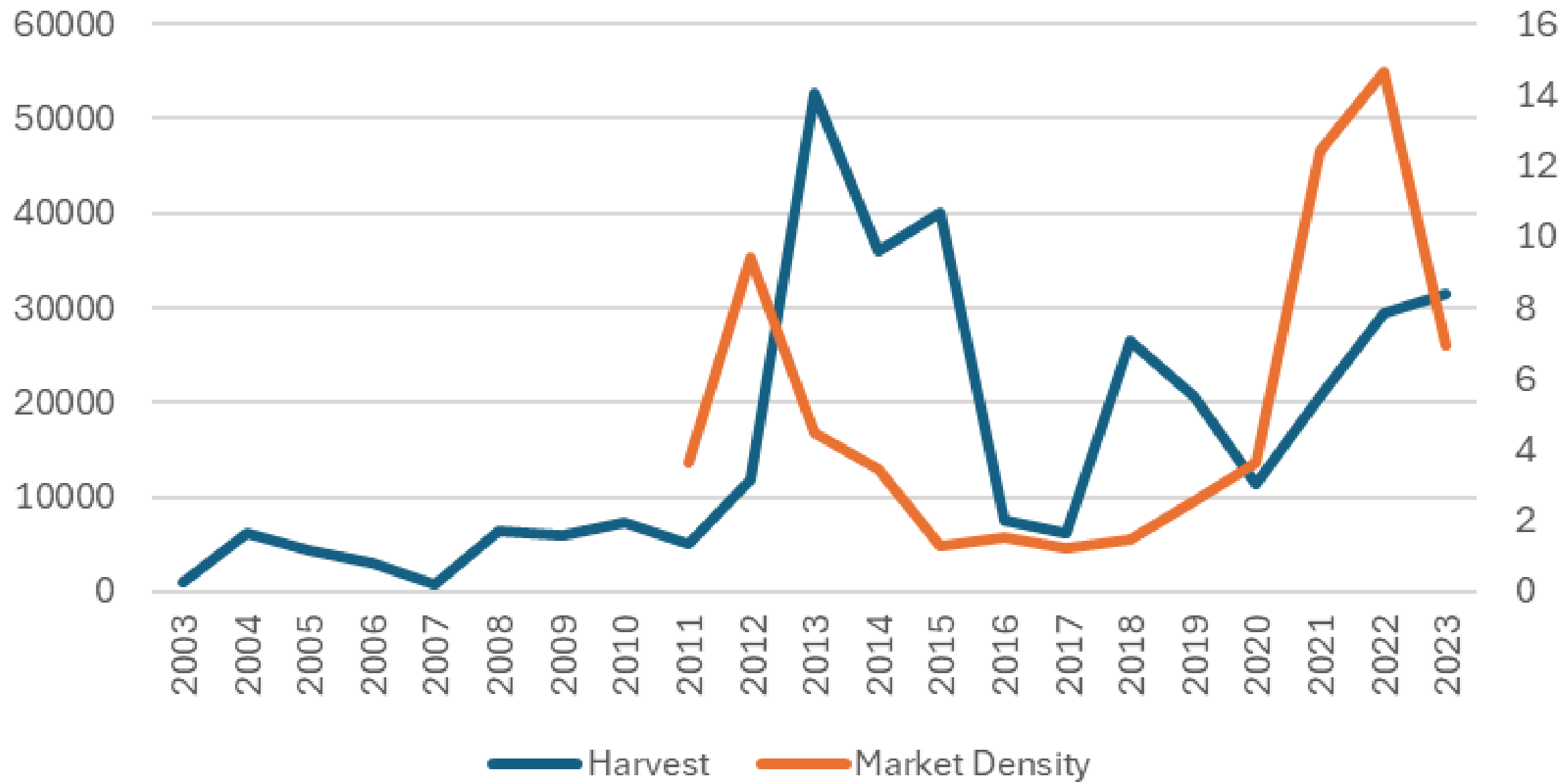
York and Mobjack



Tangier



Pocomoke



Great Wicomico

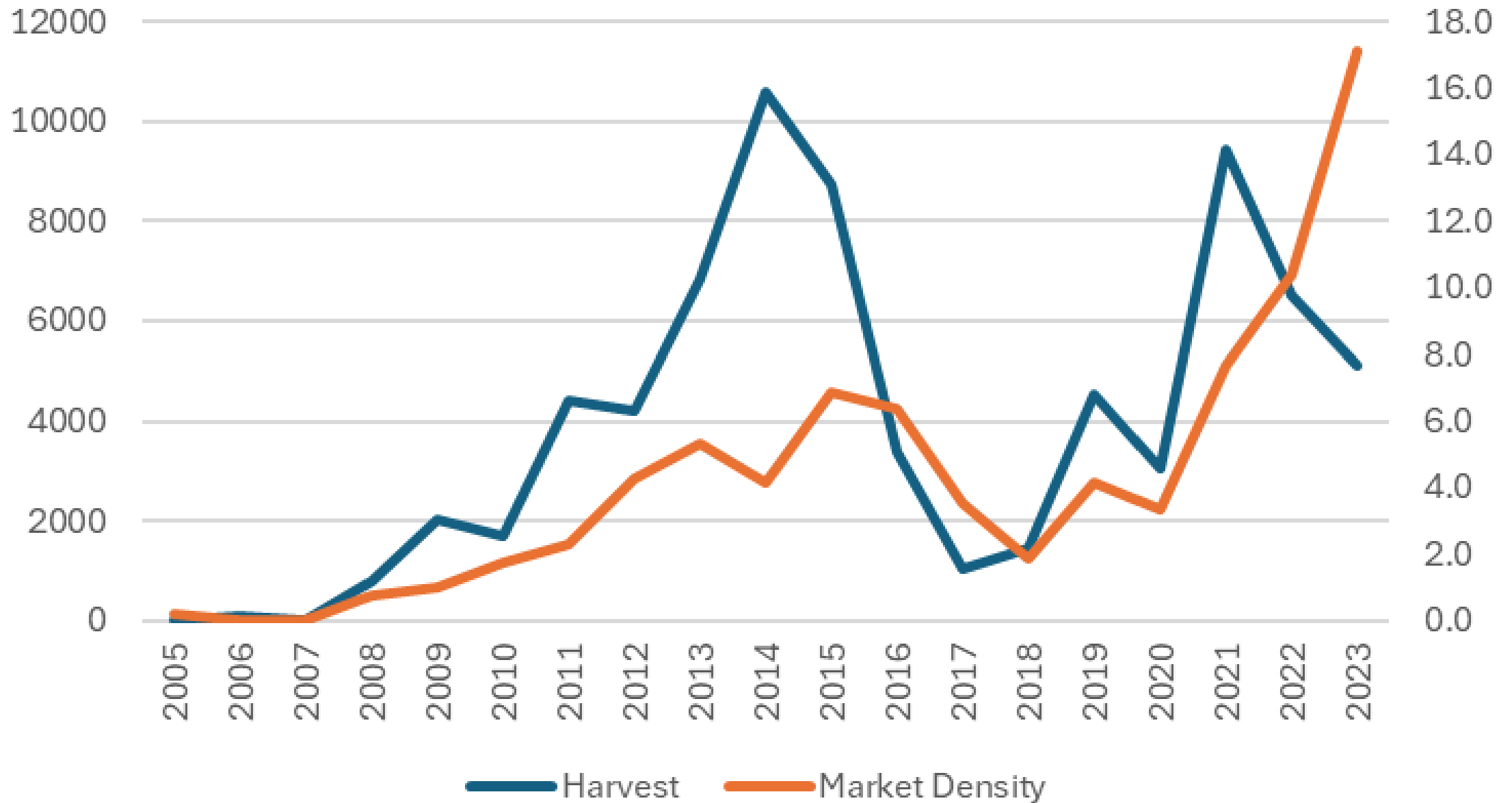


Table S1: Average number of spat shell⁻¹ for standardized week beginning on the date shown. "D" indicates the date deployed and "-" denotes a week when a shellstring was not collected.

STATION	5/20 140	5/27 147	6/3 154	6/10 161	6/17 168	6/24 175	7/1 182	7/8 189	7/15 196	7/22 203	7/29 210	8/5 217	8/12 224	8/19 231	8/26 238	9/2 245	9/9 252	9/16 259	9/23 266	9/30 273	YEAR TOTAL
JAMES RIVER																					
Deep Water Shoal	D	-	-	0	0.2	3.8	2.5	0.6	0.3	-	1.9										9.3
Horsehead	D	-	-	0	0.6	10.5	6.0	4.0	3.7	-	3.1										28.1
Point of Shoal	D	-	-	0	0.5	6.2	7.6	1.1	1.2	-	3.7										20.3
Swash	D	-	-	0	1.9	22.7	7.4	5.7	4.8	-	2.2										44.8
Dry Shoal	D	-	-	0	7.1	14.4	3.8	2.8	9.1	-	2.7										39.9
Rock Wharf	D	0	-	0	1.8	12.7	14.5	2.1	-	-	2.7										34.0
Wreck Shoal	D	0	-	0	3.2	32.1	6.2	3.2	3.8	-	1.9										50.5
Day's Point	D	0	-	0	0	4.3	4.8	1.2	2.6	-	3.8										17.2
PIANKATANK RIVER																					
Wilton Creek	D	0	-	0.2	2.3	1.3	1.1	6.1	2.0	-	0										13.0
Ginney Point	D	0	-	0.1	3.2	2.1	3.9	4.0	3.1	-	0										16.4
Palace Bar	D	0	-	0.4	3.4	0.0	1.3	1.3	0.5	-	0										6.9
Bland Point	D	0	-	0.4	5.6	4.2	1.3	2.0	2.9	-	0										16.4
Heron Rock	D	0	-	0	2.0	0.7	-	1.1	1.1	-	0										5.2
Cape Toon	D	0	-	0	2.4	1.2	0.3	3.4	0.5	-	0.1										8.3
Stove Point	D	0	-	1.1	2.3	1.2	1.5	0.6	0.2	-	0.1										7.0
Burton Point	D	0	-	1.1	2.7	0.4	0.4	8.5	0.2	-	0.1										13.4
GREAT WICOMICO																					
Glebe Point	D	0	-	0.8	0.1	12.8	1.0	0.7	0.1	-	0										15.5
Rogue Point	D	0	-	3.9	11.8	22.4	6.7	0	0	-	0										44.8
Hilly Wash	D	0	-	1.8	5.6	21.4	4.6	0.8	0.1	-	0										34.3
Harcum Flats	D	0	-	1.8	5.6	21.4	4.6	0.8	0.1	-	0										34.3
Hudnall	D	0	-	0.8	0.9	9.7	1.2	0.2	0	-	0										12.8
Shell Bar	D	0	-	2.7	12.6	25.0	6.7	1.3	0.3	-	0										48.6
Haynie Point	D	0	-	2.1	1.7	4.8	1.8	0.4	0	-	0										10.8
Whaley's East	D	0	-	1.8	2.3	2.2	1.8	0.2	0	-	0										8.3
Fleet Point	D	0	-	0.4	0.5	2.5	0.1	0.1	0	-	0										3.6



STATION	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	
JAMES																																
Deep Water Shoal	15.7	0.7	1.7	0.5	1.6	1.2	5.7	0.7	2.0	33.8	0.1	1.6	1.0	2.1	5.3	252.3	1.7	19.7	7.0	13.6	2.8	2.3	18.0	19.5	7.6	4.3	20.2	9.7	15.8	32.9	14.1	
Horsehead	43.7	3.7	2.8	3.6	2.8	1.1	3.8	2.3	4.0	24.4	0.0	3.6	1.3	2.2	4.2	227.6	4.2	115.0	15.0	86.3	4.7	6.1	46.4	87.1	42.0	26.8	47.8	60.9	66.4	47.1	27.7	
Point of Shoal	73.8	17.2	5.5	2.6	2.9	1.5	3.5	0.7	4.0	31.3	0.1	3.1	1.1	2.2	8.6	293.6	2.9	65.0	8.0	64.9	3.2	5.5	36.7	37.3	29.9	22.3	43.5	29.0	45.0	45.2	25.6	
Swash	46.2	5.5	0.3	2.4	2.0	1.6	6.8	2.6	3.5	26.0	0.5	11.9	1.4	1.8	6.3	481.5	5.2	52.5	14.1	56.8	4.0	12.8	32.5	111.6	60.2	72.2	38.6	41.6	69.3	30.8	37.3	
Dry Shoal	119.1	30.4	1.8	12.3	1.4	1.1	6.1	3.7	2.1	16.5	0.6	8.7	3.1	8.5	4.9	269.6	8.9	240.2	33.8	151.1	20.4	21.7	63.6	106.2	133.3	188.7	63.0	170.2	63.2	26.2	72.6	
Rock Wharf	34.3	12.0	2.6	2.8	5.4	2.1	8.0	1.0	8.5	22.7	0.1	10.0	4.4	1.9	19.8	347.5	5.0	272.4	33.8	106.5	10.9	11.5	52.3	48.0	77.2	58.3	82.7	28.9	53.9	58.8	21.8	
Wreck Shoal	15.5	2.2	0.2	11.0	0.8	0.7	3.1	0.9	3.2	8.3	1.3	21.6	3.1	4.1	4.1	584.3	7.1	64.1	17.5	66.4	3.3	12.3	30.4	149.3	87.7	223.2	61.3	130.5	167.9	31.5	78.7	
Day's Point	131.5	49.1	3.4	5.2	6.0	0.4	7.3	4.3	1.6	10.5	0.1	3.6	1.6	1.9	30.8	249.2	3.0	335.0	25.6	182.9	11.1	13.3	93.1	28.1	139.3	38.6	53.5	30.5	14.9	46.4	17.9	
PIANKATANK																																
Wilton Creek						1.9	5.9	3.6	0.2	6.5	0.1	0.2	0.4	3.9	2.9	12.1	4.1	20.9	18.4	235.6	23.3	29.7	31.4	209.5	27.2	18.7	17.8	8.9	63.2	130.6	85.7	
Ginney Point	1.7	0.0	0.5	1.3	0.0	2.2	6.4	6.8	1.2	5.9	0.2	0.2	0.3	3.9	7.1	18.3	4.5	63.7	32.0	232.0	29.3	70.5	70.4	64.1	27.9	35.8	24.3	25.9	134.4	278.4	73.6	
Palace Bar	5.0	0.9	1.0	1.6	0.0	5.5	10.1	3.9	0.2	3.1	0.1	0.5	0.2	2.1	4.6	7.5	5.9	30.3	14.1	155.7	16.6	24.8	56.7	142.0	18.6	14.5	14.4	9.3	101.4	145.6	56.2	
Bland Point						2.3	44.1	2.7	1.3	6.7	0.2	0.4	1.0	3.7	11.0	11.1	4.7	34.7	22.5	224.5	41.5	29.6	390.9	815.0	62.1	39.3	92.0	27.1	315.7	916.5	232.8	
Heron Rock						10.1	9.3	3.2	0.6	5.1	0.2	0.7	0.4	1.1	9.9	7.4	5.4	28.2	22.5	73.1	4.3	50.8	105.1	159.4	31.3	36.1	35.3	8.8	145.8	389.5	22.8	
Cape Toon						4.5	12.3	1.2	1.8	9.1	0.1	2.0	2.6	8.2	23.5	23.4	9.9	193.2	33.1	191.2	62.9	271.0	167.5	104.3	112.0	75.9	88.4	11.2	410.2	499.0	23.7	
Stove Point						1.0	7.1	1.8	1.6	31.0	0.1	0.7	1.7	7.0	19.9	14.1	6.0	23.2	26.0	121.0	42.3	31.4	304.1	335.8	18.3	28.7	63.5	14.1	704.3	685.9	80.8	
Burton Point	6.5	0.1	1.0	1.0	0.7	1.3	14.9	2.7	0.8	4.9	0.2	1.9	0.9	2.9	10.6	7.1	3.0	19.0	17.5	172.0	21.3	58.4	379.5	474.5	43.7	34.6	54.2	19.8	323.0	884.8	65.1	
GREAT WICOMICO																																
Glebe Point	0.2	0.0	2.1	0.6	42.7	0.6	2.4	4.2	1.1	283.3	4.9	1.6	2.0	150.3	132.9	140.6	405.6	39.5	134.0	2122.5	49.4	251.4	234.8	1117.3	487.9	10.0	169.2	626.7	13.0	235.2	43.4	
Rogue Point						0.9	2.0	2.6	0.7	16.6	7.0	0.5	2.6	88.1	112.0	126.2	92.9	82.9	33.5	1136.2	79.5	442.5	102.7	618.9	141.1	11.1	188.5	1177.7	61.4	817.2	188.5	
Hilly Wash						0.6	1.6	3.2	0.8	24.1	2.9	0.5	1.9	43.9	126.9	137.7	81.7	27.6	43.3	1198.8	73.2	283.0	151.4	525.6	281.6	9.9	113.2	918.5	59.0	654.9	199.4	
Harcum Flats						0.1	1.3	0.8	1.1	33.7	3.7	0.7	1.5	110.7	135.3	273.3	112.3	31.3	51.0	1128.3	38.6	156.6	260.9	601.9	333.6	14.5	229.1	884.9	87.3	870.3	327.2	
Hudnall	0.9	0.0	0.3	0.4	78.6	0.5	0.9	1.0	1.4	12.7	3.1	0.6	0.9	37.4	51.7	83.0	44.3	32.5	44.5	287.0	37.8	150.5	136.4	601.9	200.7	9.7	186.1	966.7	56.9	500.3	126.3	
Shell Bar						0.0	2.9	0.8	0.8	17.8	1.9	0.3	0.9	29.6	30.3	78.1	18.5	46.2	40.2	472.7	51.2	295.0	437.7	991.1	336.7	12.8	298.8	542.1	194.0	1121.7	524.6	
Haynie Point	1.6	0.0	0.3	5.4	8.7	0.7	1.1	1.1	0.9	15.4	1.6	0.3	0.8	17.1	24.8	43.1	8.6	17.8	22.7	213.5	16.1	220.4	261.9	575.7	106.9	8.8	273.6	428.0	142.7	816.9	151.3	
Whaley's East	0.2	0.0	0.6	3.5	2.0	0.4	1.8	0.2	0.7	2.4	0.9	0.1	0.4	6.0	21.6	1.9	2.3	16.4	5.5	144.7	4.1	83.0	82.5	747.8	101.1	7.5	165.3	280.7	125.2	347.5	102.1	
Fleet Point	2.3	0.0	2.8	4.2	6.9	0.3	0.5	0.6	1.0	3.9	0.4	0.3	0.4	4.9	8.6	8.4	1.3	10.2	6.5	79.3	8.4	77.5	36.8	595.7	224.1	21.9	239.1	23.9	43.5	326.4	46.8	

Light settlement (0.0 - 1.0 spat/shell)

Moderate settlement (1.01-10.0 spat/shell)

Heavy settlement (10.1-100.0 spat/shell)

Extremely heavy settlement (>100.0 spat/shell)



Approved 2023 - 2024 Public Oyster Harvest Season								
PLEASE CONSULT VMRC REGULATION 4VAC 20-720 PRIOR TO HARVESTING								
Area	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
James								
Clean Cull	HT*	HT	HT	HT	HT	HT	HT	HT
Area 3		HS*	HS*	HS*	HS*	HS*	HT	
Area 1,2	HS*	HS*	HS*	HS*	HS*	HT	HS*	HT
Seed Oysters	HT	HT	HT	HT	HT	HT	HT	HT
York HTA		HT	HT	HT	HT	HT		
York 1	HT*	HS*	HT	HT	HT	HS*	HT	
Milford Haven		HT	HT	HT	HT	HT		
Deep Rk		PT*	PT*	PT*	PT*	PT*		
Rappahannock								
Area 1	PT*	PT*	PT*	PT*	PT*	HS*		
Middle Ground		HS*						
Larsons Bay			PT*	PT*	PT*			
Area 2					HS*			
Area 4	HS*							
Area 6		HS*						
Area 7			HS*					
Area 8				HS*	HS*			
Area 9	HT*	HT	HT	HT	HT	HT		
Corrotoman HTA	HT*	HT	HT	HT	HT	HT		
Great Wicomico 1			HS*	HS*	HS*			
Blackberry Hangs					HS*			
Little Wicomico	HT*	HT	HT					
Potomac Tribs	HT*	HT	HT					
Indian Creek						HT		
Beasley						DR*		
Tangier California		DR*						
Poco Area 1			DR*	DR*	DR*			
Tangier Area 1			DR*	DR*	DR*	DR*		
Poco. Sound 10		HT	HT	HT	HT	HT		
Poco. Sound 9		HT	HT	HT	HT	HT		
Seaside ES		By Hand	By Hand	By Hand	By Hand	By Hand		
HT	HS		DR			PT		
Hand Tong	Hand Scrape		Dredge			Patent Tong	By Hand	
* harvest ends at noon/ 11am in October					Online Mandatory Reporting Codes			
Bushel Limits					HT = OT			
8 bushel limit HS/DR/PT - 16 BU. Vessel limit					HS = OSCR			
14 bushel limit HT/By Hand - 28 BU. Vessel limit					DR = OYDRD			
https://webapps.mrc.virginia.gov/harvest/					PT = PTOYS			
Season extensions approved by the Commission on January 23, 2024					BY HAND = OYHND			

SMAC TEMPLATE								
Area	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
James River								
Clean Cull	HT*	HT	HT	HT	HT	HT	HT	
Area 1,2,3	HS*	HS*	HS*	HS*	HS*	HS*		
Seed Oysters	HT*	HT	HT	HT	HT	HT	HT	HT
York River								
Mobjack					HS*			
York HTA	HT	HT	HT	HT	HT	HT		
York 2		HT	HT	HT	HS*	HS*		
York 1		HT	HT	HS*	HT	HT		
Milford Haven			HT	HT	HT			
Deep Rock		PT	PT	PT	PT	PT		
Rappahannock								
Area 1	PT*	PT*	PT					
Area 3					HS*	HS*		
Area 5		HS*						
Area 7		HT	HS*	HT	HT	HT		
Area 8		HT	HT	HS*	HT	HT		
Area 9	HT*	HT	HT	HT	HT	HT		
Corrotoman HTA	HT*	HT	HT	HT	HT	HS*	HT	
Larsons Bay	PT*	PT*	PT					
Great Wicomico 1				HS*				
Great Wicomico 2			HS*					
Great Wicomico HTA	HT*							
Blackberry Hangs					HS*	HS*		
Piankatank? Discussion?								
Little Wicomico	HT*	HT	HT					
Potomac Tribs	HT*	HT	HT					
Indian Creek	HT*	HT	HT	HT	HT	HT		
Tangier-Pocomoke								
Poco Area 2		DR*	DR*	DR*	DR*			
Tangier Area 2			DR*	DR*	DR*			
Hurleys						DR*		
Poco. Sound 9		HT	HT	HT	HT	HT		
Poco. Sound 10		HT	HT	HT	HT	HT		
Poco. Sound 11		HS*	HT	HT	HT	HS*	HT	
Seaside ES		By Hand	By Hand	By Hand	By Hand	By Hand	By Hand	
HT	HS			DR		PT		
Hand Tong	Hand Scrape			Dredge		Patent Tong	By Hand	
* harvest ends at noon/ 11am in October					Online Mandatory Reporting Codes			
Bushel Limits					HT = OT			
8 bushel limit HS/DR/PT - 16 BU. Vessel limit					HS = OSCR			
14 bushel limit HT/By Hand - 28 BU. Vessel limit					DR = OYDRD			
https://webapps.mrc.virginia.gov/harvest/					PT = PTOYS			
					HAND = OYHND			

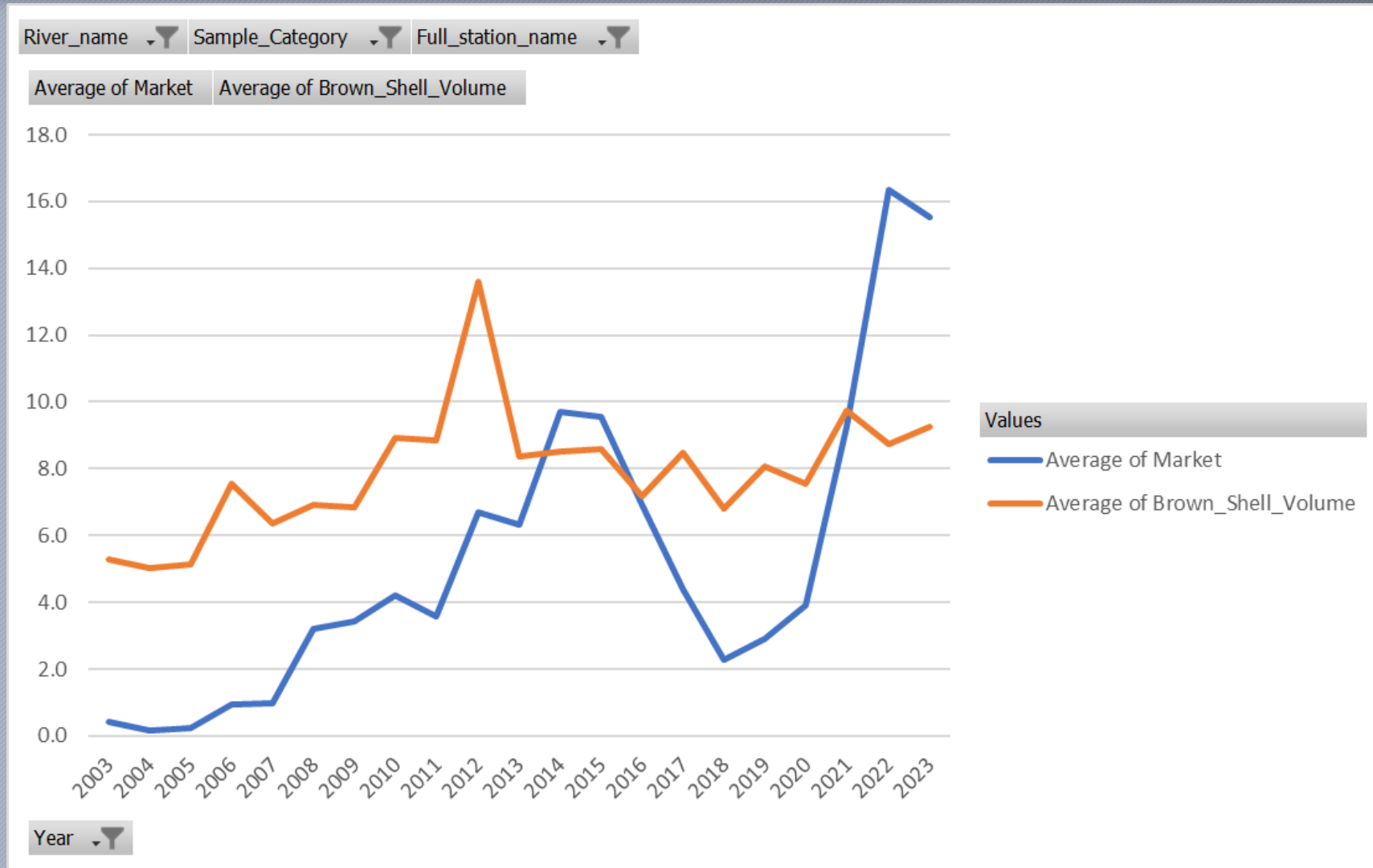


SMAC TEMPLATE								
Area	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
James River								
Clean Cull	HT*	HT	HT	HT	HT	HT	HT	
Area 1,2,3	HS*	HS*	HS*	HS*	HS*	HS*		
Seed Oysters	HT*	HT	HT	HT	HT	HT	HT	HT
York River								
Mobjack					HS*			
York HTA	HT	HT	HT	HT	HT	HT		
York 2		HT	HT	HT	HS*	HS*		
York 1		HT	HT	HS*	HT	HT		
Milford Haven			HT	HT	HT			
Deep Rock		PT	PT	PT	PT	PT		
Rappahannock								
Area 1	PT*	PT*	PT					
Area 3					HS*	HS*		
Area 5		HS*						
Area 7		HT	HS*	HT	HT	HT		
Area 8	HT*	HT	HT	HS*	HT	HT		
Area 9	HT*	HT	HT	HT	HT	HT		
Corrotoman HTA	HT*	HT	HT	HT	HT	HS*	HT	
Larsons Bay	PT*	PT*	PT					
Great Wicomico 1				HS*				
Great Wicomico 2			HS*					
Great Wicomico HTA	HT*							
Blackberry Hangs					HS*	HS*		
Piankatank? Discussion?								
Little Wicomico	HT*	HT	HT					
Potomac Tribs	HT*	HT	HT					
Indian Creek	HT*	HT	HT	HT	HT	HT		
Tangier-Pocomoke								
Poco Area 2		DR*	DR*	DR*	DR*			
Tangier Area 2			DR*	DR*	DR*			
Hurleys						DR*		
Poco. Sound 9		HT	HT	HT	HT	HT		
Poco. Sound 10		HT	HT	HT	HT	HT		
Poco. Sound 11		HS* HT	HT	HT	HS* HT	HT		
Seaside ES		By Hand	By Hand	By Hand	By Hand	By Hand	By Hand	
		HT	HT	HT	HT	HT	HT	
HT	HS		DR			PT		By Hand
Hand Tong	Hand Scrape		Dredge			Patent Tong		
* harvest ends at noon/ 11am in October						Online Mandatory Reporting Codes		
Bushel Limits								
8 bushel limit HS/DR/PT - 16 BU. Vessel limit						HT = OT		
14 bushel limit HT/By Hand - 28 BU. Vessel limit						HS = OSCR		
Click Here for a Map of Open Areas						DR = OYDRD		
https://webapps.mrc.virginia.gov/harvest/						PT = PTOYS		
						HAND = OYHND		

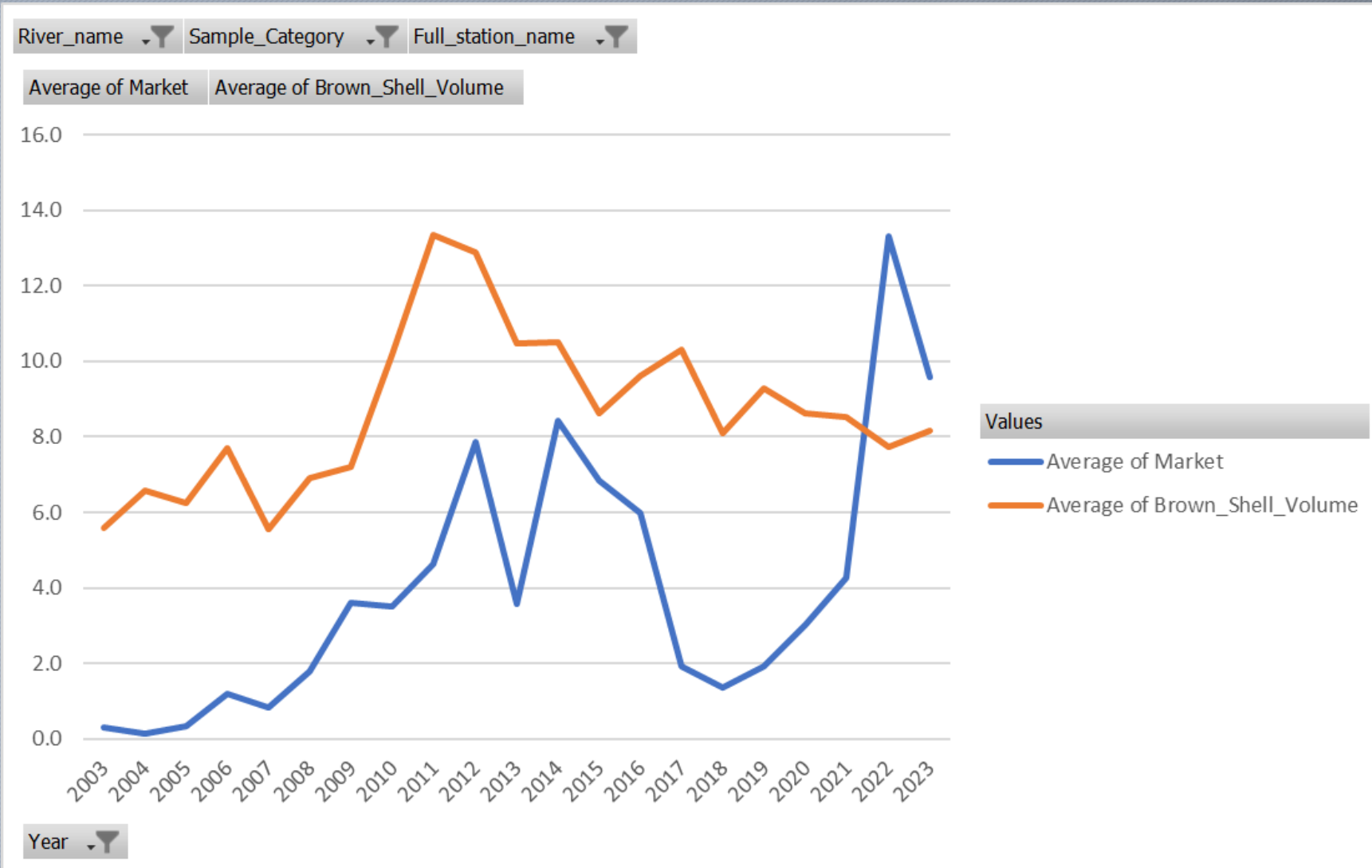
PIANKATANK



PIANKATANK VMRC CONSTRUCTED AREAS



PIANKATANK SEED AREAS



PIANKATANK



#8 GW CORP
(COE 8)

#9 GW CORP
(COE 9)

#10 GW CORP
(COE 10)

#13 GW CORP Haynie Bar
(COE 13) (Haynie
Point)

#11 GW CORP
(COE 11)

GW CORP 12
(COE 12)

#15 GW CORP
(COE 15)

#16 GW CORP
(COE 16)

Shell Bar
(Shell Bar)

Sandy P int
(Sandy Point)

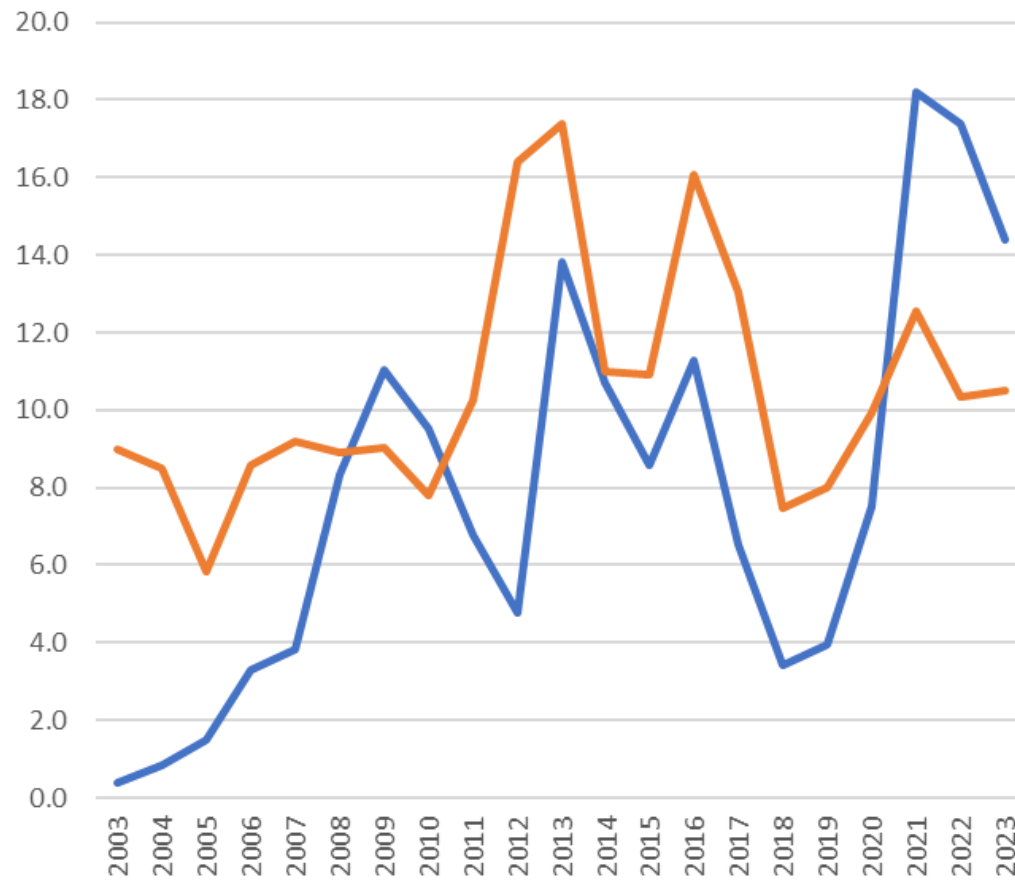
P.G. 56
(Cockrell
Creek)

GW SEED AREAS



River_name ▼ Sample_Category ▼ Full_station_name ▼

Average of Market Average of Brown_Shell_Volume



Values

— Average of Market

— Average of Brown_Shell_Volume

Year ▼



<https://gis.mrc.virginia.gov/mapviewer/>

<https://cmap22.vims.edu/VOSARA/>





Tangier/Pocomok	Bar	Acreage	Total Bu	Total Cu yds
	PG08 California	40.00	26,815	1,730
	Johnsons	40.00	26,800	1,729
	Marshall's Rock	7.00	7,750	500
	Byrd Rock	13.00	14,725	950
	Onancock	11.00	13,253	855
Subtotals		111.0	89,342	5,764

Great Wicomico	Bar	Acreage	Total Bu	Total Cu yds
	Ingrams (North)	21.00	17,205	1,110
	Dameron Marsh East/ Ingrams (South)	20.00	12,400	800
Subtotals		41.0	29,605	1,910

York	Bar	Acreage	Total Bu	Total Cu yds
	Pages Rock	113.0	103,773	6,695
Subtotals		113.0	103,773	6,695

Rappahannock	Bar	Acreage	Total Bu	Total Cu yds
	Morattico	121.00	46,469	2,998
	Monaskon Bluff	160.00	31,000	2,000
	Sturgeon #8 and #9	22.00	25,575	1,650
	Punch Bowl	20.00	24,924	1,608
	Bush Park #52 and #54	11.00	14,725	950
	North End	11.00	13,966	901
Subtotals		345.0	156,659	10,107

	Bar	Acreage	Total Bu	Total Cu yds
Mobjack (fines)				
	Browns Bay	20.0	158,302	10,213
Subtotals		20.0	158,302	10,213
Lower James	Bar	Acreage	Total Bu	Total Cu yds
	Nansemond Ridge	100	149,017	9,614
	High Shoal	44	26,660	1,720
Subtotals		144.0	175,677	11,334
Grand Total (whole Shell)		774.0	624,015	35,810
Grand Total (whole Shell and fines)		794.0	713,357	46,023

