



# Oyster spat collection update Cocagne Bay

Last updated: August 15, 2018

As of August 14 2018, the majority of the oyster larvae measured were **104 microns** and the largest were **322,4 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 observed (in microns)	Size range of larvae (in microns)	Presence of eyed larvae
<b>August 14, 2018</b>	<b>104</b>	<b>83,2 – 322,4</b>	<b>yes</b>
August 9, 2018	208	104 – 322,4	<b>yes</b>
July 30, 2018	104	83.2 - 312	<b>yes</b>
July 24, 2018	114.4	93,6 - 312	<b>yes</b>
July 20, 2018	301.6	72.8 – 301.6	<b>yes</b>
July 17, 2018	312	83.2 – 332.8	<b>yes</b>
July 13, 2018	228.8	114.4 - 260	yes
July 10, 2018	156	83.2 – 187.2	no
July 4, 2018	72.8	72.8 – 93.6	no

## Attachment to sea scallop shells

Date removed from water	Fond de la Baie	
	Bottom shell	Surface shell
<b>August 14, 2018</b>	<b>226</b>	<b>87</b>
August 9, 2018	<b>105</b>	<b>56</b>
July 30, 2018	<b>133</b>	<b>11</b>
July 24, 2018	<b>621</b>	<b>101</b>
July 20, 2018	<b>1035</b>	<b>226</b>
July 17, 2018	<b>1300</b>	<b>180</b>
July 13, 2018	0	0
July 10, 2018	0	0

## Monitoring of water temperature and salinity

Sampling date	Temperature (°C)	Salinity (ppt)
<b>August 14, 2018</b>	<b>24.3</b>	<b>27.5</b>
August 9, 2018	25.0	27.2
July 30, 2018	25.7	27.4
July 24, 2018	25.7	27.1
July 20, 2018	23.4	26.7
July 17, 2018	23.9	26.8
July 13, 2018	23.0	26.3
July 10, 2018	21.7	26.4
July 4, 2018	24.3	26.0
June 28, 2018	18.3	24.4
June 22, 2018	19.4	24.7
June 18, 2018	15.5	24.4
June 11, 2018	13.7	22.4
June 7, 2018	13.4	20.4
May 17, 2018	11.2	24.3

## Monitoring of other larvae in plankton

Sampling date	Mussels		Barnacles	
	Pre-setting stage	Setting stage	Pre-setting stage	Setting stage
<b>August 14, 2018</b>	<b>no</b>	<b>no</b>	<b>no</b>	<b>no</b>
August 9, 2018	no	no	no	no
July 30, 2018	no	no	no	no
July 24, 2018	no	no	no	no
July 20, 2018	no	no	no	yes
July 17, 2018	no	no	yes	yes
July 13, 2018	no	no	yes	yes
July 10, 2018	no	no	yes	yes
July 4, 2018	no	no	yes	yes
June 28, 2018	yes	yes	yes	no
June 22, 2018	few	few	yes	no
June 11, 2018	no	no	no	no
June 7, 2018	no	no	no	no

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

**Setting stage:** larvae are ready to set.

## ***Gonad observation***

Sampling date	Gonadal development percentage
July 17, 2018	7.5
July 10, 2018	37.5
July 4, 2018	44.5
June 28, 2018	63.5
June 22, 2018	59
June 18, 2018	54
June 11, 2018	47.5
June 7, 2018	40.5

## ***Information***

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

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