

Aquaculture Coordinating Council  
Shellfish Aquaculture Update  
December 10, 2020

Leasing Activity September 25, 2020 – December 10, 2020

<b>Lease Site Totals through 12/10/20</b>		<b>Acres</b>
572	All applications submitted since 9/7/10	11,239.6
204	Submerged Land executed since 9/7/10	5866.0
123	Water Column executed since 9/7/10	675.0
327	All leases executed by State since 9/7/10	6,541.1
12	Applications processed as Amendments	59
137	Applications Terminated/Withdrawn	2593
96	All applications in process	2,047.1
4	Incomplete applications in process	59.0
501	All applications submitted since 8/1/11	8,669.6
184	Water Column submitted since 8/1/11	1,474.5
317	Submerged Land submitted since 8/1/11	7,195.1
117	Water Column executed since 8/1/11	637.0
202	Submerged Land executed since 8/1/11	5,859.3
188	Sanctuary apps submitted since 8/1/11	3,988.8
96	Sanctuary leases executed since 8/1/11	2,546.5
456	TFL holders named on apps submitted since 9/7/10	
271	TFL holders named on leases executed since 9/7/10	
73	TFL holders named on apps still in process	

- The Aquaculture Division has received no new shellfish aquaculture lease applications since the September 24, 2020 ACC meeting, for a total of **96** applications currently in process.
- **Two new lease agreements, two lease amendments and four lease transfers were executed since the last meeting. One additional new lease agreement is pending execution.**
- No new hydrographic survey requests for proposed new leases have been requested since the last meeting. **Three previously requested surveys were completed, and four remain outstanding.**
- One public notice for a proposed new gear type on an existing shellfish water column lease was initiated and closed since the last meeting, without comments received. A lease amendment is in preparation.
- There are currently 15 proposed lease applications with open protests and/or requests for public meetings (13 submerged land leases and 2 water column leases). **One contested case hearing request was transmitted to the Office of Administrative Hearings in November, but a hearing date has not been set.**
- Eleven lease renewal notification letters have been mailed for 2020, and all corresponding renewal applications have been returned for processing. Renewal surveys remain on hold at this time.

- We received a total of 36 shellfish import permit applications for the 2020 season, 34 of which were issued for oyster shell, clam shell, clam seed, oyster larvae, oyster seed and bay scallops.
- Five shellfish nursery permit applications have been received thus far in 2020, one was subsequently withdrawn and five new nursery permits have been issued. One nursery permit modification has also been issued. Four additional nursery permits are pending issuance.
- On October 26<sup>th</sup>, leaseholders were notified by email and on the Division’s home page that this year’s annual invoice mailing and reporting process for shellfish leases would be handled electronically, with the generic permitting documents being made available on a specifically created web page, and the personalized usage report, permit renewal and rent invoices to be emailed directly. Staff intended to have all personalized documents sent by the second week in November; however, it took significantly more time than expected to send out the nearly 440 individual emails. Physical annual usage packets (~20) were mailed to leaseholders who either did not have an email address on file with the Division, experienced email bounce-back, or specifically requested that hard copies be sent. All mailings (email and physical) were completed by December 3rd, broken down as follows:
  - 11/2-11/07: 83 packets sent
  - 11/9-11/13: 41 packets sent
  - 11/16-11/20: 137 packets sent
  - 11/22-11/27: 142 packets sent
  - 11/30-12/03: 54 packets sent

**To date, approximately 120 sets of lease report and renewal packets have been received back to the Department.** These are in the process of being logged in as received and then reviewed for completeness. Outreach is ongoing as needed through both phone and email correspondence. All annual mailing document questions should be directed to Kellie Dennis.

From September 2010 through September 23, 2020, **Maryland has received 572 lease applications**, 501 of which have been received since August 1, 2011 when the Department began accepting applications for water column leases. Through the same date, the State has issued 327 new commercial shellfish leases totaling approximately 6,541 acres, and processed 12 applications that expanded the acreage of or added an additional gear type to an existing lease via a lease amendment.

Acreage By County												
Lease Type	AA	CA	CH	DO	KE	QA	SM	SO	TA	WI	WO	Total
B	370.05	142.2	88.6	2,672	44.8	20.4	766.33	1,072	699.89	1,127.4	15.2	7,018.87
WC	9.2	35.8	7.9	199.45	4.9	3.71	200.54	19.7	40.3	0	52.9	574.40
Total	379.25	178	96.5	2,871.5	49.7	24.11	966.87	1,091.7	740.19	1,127.4	68.1	7,593.27

Lease totals By County												
Lease Type	AA	CA	CH	DO	KE	QA	SM	SO	TA	WI	WO	Total
B	24	13	5	89	1	2	80	38	65	47	2	366
WC	3	6	1	28	1	4	31	5	10	0	13	102
Total	27	19	6	117	2	6	111	43	75	47	15	468

Shellfish Aquaculture Harvester Permit and Registration Cards (through 12/10/20):

- The total number of permits issued in 2020 to date is 2,535
- The total number of Permittees in 2020 to date is 726
- The total number of Registrants in 2020 to date is 1,809
- The total number of discrete individuals permitted in 2020 to date is 509
- The total number of leases permitted for activity in 2020 to date is 457

**Annual Maryland Farm-Raised Oyster Harvest (converted to bushels)**

Year	Total Annual Lease Harvest (bu)	Submerged Land Lease Harvest (bu)	Water Column Lease Harvest (bu)
2012	3,335	1,417	1,917
2013	22,197	14,965	7,232
2014	34,155	17,431	16,724
2015	50,637	30,408	20,229
2016	64,609	40,195	24,414
2017	72,721	43,425	29,296
2018	57,543	33,067	24,476
2019	54,903	29,850	25,054
2020*	39,913	26,933	12,980

\*Preliminary totals, not QA/QC'd and with many reports still unreceived/unentered.

Summary of Shellfish Lease Applications (1/1/2015 - 12/10/2020)										
Waterbody	County	Acreage	Status	Received	Complete	TFL	Sanctuary	WC	Gear Type	IssuedDate
Smith Creek	St. Mary's	3	Recorded	1/6/15	1/6/15					11/21/16
St. Marys River	St. Mary's	4.7	Survey (revised)	1/6/15	1/6/15			Yes	Cages	
Calvert Bay	St. Mary's	2.5	Recorded	1/6/15	1/6/15			Yes	Cages	2/28/17
Wicomico River	St. Mary's	4.5	Recorded	1/8/15	1/27/15			Yes	Cages	5/8/19
Fishing Bay	Dorchester	6.1	Recorded	1/12/15	1/12/15	Yes				11/2/15
Honga River	Dorchester	14	Recorded	2/10/15	2/26/15	Yes		Yes	Cages & Floats	6/27/18
Smith Creek	St. Mary's	2.6	Under Protest	2/12/15	2/12/15	Yes				
Harris Creek	Talbot	4.1	Recorded	2/19/15	4/7/15		Yes	Yes	Cages	4/28/16
Wicomico River	Somerset	26.7	Recorded	3/3/15	3/3/15	Yes				10/20/16
Ellis Bay	Wicomico	69.9	Recorded	3/19/15	3/19/15	Yes				9/20/17
Wicomico River	Charles	13.8	Recorded	3/30/15	3/30/15	Yes				2/4/16
Smith Creek	St. Mary's	1.7	Under Protest	3/31/15	3/31/15	Yes				
Chester River	Kent	4.9	Recorded	4/6/15	4/9/15			Yes	Cages	8/23/16
Smith Creek	St. Mary's	2.1	Recorded	4/23/15	4/23/15	Yes				9/19/16
Fishing Bay	Dorchester	12.4	Recorded	5/4/15	6/4/15	Yes				6/1/16
Breton Bay	St. Mary's	4.3	Recorded	5/6/15	6/2/15			Yes	Cages	9/22/16
Chesapeake Bay	Anne Arundel	22.4	Recorded	5/7/15	5/7/15					2/4/16
Cummings Creek	Talbot	7.4	Recorded	5/8/15	5/8/15	Yes	Yes			8/14/18
Shipping Creek	Queen Anne's	0.5	Recorded	5/26/15	6/1/15			Yes	Cages & Floats	2/27/19
Chesapeake Bay	Calvert	37.8	Recorded	6/3/15	6/5/15	Yes	Yes			4/11/16
Cox Creek	Queen Anne's	2.2	Recorded	6/9/15	6/9/15	Yes		Yes	Cages	10/25/17
Herring Creek	St. Mary's	1.8	Recorded	6/22/15	8/14/15	Yes				10/17/16
Smith Creek	St. Mary's	1.3	Recorded	6/26/15	10/8/15	Yes				9/19/16
Carthagen Creek	St. Mary's	2.6	Recorded	7/6/15	7/6/15	Yes				3/21/17
South River	Anne Arundel	4.9	Recorded	7/15/15	7/15/15			Yes	Cages	2/19/16
Tred Avon River	Talbot	3.2	Under Protest	7/31/15	8/10/15	Yes	Yes			
Fishing Bay	Dorchester	1.4	Recorded	8/28/15	9/15/15	Yes				6/1/16
Monie Bay	Somerset	23.7	Recorded	9/4/15	9/4/15		Yes			4/26/17
Monie Bay	Somerset	27	Recorded	9/4/15	9/4/15		Yes			4/26/17
Monie Bay	Wicomico	47.7	Recorded	9/9/15	9/9/15					7/14/16
Patuxent River	Calvert	3	Recorded	9/29/15	9/29/15	Yes		Yes	Cages & Floats	9/18/19
Jutland Creek	St. Mary's	1.6	Recorded	10/5/15	10/8/15					1/24/18
Smith Creek	St. Mary's	0.5	Recorded	10/5/15	10/14/15					7/25/17
Choptank River	Talbot	11	Recorded	10/14/15	11/3/15	Yes	Yes			7/14/16
Cummings Creek	Talbot	2.1	Recorded	11/9/15	11/9/15	Yes	Yes			11/21/16
Choptank River	Dorchester	9.5	Recorded	11/12/15	11/12/15	Yes	Yes			7/14/16
Wicomico River	Somerset	16.9	Recorded	11/24/15	11/24/15	Yes				10/17/16
Ellis Bay	Wicomico	9.1	Recorded	11/24/15	11/24/15	Yes				10/17/16
Harris Creek	Talbot	3.8	Recorded	12/1/15	12/28/15		Yes	Yes	Cages	11/26/18
Chincoteague Bay	Worcester	2.4	Recorded	12/10/15	12/22/15			Yes	Cages	10/17/16
Wicomico River	St. Mary's	54.2	Recorded	12/23/15	12/23/15	Yes				2/28/17
Patuxent River	St. Mary's	5.8	Recorded	12/29/15	6/27/16			Yes	Cages	9/18/19
Patuxent River	St. Mary's	7.5	Recorded	12/29/15	6/27/16			Yes	Cages	9/18/19
Harris Creek	Talbot	3.8	Recorded	1/4/16	1/4/16		Yes	Yes	Cages	9/20/17
Harris Creek	Talbot	2.5	Recorded	1/4/16	1/4/16	Yes	Yes			9/20/17
Choptank River	Dorchester	15.2	Recorded	1/21/16	1/21/16	Yes	Yes			1/7/19
Miles River	Talbot	10.4	Recorded	1/21/16	1/21/16	Yes	Yes			1/8/18
Miles River	Talbot	2	Recorded	1/21/16	1/21/16	Yes	Yes			12/11/17
St. Inigoes Creek	St. Mary's	6	Incomplete	1/21/16		Yes				
Wicomico River	Wicomico	10.4	Recorded	2/4/16	2/4/16	Yes				3/21/17
Monie Bay	Somerset	88.2	Recorded	2/8/16	2/8/16	Yes				12/6/16
St. Catherine Sound	St. Mary's	3.7	Recorded	2/8/16	2/8/16	Yes				1/6/17
Honga River	Dorchester	4.9	Recorded	3/8/16	3/30/16		Yes	Yes	Cages	12/6/16
Honga River	Dorchester	4.8	Recorded	3/8/16	3/30/16		Yes	Yes	Cages	12/6/16
Island Creek	St. Mary's	2	Recorded	4/18/16	8/30/16			Yes	Cages & Floats	8/14/18
Chesapeake Bay	St. Mary's	10.9	Under Protest	4/18/16	10/24/16			Yes	Cages & Floats	
Fishing Bay	Dorchester	4.9	Recorded	5/11/16	6/13/16	Yes		Yes	Cages	9/20/17
Fishing Bay	Dorchester	4.6	Recorded	5/11/16	6/13/16	Yes		Yes	Cages	9/20/17
Tangier Sound	Somerset	42.4	Recorded	6/6/16	6/6/16					5/15/17
Tangier Sound	Somerset	45.2	Recorded	6/6/16	6/6/16	Yes				5/15/17
Monie Bay	Somerset	45.5	Recorded	6/27/16	7/5/16	Yes				7/25/17
Monie Bay	Somerset	50.2	Recorded	6/27/16	7/5/16	Yes				7/25/17
Wicomico River	Wicomico	16.6	Recorded	7/7/16	7/7/16	Yes				6/22/17
West River	Anne Arundel	35.4	Recorded	8/8/16	8/18/16	Yes				12/4/17
Sinepuxent Bay	Worcester	2.9	Recorded	9/8/16	9/9/16			Yes	Cages & Floats	6/7/20
Smith Creek	St. Mary's	5.6	Recorded	9/12/16	9/12/16	Yes				2/27/19
Prospect Bay	Queen Anne's	0.8	Recorded	9/14/16	9/23/16		Yes	Yes	Floats	9/19/18
Wicomico River	Wicomico	5.9	Recorded	9/19/16	9/19/16					9/20/17
Wicomico River	Somerset	18.1	Recorded	9/22/16	9/22/16	Yes				8/24/17
Chesapeake Bay	St. Mary's	48	Recorded	9/23/16	10/3/16			Yes	Cages	9/20/17
Patuxent River	Calvert	2.8	Recorded	10/17/16	10/17/16			Yes	Cages	9/20/17
Patuxent River	Calvert	2.3	Recorded	10/17/16	10/17/16			Yes	Cages	9/20/17
Honga River	Dorchester	6.3	Recorded	11/7/16	12/9/16	Yes		Yes	Floats	2/12/18
Prospect Bay	Queen Anne's	3.4	Under Protest	11/10/16	11/10/16	Yes	Yes	Yes	Cages	
Brokanorton Bay	Worcester	6	Recorded	11/15/16	12/1/16			Yes	Floats	7/10/19
Eastern Bay	Talbot	2.8	Recorded	12/5/16	12/5/16	Yes	Yes	Yes	Cages	10/25/17
Eastern Bay	Talbot	4.3	Recorded	12/6/16	12/6/16	Yes	Yes	Yes	Cages	10/25/17
Sern River	Anne Arundel	6.4	Recorded	12/8/16	12/8/16	Yes	Yes	Yes	Cages	10/25/17
Nanticoke River	Dorchester	49	On Hold	12/14/16	12/14/16	Yes	Yes			
Nanticoke River	Wicomico	11.5	Recorded	12/29/16	12/29/16					12/4/17
Nanticoke River	Dorchester	15.1	Recorded	12/29/16	12/29/16					1/24/18
Chesapeake Bay	Calvert	24	Recorded	1/23/17	4/24/17	Yes	Yes			5/8/19

Chesapeake Bay	Calvert	7.7	Recorded	1/23/17	4/24/17	Yes	Yes	Yes	Cages	10/11/18
Patuxent River	St. Mary's	25.6	Under Protest	1/24/17	2/3/17	Yes				
Wicomico River	Charles	5.6	Recorded	1/25/17	2/7/17	Yes				7/10/19
Neale Sound	Charles	7.9	Recorded	1/25/17	2/23/17	Yes		Yes	Cages	10/11/18
Tedious Creek	Dorchester	2.8	Recorded	1/25/17	10/4/17			Yes	Floating Upwellers	4/9/19
St. Jerome Creek	St. Mary's	0.1	Recorded	1/26/17	4/24/17			Yes	Floats	12/10/18
St. Jerome Creek	St. Mary's	0.2	ForwardAG	1/26/17	4/2/19			Yes	Floats	
Fishing Bay	Dorchester	49.7	Recorded	2/7/17	2/7/17					5/23/18
Fishing Bay	Dorchester	50.2	On Hold	2/7/17	2/7/17					
Little Choptank River	Dorchester	11.4	Recorded	2/10/17	2/10/17	Yes	Yes			2/12/18
Nanticoke River	Dorchester	13.9	Recorded	2/24/17	2/24/17	Yes				3/15/18
Johnson Bay	Worcester	6.4	Recorded	3/1/17	8/10/17			Yes	Floats	7/10/18
Wicomico River	Wicomico	91.6	Recorded	3/8/17	6/9/17	Yes				5/4/18
White's Neck Creek	St Mary's	4	Received	3/20/17		Yes				
Fishing Bay	Dorchester	12.2	Recorded	3/31/17	3/31/17	Yes				5/22/18
St. Clements Bay	St Mary's	0.4	Recorded	4/3/17	5/15/17			Yes	Cages	10/18/18
Choptank River	Talbot	15.3	Recorded	4/11/17	5/8/17	Yes	Yes			4/13/18
Choptank River	Dorchester	22.3	Public Notice	4/21/17	4/21/17	Yes				
Choptank River	Dorchester	20.7	Recorded	5/2/17	5/2/17	Yes				12/13/18
Choptank River	Dorchester	5.6	Recorded	5/9/17	5/9/17	Yes				12/13/18
Little Choptank River	Dorchester	19.8	Recorded	5/18/17	5/18/17	Yes	Yes			11/8/18
Tred Avon River	Talbot	4	Recorded	5/31/17	7/19/17	Yes				4/23/18
Tred Avon River	Talbot	15.6	Recorded	5/31/17	7/19/17	Yes	Yes			4/11/18
Monie Bay	Somerset	28.4	Recorded	6/1/17	6/28/17					5/4/18
St. Clements Bay	St. Mary's	31.5	Recorded	6/5/17	7/31/17	Yes				6/7/20
Wicomico River	St Mary's	24.8	Recorded	6/5/17	7/31/17	Yes				6/7/20
Manokin River	Somerset	39.6	Recorded	6/5/17	6/28/17	Yes				2/27/19
Eastern Bay	Talbot	5.4	Recorded	6/13/17	8/21/17			Yes	Cages & Floats	12/10/18
Monie Bay	Somerset	7.4	Recorded	6/21/17	6/21/17	Yes				4/11/18
Fishing Bay	Dorchester	2.5	Recorded	6/22/17	8/10/17	Yes				7/10/18
Nanticoke River	Wicomico	7.2	Recorded	6/28/17	7/26/17	Yes	Yes			6/7/18
Jutland Creek	St. Mary's	6.5	Recorded	7/7/17	7/19/17					8/28/19
Patuxent River	St. Mary's	4.2	Recorded	7/24/17	8/2/17			Yes	Floats	7/29/19
Big Annemessex River	Somerset	49.5	Recorded	7/25/17	7/31/17					12/19/18
Big Annemessex River	Somerset	46.1	Recorded	7/25/17	7/31/17					12/19/18
Wicomico River	Charles	28.3	Recorded	7/27/17	6/6/18	Yes				6/7/20
Choptank River	Dorchester	5	Recorded	7/31/17	7/31/17	Yes		Yes	Cages	9/19/18
Chester River	Kent	4.9	Recorded	8/2/17	8/10/17			Yes	Floats	6/7/18
Manokin River	Somerset	26.6	Recorded	8/10/17	8/17/17	Yes				2/27/19
Manokin River	Somerset	26.7	Recorded	9/7/17	9/7/17	Yes				5/8/19
Cummings Creek	Talbot	0.9	Recorded	9/15/17	10/6/17	Yes	Yes	Yes	Bags	5/8/19
Fishing Bay	Dorchester	32.4	Recorded	10/4/17	10/10/17			Yes	Floats	10/9/19
Tar Bay	Dorchester	3.1	Recorded	10/4/17	10/10/17			Yes	Floats	10/9/19
Choptank River	Dorchester	3.2	Recorded	10/11/17	11/6/17	Yes		Yes	Cages	1/7/19
Smith Creek	St. Mary's	7.8	Recorded	10/24/17	11/13/17	Yes				5/18/20
Smith Creek	St. Mary's	9.5	Recorded	10/24/17	11/14/17	Yes				5/18/20
Chesapeake Bay	St. Mary's	13.3	Recorded	10/24/17	11/21/17			Yes	Floats	12/19/18
Choptank River	Talbot	8.2	Recorded	10/30/17	11/27/17	Yes	Yes			11/23/20
Choptank River	Dorchester	8	Recorded	11/7/17	11/16/17	Yes	Yes			2/27/19
Choptank River	Dorchester	17.2	Recorded	11/27/17	12/13/17	Yes	Yes			7/7/20
Choptank River	Dorchester	45	Recorded	12/4/17	12/4/17	Yes	Yes			7/7/20
Choptank River	Talbot	1	Recorded	12/4/17	12/13/17	Yes	Yes			11/23/20
Choptank River	Dorchester	43.9	Recorded	12/4/17	12/13/17	Yes	Yes			8/24/20
Choptank River	Dorchester	59.9	Recorded	12/11/17	12/13/17	Yes	Yes			4/9/19
Fishing Bay	Dorchester	8.4	Recorded	12/13/17	1/24/18	Yes		Yes	Floats	4/9/19
Fishing Bay	Dorchester	12.1	Recorded	12/21/17	1/5/18	Yes				2/27/19
Wicomico River	Somerset	24.5	Recorded	12/28/17	1/24/18	Yes				8/28/19
Wicomico River	Somerset	7.3	Recorded	12/29/17	2/9/18					5/8/19
Harris Creek	Talbot	4.7	Recorded	1/16/18	2/13/18	Yes	Yes	Yes	Cages	2/25/20
Carthagen Creek	St. Mary's	2.3	Recorded	1/26/18	3/12/18	Yes				10/9/19
Carthagen Creek	St. Mary's	2.4	Recorded	1/26/18	3/12/18	Yes				10/9/19
Carthagen Creek	St. Mary's	4	Recorded	1/26/18	3/12/18	Yes				10/9/19
Carthagen Creek	St. Mary's	1.6	Recorded	1/26/18	3/12/18	Yes				11/4/19
St. George Creek	St. Mary's	5.8	Survey	1/26/18	3/12/18	Yes				
St. Marys River	St. Mary's	8.4	Phase II	1/26/18	12/31/19	Yes				
Fishing Bay	Dorchester	4.7	Recorded	2/22/18	2/22/18	Yes				2/27/19
Little Choptank River	Dorchester	16.3	Recorded	2/27/18	3/19/18	Yes	Yes			11/23/20
Chesapeake Bay	Talbot	50.2	Recorded	2/28/18	7/17/18					11/4/19
Herring Creek	St. Mary's	2.5	Recorded	3/2/18	8/1/18			Yes	Cages	5/18/20
St. Marys River	St. Mary's	1.7	GISRescreen	3/12/18	3/12/18	Yes	Yes			
Eastern Bay	Talbot	5	Recorded	3/19/18	5/11/18	Yes	Yes	Yes	Cages & Floats	7/10/19
Tred Avon River	Talbot	8.2	Recorded	3/22/18	4/6/18	Yes	Yes			12/17/19
Wicomico River	St. Mary's	16.4	Survey	4/3/18	4/25/18	Yes				
Wicomico River	St. Mary's	19.9	Survey	4/3/18	4/25/18	Yes				
Wicomico River	St. Mary's	10.2	Complete	4/3/18	4/25/18	Yes				
St. Marys River	St. Mary's	19.8	Survey	4/3/18	4/25/18	Yes	Yes			
Tred Avon River	Talbot	14.6	GISRescreen	4/6/18	4/23/18	Yes	Yes			
Tred Avon River	Talbot	2.4	GISRescreen	4/11/18	4/23/18	Yes	Yes			
Tred Avon River	Talbot	2.3	GISRescreen	4/11/18	4/23/18	Yes	Yes			
Fishing Bay	Dorchester	19.1	Recorded	5/4/18	2/28/19	Yes				7/7/20
Patuxent River	Calvert	5	Recorded	5/10/18	7/16/18			Yes	Cages	11/4/19
Patuxent River	Calvert	1.7	Recorded	5/18/18	6/25/18			Yes	Cages	10/29/20
Chesapeake Bay	Anne Arundel	1.7	Recorded	6/5/18	6/6/18			Yes	Cages & Floats	7/10/19
Caulk Creek	Talbot	1.7	Recorded	6/22/18	8/2/18					11/4/19

St. Marys River	St Mary's	1	GISRescreen	6/25/18	6/26/18	Yes	Yes			
Lecompte Bay	Dorchester	28.7	GISRescreen	7/17/18	8/8/18		Yes			
Fishing Bay	Dorchester	39.6	Recorded	7/30/18	8/9/18	Yes		Yes	Cages	10/9/19
Shipping Creek	Queen Anne's	0.2	Recorded	8/2/18	8/15/18	Yes		Yes	Floating Upwellers	11/4/19
Herring Bay	Anne Arundel	31.2	Under Protest	8/10/18	8/10/18		Yes			
Purnell Bay	Worcester	1.9	Recorded	9/21/18	10/5/18			Yes	Cages	8/28/19
Chester River	Queen Anne's	5	Phase II	9/26/18	10/9/18			Yes	Cages & Floats	
Manokin River	Somerset	19.2	Recorded	10/11/18	1/29/19		Yes			8/24/20
Little Choptank River	Dorchester	8.8	Recorded	10/18/18	10/18/18		Yes			8/24/20
Patuxent River	St Mary's	26.9	Under Protest	11/20/18	12/21/18	Yes	Yes			
Patuxent River	Charles	10.5	Recorded	11/28/18	12/27/18	Yes	Yes			5/18/20
Patuxent River	Calvert	12.7	Recorded	11/28/18	12/27/18	Yes	Yes			5/18/20
Little Annessex River	Somerset	1.3	Survey	12/7/18	2/13/19			Yes	Cages	
Wicomico River	Somerset	60.3	Recorded	1/10/19	1/25/19	Yes				12/17/19
Choptank River	Dorchester	3.1	Phase II	1/24/19	2/25/19	Yes	Yes			
Choptank River	Talbot	5.6	Phase II	1/24/19	2/25/19	Yes	Yes			
Trippe Creek	Talbot	8.5	EnvirReview	2/5/19	2/22/19	Yes	Yes			
Manokin River	Somerset	28.9	Complete	2/13/19	2/22/19		Yes			
Tred Avon River	Talbot	9	EnvirReview	2/25/19	2/26/19	Yes	Yes			
Tred Avon River	Talbot	18.4	EnvirReview	3/4/19	3/4/19	Yes	Yes			
Harris Creek	Talbot	4.9	GISRescreen	3/12/19	3/19/19	Yes	Yes			
Chesapeake Bay	St. Mary's	41.6	On Hold	3/13/19	3/13/19		Yes			
Harris Creek	Talbot	9	GISRescreen	3/18/19	3/19/19	Yes	Yes			
Calvert Bay	St. Mary's	29.8	Under Protest	3/22/19	5/13/19	Yes				
St. George Creek	St. Mary's	18.9	Under Protest	3/22/19	4/8/19	Yes				
Manokin River	Somerset	4.5	Survey	4/1/19	8/15/19	Yes	Yes			
Manokin River	Somerset	10	Survey	4/1/19	8/15/19	Yes	Yes			
Manokin River	Somerset	6.3	Complete	4/1/19	8/15/19	Yes	Yes			
Wicomico River	St. Mary's	12.5	GISRescreen	4/3/19	6/20/19					
Patuxent River	St. Mary's	22.9	Survey	4/11/19	4/11/19		Yes			
Patuxent River	St. Mary's	37.8	Survey	4/11/19	4/11/19		Yes			
Harris Creek	Talbot	1.7	ARBScreen	4/16/19	4/30/19		Yes	Yes	Cages & Floats	
South River	Anne Arundel	0.4	GISRescreen	4/22/19	6/21/19					
Nanticoke River	Wicomico	30.1	Survey	5/3/19	5/15/19					
Goldsbrough Creek	Talbot	9.4	Phase II	5/16/19	7/23/19		Yes			
Harris Creek	Talbot	1.9	Phase II	5/28/19	6/14/19		Yes	Yes	Cages & Floats	
Smith Creek	St Mary's	13.2	Survey	5/29/19	7/26/19	Yes				
Chesapeake Bay	Calvert	12.3	GISRescreen	5/31/19	7/29/19	Yes	Yes	Yes	Cages	
Choptank River	Dorchester	5	Public Notice	6/4/19	8/19/19		Yes	Yes	Floats	
Choptank River	Talbot	13.2	GISRescreen	7/25/19	10/18/19					
Leadensham Creek	Talbot	15.3	Complete	7/29/19	12/18/19			Yes	Cages	
LeCompte Bay	Dorchester	51	Survey	8/12/19	10/2/19	Yes	Yes			
Nanticoke River	Dorchester	7.9	Complete	8/22/19	10/24/19		Yes			
Chesapeake Bay	Calvert	30	Phase II	9/3/19	2/13/20		Yes			
Crab Alley Bay	Queen Anne's	1.6	EnvirReview	9/5/19	10/28/19	Yes				
Patuxent River	St. Mary's	2	Phase II	9/5/19	2/24/20					
Tar Bay	Dorchester	40.4	EnvirReview	9/11/19	9/30/19					
Tred Avon River	Talbot	9.7	Phase II	9/19/19	2/9/20		Yes			
Little Choptank River	Dorchester	30.7	Complete	9/25/19	9/30/19		Yes			
Little Choptank River	Dorchester	44.4	Complete	10/1/19	10/1/19	Yes	Yes			
Monie Bay	Somerset	9.5	Phase II	10/18/19	10/18/19					
Wicomico River	Somerset	3.5	Complete	11/8/19	1/10/20	Yes				
Choptank River	Dorchester	12.7	Phase II	11/13/19	1/30/20		Yes			
Patuxent River	Calvert	3.5	Phase II	12/4/19	2/26/20	Yes		Yes	Cages	
Chesapeake Bay	Anne Arundel	1	Phase II	2/12/20	2/12/20					
Johnson Bay	Worcester	5.1	Phase II	2/28/20	2/28/20			Yes	Floats	
Cummings Creek	Talbot	2.5	Complete	3/3/20	4/23/20		Yes			
Carthagen Creek	St. Mary's	14.6	Incomplete	4/13/20			Yes			
Calvert Bay	St. Mary's	29.7	Complete	4/13/20	6/24/20	Yes				
Dukehart Channel	St Mary's	103.2	Complete	4/13/20	6/1/20					
Eastern Bay	Queen Anne's	25.9	Complete	4/16/20	5/13/20		Yes			
St. George Creek	St. Mary's	0.1	Complete	5/4/20	7/14/20					
Fishing Bay	Dorchester	14.7	Complete	5/22/20	6/2/20					
Wicomico River	Somerset		Incomplete	6/12/20			Yes			
Wicomico River	Charles	22.3	Complete	7/2/20	7/2/20					
Wicomico River	Charles	10	Complete	7/2/20	7/2/20	Yes				
Chincoteague Bay	Worcester	38.3	Incomplete	7/28/20			Yes	Yes	Floats	
Smith Creek	St. Mary's	7.3	Incomplete	8/9/20			Yes			
Smith Creek	St. Mary's	5.5	Incomplete	8/9/20			Yes			