



Oyster spat collection update Bouctouche Bay Last updated: August 14, 2023

Oyster spawn was observed for the first time this season on June 26, 2023

Oyster sampling for gonad observation began on June 9, 2023.

The average gonadal development percentage is currently -%.

The average water temperature at the time samples were taken was **20.2°C**.

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
August 14, 2023	-	-	-
July 31, 2023	208	156.0-312	Yes
July 24, 2023	156.0	72.8-312	Yes
July 19, 2023	156.0	72.8-312	Yes
July 14, 2023	124.8	72.8-312	Yes
July 10, 2023	72.8	72.8-312	Yes
July 6, 2023	72.8	72.8-156.0	No
July 4, 2023	72.8	72.8-135.2	No
June 29, 2023	72.8	72.8-104	No
June 26, 2023	72.8	72.8-83.2	No

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	Gonadal development percentage
July 14, 2023	-
July 10, 2023	15
July 6, 2023	47.5
July 4, 2023	30
June 29, 2023	47
June 26, 2023	55
June 21, 2023	55
June 14, 2023	45
June 09, 2023	31

Monitoring of water temperature and salinity

Sampling date	Temperature (°C)	Salinity (ppt)
August 14, 2023	20.2	27.4
July 31, 2023	21.5	28.2
July 24, 2023	24.7	26.4
July 19, 2023	23.8	24.8
July 14, 2023	24.8	24.2
July 10, 2023	25.1	23.4
July 6, 2023	20.2	24.5
July 4, 2023	20.2	24.3
June 29, 2023	21.2	24.2
June 26, 2023	17.9	25.2
June 21, 2023	14.8	25.5
June 14, 2023	17.3	23.4
June 09, 2023	11.5	26.9

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
August 14, 2023	No	No	No	No
July 31, 2023	No	No	No	No
July 24, 2023	No	No	No	No
July 19, 2023	No	No	Yes	Yes
July 14, 2023	Yes	No	No	No
July 10, 2023	No	No	No	No
July 6, 2023	Yes	Yes	Yes	Yes
July 4, 2023	Yes	Yes	Yes	Yes
June 29, 2023	No	No	Yes	No
June 26, 2023	No	No	No	No
June 21, 2023	No	No	Yes	No
June 14, 2023	No	No	No	No
June 09, 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 Bouctouche Bay, contact either of the following personnel of the Department's regional team:

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