



Oyster spat collection update Bouctouche Bay

Last updated: August 16, 2018

As of August 16 2018, the majority of the oyster larvae measured were **124,8 microns** and the largest was **208 microns**. For more information, refer to the “Monitoring of oyster larvae in plankton” table below.

Monitoring of oyster larvae in plankton

Sampling date	Size of the majority of the larvae measured (in microns)	Size range of larvae (in microns)	Presence of eyed larvae
August 16, 2018	124.8	104 - 208	no
August 13, 2018	156	114,4 - 312	yes
August 7, 2018	104	104 – 270,4	no
August 2 nd , 2018	114,4	93.6 – 322.4	yes
July 31, 2018	104	72.8 – 332.8	yes
July 27, 2018	104	83.2 - 312	yes
July 23, 2018	332.8	124.8 - 332.8	yes
July 20, 2018	312	93.6 – 343.2	yes
July 18, 2018	312	260 – 332.8	yes
July 16, 2018	291.2	93.6 - 312	yes
July 13, 2018	124.8	83.2 – 239.2	no
July 11, 2018	104	83.2 - 208	no
July 9, 2018	104	93.6 - 156	no
July 6, 2018	104	83.2 – 114.4	no
July 4, 2018	83.2	83.2 – 114.4	no
July 3 rd , 2018	72.8	62.4 – 104	no

Attachment to sea scallop shells

Date removed from water	Fond de la Baie	
	Bottom shell	Surface shell
August 16, 2018	50	6
August 13, 2018	79	1
August 7, 2018	6	0
August 2 nd , 2018	41	13
July 31, 2018	86	13
July 27, 2018	100	9
July 23, 2018	75	13
July 20, 2018	54	17
July 18, 2018	31	7
July 16, 2018	2	1
July 13, 2018	0	0
July 11, 2018	0	0
July 9, 2018	0	0
July 6, 2018	0	0

Monitoring of water temperature and salinity

Sampling date	Temperature (°C)	Salinity (ppt)
August 16, 2018	24.0	26.8
August 13, 2018	23.7	26.5
August 7, 2018	25.3	26.4
August 2 nd , 2018	24.6	26.5
July 31, 2018	24.4	26.3
July 27, 2018	20.2	26.2
July 23, 2018	25.5	25.8
July 20, 2018	23.0	25.8
July 18, 2018	23.7	25.8
July 16, 2018	23.3	26.0
July 13, 2018	21.7	25.9
July 11, 2018	22.0	25.7
July 9, 2018	21.1	25.6
July 6, 2018	24.4	25.8
July 4, 2018	22.2	25.2
July 3 rd , 2018	20.5	25.7
June 29, 2018	19.4	24.7
June 26, 2018	15.2	25.1
June 22, 2018	18.1	24.7
June 19, 2018	16.0	20.4
June 15, 2018	13.8	20.4
June 11, 2018	13.4	23.6
June 6, 2018	11.7	24.4
June 1, 2018	18.6	24.4
May 14, 2018	10.2	21.3

Monitoring of other larvae in plankton

Sampling date	Presence of mussels		Presence of barnacles	
	Pre-setting stage	Setting stage	Pre-setting stage	Setting stage
August 16, 2018	no	no	no	no
August 13, 2018	no	no	no	no
August 7, 2018	no	no	no	no
August 2 nd , 2018	no	no	no	no
July 31, 2018	no	no	no	no
July 27, 2018	no	no	no	no
July 23, 2018	no	no	no	no
July 20, 2018	no	no	no	yes
July 18, 2018	no	no	no	yes
July 16, 2018	no	no	yes	yes
July 13, 2018	no	no	yes	yes
July 11, 2018	no	no	yes	yes
July 9, 2018	no	no	yes	yes
July 6, 2018	no	no	yes	yes
July 4, 2018	no	no	yes	yes
July 3 rd , 2018	no	no	yes	no
June 29, 2018	no	no	yes	no
June 26, 2018	no	no	yes	no
June 22, 2018	no	no	few	no
June 19, 2018	no	no	no	no
June 15, 2018	no	no	no	no
June 11, 2018	no	no	no	no
June 6, 2018	no	no	few	no
June 1, 2018	no	no	no	no

Pre-setting stage: larvae are not ready to set yet.

Setting stage: larvae are ready to set.

Gonad observation: Wild Oysters

Sampling date	Gonadal development percentage
July 18, 2018	4
July 16, 2018	30.5
July 11, 2018	36
July 9, 2018	31
July 6, 2018	37
July 3rd, 2018	53
June 29, 2018	68
June 26, 2018	63
June 22, 2018	55
June 19, 2018	49.5
June 15, 2018	50.5
June 11, 2018	45.0
June 6, 2018	33.0

Gonad observation: Cultivated Oysters

Sampling date	Gonadal development percentage
August 7, 2018	21
July 27, 2018	15
July 23, 2018	21.5
July 20, 2018	30.5
July 18, 2018	24
July 16, 2018	46.0
July 13, 2018	47.5
July 11, 2018	40
July 9, 2018	47.5
July 6, 2018	51.5
July 3rd, 2018	60.5
June 29, 2018	72
June 26, 2018	68
June 22, 2018	62
June 19, 2018	64
June 15, 2018	56
June 11, 2018	54
June 6, 2018	45.5

Information

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

Marie-Josée Maillet
Shellfish Biologist
Telephone: 506-743-7222
Marie-Josée.Maillet@gnb.ca

Marcel Léger
Aquaculture Technician
Telephone: 506-743-7222
Marcel.Leger@gnb.ca