



Oyster spat collection update Caraquet Bay

Last updated: July 30th, 2018

Oyster larvae measuring more than 300 microns were observed on July 20, 2018. The DAAF suggests to placing collectors in Caraquet Bay starting on July 20, 2018.

At the time of the latest observations, not enough oyster larvae were present in the samples to generate an average. For more information, refer to the Monitoring of larvae in plankton table below.

Notice: When the larvae measure more than 300 microns and have a distinctive black dot (“eyed” larvae), the collectors must be set in the water. Producers must therefore be prepared for this stage, which can occur two to three weeks after the oysters spawn.

Monitoring of larvae in plankton

Sampling date	Size of larvae (in microns)	Presence of eyed larvae
July 30 th 2018	N/A	no
July 27 th 2018	157µ	no
July 25 th 2018	217µ	yes
July 23 th 2018	213µ	yes
July 20 th 2018 *	180µ	yes
July 19 th 2018	142µ	no
July 16 th 2018	178µ	no
July 13 th 2018	135µ	no
July 11 th 2018	115µ	no

*Notification date - recommendation for deployment of collectors

Attachment to sea scallop shells

Date removed from water	Station 1		Station 2		Station 3	
	Bottom	Surface	Bottom	Surface	Bottom	Surface
July 30 th 2018	0	0	0	0	0	0
July 27 th 2018	0	0	0	0	0	0
July 25 th 2018	0	0	1	0	0	0

Information

For more information on oyster spat collection in Caraquet Bay, contact either of the following biologists of the Department's regional team:

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Gonad observation

Adult oyster sampling for gonad observation began on June 4th, 2018. The average gonadal development percentage is currently 34,7 %.

The oysters started releasing their gametes (65,3 % - ova and sperm) on July 3th. Collector liming is therefore strongly recommended at this time

Sampling date	Station	Gonadal development percentage	Spawning percentage
July 13 th 2018	1	31,0	69,0
July 13 th 2018	2	19,0	81,0
July 13 th 2018	3	54,0	46,0
July 9 th 2018	1	56,0	44,0
July 9 th 2018	2	45,6	54,4
July 9 th 2018	3	42,0	58,0
July 6 th 2018	1	66,5	33,5
July 6 th 2018	2	45,0	55,0
July 6 th 2018	3	45,0	55,0
July 3 th 2018 *	1	57,0	43,0
July 3 th 2018	2	68,0	32,0
July 3 th 2018	3	70,0	30,0
June 28 th 2018	1	66,0	
June 28 th 2018	2	44,5	
June 28 th 2018	3	58,0	
June 25 th 2018	1	54,0	
June 25 th 2018	2	44,4	
June 25 th 2018	3	60,0	
June 22 th 2018	1	21,0	
June 22 th 2018	2	45,0	
June 22 th 2018	3	15,5	
June 15 th 2018	1	24,5	
June 15 th 2018	2	18,5	
June 15 th 2018	3	14,0	

June 15 th 2018	1	6,9	
June 15 th 2018	2	13,4	
June 15 th 2018	3	12,5	
June 11 th 2018	1	10	
June 11 th 2018	2	8,9	
June 11 th 2018	3	7,5	
June 8 th 2018	1	3	
June 8 th 2018	2	5	
June 8 th 2018	3	6,5	
June 4 th 2018	1	4	
June 4 th 2018	2	0	
June 4 th 2018	3	1.5	

*Date of first notice - recommendation for collector liming