



# Oyster spat collection update Neguac Bay

Last updated: July 18, 2023

**Eyed larvae were observed for the first time in sample.  
This is an indication that oyster larvae are ready to settle.  
It is recommended to deploy the collectors in the Neguac Bay.**

The average water temperature at the time samples were taken was **24.0°C**.

\*\*Presence of biofouling: barnacles larvae setting stage

## Monitoring of oyster larvae in plankton

Sampling date	Average size of the larvae observed (in microns)	Size range of larvae (in microns)	Presence of eyed larvae
<b>July 18, 2023</b>	<b>238.6</b>	<b>126.1 – 373.7</b>	<b>Yes</b>
July 12, 2023	110.4	77.5 – 306.0	Yes

**Notice:** When oyster 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.

## Gonad observation

Sampling date	Station	Gonadal development percentage	Spawning percentage
July 12 <sup>th</sup> , 2023	Inlet	41.0%	36.3%
July 12 <sup>th</sup> , 2023	Inside Bay	28.0%	48.0%

## Monitoring of water temperature and salinity

Sampling date	Temperature (°C)	Salinity (ppt)
<b>July 18<sup>th</sup>, 2023</b>	<b>24.0</b>	<b>22.0</b>
July 12 <sup>th</sup> , 2023	21.8	23.2

## Monitoring of other larvae in plankton (biofouling)

Sampling date	Presence of mussels		Presence of barnacles	
	Pre-setting stage	Setting stage	Pre-setting stage	Setting stage
<b>July 18<sup>th</sup>, 2023</b>	<b>No</b>	<b>No</b>	<b>Yes</b>	<b>Yes</b>
July 12 <sup>th</sup> , 2023	No	No	Yes	Yes

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

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

## Information

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

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