To submit your observations during the season, or if you have any questions, you can contact:



Capelin Observers Network (CON) Téléphone : 1-877-227-6853

Courriel: ROC-CON@dfo-mpo.gc.ca

Web site: www.qc.dfo-mpo.gc.ca/signaler-report/capelan-fra.asp

Fisheries and Oceans Canada would like to thank the organizations listed opposite for their support in promoting the Network and its data collection activities. Thanks to these organizations, more people are learning about the Capelin Observers Network, which is essential to its objectives.



Comité ZIP Baie des Chaleurs - Tel. 418-759-5880

Email: zonebdc@globetrotter.net Web site:

www.zipbaiedeschaleurs.ca



Comité ZIP du Sud-de-l'Estuaire - Tel. 418-722-8833

Email: <u>zipse@globetrotter.net</u> Web site: <u>www.zipsud.org</u>



Comité ZIP de la rive nord de l'estuaire

Tel. 418-296-0404 Email: zip.rne@zipnord.qc.ca

Web site: www.zipnord.qc.ca



Comité ZIP Côte-Nord du Golfe - Tel : 418-968-8798 Email : info@zipcng.org Web site : www.zipcng.org



Réseau d'observation de mammifères marins (ROMM)

Email: info@romm.ca Tel. 418-867-8882

Web site: www.romm.ca



Conseil régional de l'environnement Gaspésie-Îles-de-la-

Madeleine - Tel. 418-534-4498

Email: cregim@globetrotter.net Web site: www.cregim.org



Le Réseau des observateurs sous-marins (ROSM)

Tel. 418-739-4254 or 418-737-4628 Web site:

www.rosm.ca



Amphibia-Nature - Tel. 418-782-1808

Email: info@amphibia-nature.org Web site:

www.amphibia-nature.org



Gros Morne Beach Watch Tel.: 709-458-3567

Email: grosmornebeachwatch@gmail.com

Facebook: http://www.facebook.com/grosmornebeachwatch



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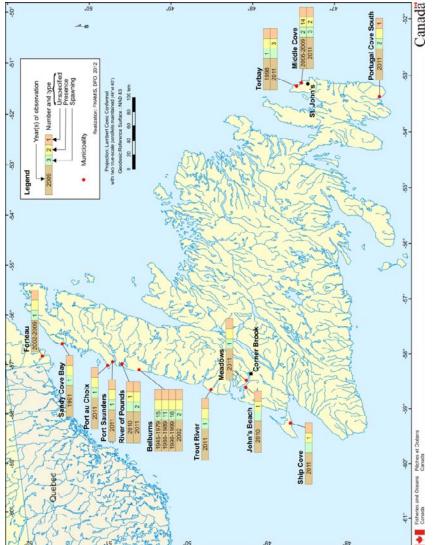


Figure 15 : Location of observation of capelin spawning or presence in Newfoundland and Labrador between 1945 and 2011.

Since the start of observation in Newfoundland and Labrador, capelin spawning has been observed mainly in June and, to a lesser extent, July.

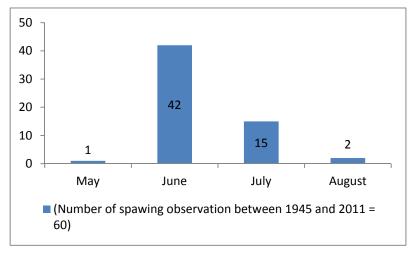


Figure 14: Period of observation of capelin spawning in Newfoundland and Labrador between 1945 and 2011.

Capelin Observers Network (CON)

The Capelin Observers Network was established to gather more information about capelin spawning sites and habits in the Estuary and Gulf of St. Lawrence. Efforts to monitor capelin spawning began in 2002 on the North Shore. In 2003, Fisheries and Oceans Canada (DFO), Quebec Region, and various partners, including a number of ZIP (areas of prime concern) committees, developed a network to collect data on capelin reproduction.

From 2002 to 2009, the number of network observers and observations increased steadily, resulting in a clearer general portrait of the distribution of capelin coastal spawning areas. Less information was collected during the 2010 season; during the 2011 season, however, the number of observers and observations increased once again, with 66 observers reporting 184 observations. A new observation zone, Newfoundland and Labrador, was also added in 2011, contributing to the higher number of observations.

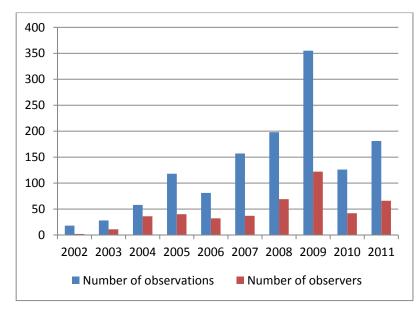


Figure 1: Changes in the number of CON observers and observation reports.

This new knowledge about the spawning site locations and habits of the capelin is enhancing our understanding of this essential link in the

St. Lawrence ecosystem. It also helps to improve the protection of spawning sites, particularly during the breeding and incubation period. Measures to mitigate the impacts on habitats can also be recommended when work takes place near spawning sites. The information gathered through the Capelin Observers Network may contribute to greater understanding of the impacts of human activities and climate change, including bank erosion and beach modification, on the capelin's life cycle.

Observers are invited to take part in the Capelin Observers Network by visiting our Internet registry at http://www.qc.dfo-mpo.gc.ca/signaler-report/roc-con/capelan-capelin-eng.asp or calling 1-877-227-6853.

Your participation in the Network in 2012 is necessary for monitoring capelin spawning and identifying new trends or confirming those identified in previous years. It is also important to carefully document your observations.

NEWFOUNDLAND AND LABRADOR

The Newfoundland and Labrador zone includes all municipalities throughout that province.

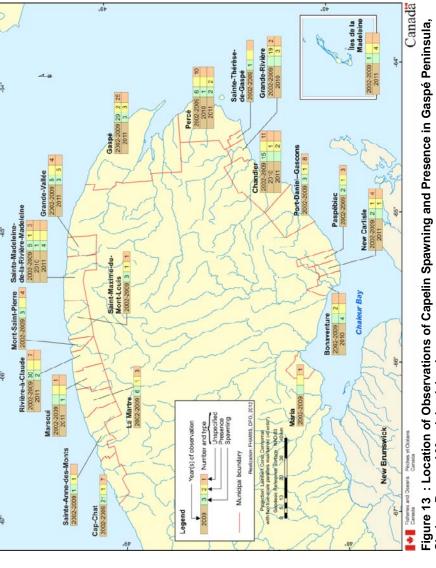
Observations

In 2011, seven observers reported 11 observations involving spawning and six of capelin presence in this zone.

Table 10: Dates of observation of capelin spawning or presence between 1945 and 2011 in Newfoundland and Labrador.

Location	1945 - 2009	2010	2011
Forteau, Labrador	July 2008		
Sandy Cove Bay	August 1991		
Port au Choix			June: 27
Port Saunders			June: 27
River of Pounds		June: 29‡	June: 13, 27
Belburns	June - July 1945 - 1979 May - June 1980 - 1989 June - July 1990 - 1999 June 2002		
Trout River			June: 27
Meadows			June: 18
John's Beach		March: 14 [‡]	
Ship Cove			June: 28‡
Portugal Cove South			June: 22, 23 July: 14‡
Middle Cove	July 2006, 2008 June - July 2007 July - September 2009		June: 27, 29 July: 4‡, 7‡, 18
Torbay	August 1998		June: 29‡ July: 4‡, 7‡

Names in parentheses denote sections of municipalities. ‡ Denotes date of observation of capelin presence without mention of spawning.



Cana Figure 13:Location of Observations of Capelin Spawning and Presence in Gaspé Peninsula, Chaleur Bay and Magdalen Islands.

Capelin Spawning Habits

The Network has collected 1,469 observations since its founding. Of these, 800 observations involved spawning activity, 287 observations were of signs of capelin presence and 382 other observations did not indicate clearly whether spawning or some other type of activity was taking place. The information gathered, including the date and time of each observation, tidal conditions and the type of spawning site, is helping to reveal trends that can assist in answering questions such as: Do capelin spawn more frequently at night? Do they prefer high tide? What type of substrate do they prefer?

Time of Day

Capelin appear to spawn more frequently when it is dark, at least when this activity takes place in near-shore environments. According to the Network data, spawning is observed five times as often during the night, or between 6:00 p.m. and 6:00 a.m., than at other times of day.

Table 1: Percentage of capelin spawning observations by time of day.

Time of Day	Number of Observations	Percentage (%)
Day (6:00 a.m 5:59 p.m.)	148	20
Night (6:00 p.m 5:59 a.m.)	592	80

(Number of spawning observations between 2002 and 2011 with time-ofday information = 740)

<u>Tides</u>

Comparing spawning observations against tidal information reveals that capelin are 12% more likely to spawn during the rising tide than the falling tide.

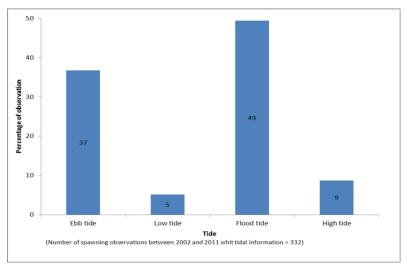


Figure 2: Percentage (%) of capelin spawning observations by tidal cycle.

Spawning Site Type

According to the great majority of observations, spawning occurs on sandy beaches. However, the data collected do not specify the substrate diameter. Spawning also takes place on gravel beaches slightly more than 10% of the time.

Table 2: Percentage of capelin spawning observations by substrate type.

Substrate	Number of Observations	Percentage (%)
Sand	423	86
Gravel	63	13
Pebbles	7	1
Bedrock	1	0

(Number of spawning observations between 2002 and 2011 with substrate information = 494)

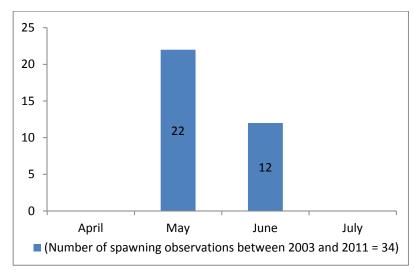


Figure 14: Period of observation of capelin spawning in Chaleur Bay between 2003 and 2011.

MAGDALEN ISLANDS - GULF

The Magdalen Islands zone encompasses all islands in that archipelago.

Observations

The first observation of capelin presence in this zone since the Network's founding was reported in June 2008 at Cap de l'hôpital in Fatima by lobster and flounder fishers. In 2011, two observers made four observations of capelin presence on the beach at Pointe-aux-Loups and at Étang-du-Nord between June 21 and July 1.

Table 9: Dates of observation of capelin spawning or presence between 2008 and 2011 in Magdalen Islands.

Location	2008 - 2009	2010	2011
Fatima	June 2008		
Étang-du-Nord			June: 27‡
Pointe-aux-Loups			June: 21‡, 30‡
i olitic-aux-Loups			July: 1‡

[‡] Denotes date of observation of capelin presence without mention of spawning.

Location	2002 - 2009	2010	2011
	2009		
Port-Daniel-Gascon (Port-Daniel)	May - June 2003, 2009		
	May 2005 - 2009		
Chandler (Newport)	June 2006, 2008, 2009	May: 13‡	June: 21 [‡]
Chandler (Chandler)	June 2006, 2008 2007		June: 6 [‡]
Chandler (Pabos)	May 2006 June 2008		
	2006	April: 29‡	
Grande-Rivière	May - July 2009	May: 13 [‡] , 20 [‡]	
Sainte-Thérèse-de- Gaspé	May 2008		
Percé (Percé)	May - June 2009	May: 31	June: 29
	June 2005, 2007		
Percé	May 2009		June: 15
(Anse-à-Beaufils)	June 2008		
Percé (Barachois)	May - June 2009		July: 7‡

Names in parentheses denote sections of municipalities. ‡ Denotes date of observation of capelin presence without mention of spawning.

Since 2003 in Chaleur Bay, capelin spawning has been observed mainly in May and, to a lesser extent, June.

Are there more or fewer capelin in 2011?

This question is difficult to answer because capelin abundance has never been tracked on a year-over-year basis. Based on data collected by the Network between 2006 and 2009, the majority of observers noted that the quantity of capelin spawning was high. This trend was less pronounced in 2010, although it is also to be noted that the numbers of observers and observations dropped between 2009 and 2010. It cannot be concluded from this, however, that fewer capelin were coming in to shore. There were more observers and observations in 2011 than in 2010. One regular observer in Saint-Irénée noted that there appeared to be fewer capelin that year, perhaps because the fish remained further offshore in that particular area.

For most of the observations involving spawning activity, the observers noted that the capelin were present in abundant numbers. In the majority of cases, however, the quantity of capelin spawning was either not specifically evaluated or was unknown.

Table 3: Compiled evaluations of the quantity of capelin spawning as a percentage.

Year	High	Average	Low
2006	63	12	25
2007	66	17	17
2008	58	21	21
2009	46	29	25
2010	44	30	26
2011	52	30	18

Many factors may influence the quantity of capelin spawning onshore. For example, spawning variations could occur due to a mild preceding winter or changes in ice cover or freshwater levels.

According to some observers, capelin runs took place in 2011 around the same date and in quantities comparable to those in other years in their areas. Others reported that the capelin began running later in 2011.

Observations on the 2011 Season by Zone

A total of 184 observations were reported in 2011. Of these, 94 involved spawning, 85 signs of capelin presence and 5 the absence of capelin. These observations were made in 32 different areas and on 19 beaches

or sections of beaches. Seven new sites were surveyed in Quebec: Grand-Ruisseau (Port Cartier), Rivière Brochu (Sept-Îles), Rivière-aux-Graines (Rivière-au-Tonnerre), l'Anse-à-Valleau (Gaspé), l'Anse-aux-Amérindiens (Gaspé), Pointe-aux-Loups (Magdalen Islands) and Étang-du-Nord (Magdalen Islands). The observations were compiled in table form accompanied by maps. This year once again, observations involving spawning or signs of capelin presence (e.g., presence of diving birds or dead capelin on the beach) were highlighted in the results tables by placing a symbol (‡) next to the date.

For practical reasons, the Estuary and Gulf of St. Lawrence were divided into eight observation zones as illustrated on the following page.

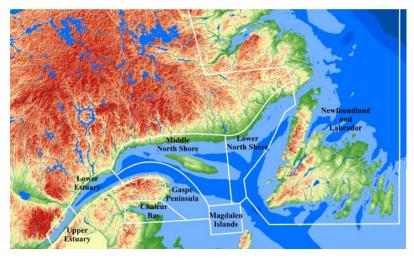


Figure 3: Observation zones of the Capelin Observers Network.

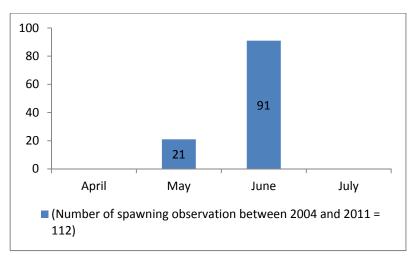


Figure 12 : Period of observation of capelin spawning in Gaspé Peninsula between 2004 and 2011.

CHALEUR BAY - GULF

The Chaleur Bay zone covers the southern Gaspé Peninsula from the mouth of the Restigouche River to Percé (Barachois area).

Observations

In 2011, six observers reported seven observations in this zone, two of which involved spawning.

In early July, residents of Barachois contacted Quebec's Ministère du Développement durable, de l'Environnement et des Parcs complaining about an odour coming off of decomposing capelin. The fish appeared to have been dragged by the tide into the pond area, where they had become trapped.

Table 8: Dates of observation of capelin spawning or presence between 2003 and 2011 in Chaleur Bay.

Location	2002 - 2009	2010	2011
Maria	May 2005		
Bonaventure	May 2009	May: 12 - 15	
New Carlisle	May 2005 - 2007, 2009		May: 28 [‡]
Paspébiac	May 2003 - 2005,		

Location	2004 - 2009	2010	2011	
Gaspé (Anse-à-Valleau)			June: 23	
Gaspé (Saint-Maurice-de-l'Échourie)	2005 - 2007			
Gaspé (Petit-Cap)	June 2009			
Gaspe (reili-Cap)	July - August 2005			
Gaspé (Rivière-au-Renard)	May - June 2007			
Gaspe (Kivicie-au-Keilaiu)	Mid-June 2006			
Gaspé (Cap-des-Rosiers)	June 2005 - 2009		June: 15	
Gaspé (Anse-aux-Amérindiens)			June: 21	
Gaspé (Cap-Bon-Ami)	May - June 2007			
Gaspé (Cap-aux-Os)	May - June 2007			
Gaspe (Cap-aux-Os)	June 2004			
	May 2009			
Casná (Casná)	May - June 2007		May: 23 [‡] , 27 [‡] , 29 [‡]	
Gaspé (Gaspé)	June 2004 - 2006			
	July 2004			

Names in parentheses denote sections of municipalities. ‡ Denotes date of observation of capelin presence without mention of spawning.

According to the Network data, capelin spawning in the northern Gaspé Peninsula begins in late May and is observed mainly in June.

MIDDLE ESTUARY

This zone extends to both sides of the Middle St. Lawrence Estuary from Saint-Joachim to Baie-Sainte-Catherine on the north shore and from Montmagny to Cacouna on the south shore.

Observations

In 2011, capelin were seen on shores in the Middle Estuary area between April 23 and June 18. A total of 26 observations of capelin presence were reported by two observers. No spawning was observed.

Table 4: Dates of observation of capelin spawning or presence between 2003 and 2011 in Middle Estuary.

Location	2003 - 2009	2010	2011
	April - May 2003		April: 23 [‡] - 25 [‡]
Saint-Irénée	May - June 2004, 2006, 2008	April: 15‡, 20‡ - 23‡, 25‡, 28‡ - 30‡	May: 1 [‡] - 4 [‡] , 8 [‡] - 10 [‡] , 15 [‡] , 16 [‡] , 19 [‡] , 24 [‡] - 26 [‡] ,
	May - July 2005	May: 1 [‡] , 6 [‡] , 7 [‡]	28‡ - 30‡
	April - June 2009		June: 9‡ - 12‡
La Malbaie (Port-au-Saumon / Anse aux Indiens)	June 2005, 2009		
Île-aux-Coudres	June 2007	May: 28‡ - 29‡	April: 23‡
lie-aux-coudies	April - early June 2008	Iviay. 20* - 29*	April. 23*
Kamouraska	June 2003		
Rivière-du-Loup	June 2009	May: 29 [‡]	
Rivière-Ouelle		May: 29‡	June: 15‡, 18‡

Names in parentheses denote sections of municipalities. ‡ Denotes date of observation of capelin presence without mention of spawning.

Since 2003, capelin spawning in the Middle Estuary has been observed mainly in May and June and appears to peak in May.

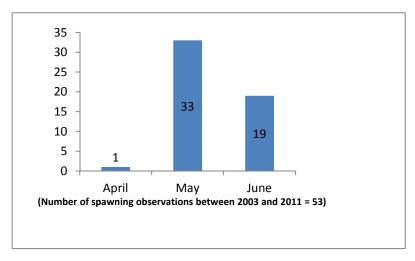


Figure 4 : Period of observation of capelin spawning in Middle Estuary between 2003 and 2011.

NORTHERN GASPÉ PENINSULA - GULF

This zone covers the north shore and tip of the Gaspé Peninsula from Cap-Chat (Capucins area) to Gaspé.

Observations

In 2011, 11 observers reported 13 observations of capelin spawning between June 15 and 24, up from just three in 2010. Observations were made in two new areas: Anse-à-Valleau and Anse-aux-Amérindiens.

Table 8: Dates of observation of capelin spawning or presence between 2004 and 2011 in Gaspé Peninsula.

Location	2004 - 2009	2010	2011
Cap-Chat (Capucins)	June 2004		
Cap-Chat (Cap-Chat)	May - June 2007, 2008, 2010		
	June 2004, 2006		
La Martre	June 2004, 2006, 2007		
La Maille	May - June 2009		
Sainte-Anne-des-Monts	May 2008		
Salitie-Altite-des-iviolits	June 2009		
Marsoui	June 2004		June: 21
	May - June 2008		_
Rivière-à-Claude	June 2004 - 2007, 2009	July: 7, 9	June: 20, 24
	July 2004		
Mont-Saint-Pierre	June 2008, 2009		_
Work-Saint-Field	July 2004		
Saint-Maxime-du-Mont-Louis (Mont-Louis)	June 2005, 2008	June	
Saint-Maxime-du-Mont-Louis (L'Anse-Pleureuse)	May - June 2009		
Sainte-Madeleine-de-la-Rivière- Madeleine (Manche-d'Épée)	June 2004, 2005		
Sainte-Madeleine-de-la-Rivière- Madeleine (Rivière-Madeleine)	June 2004, 2008, 2009	June: 9	June: 20 - 22
	June 2004, 2006 - 2009		June:
Grande-Vallée	July 2006		14‡ - 16‡, 17, 18‡, 19‡, 20,
	August 2005		21

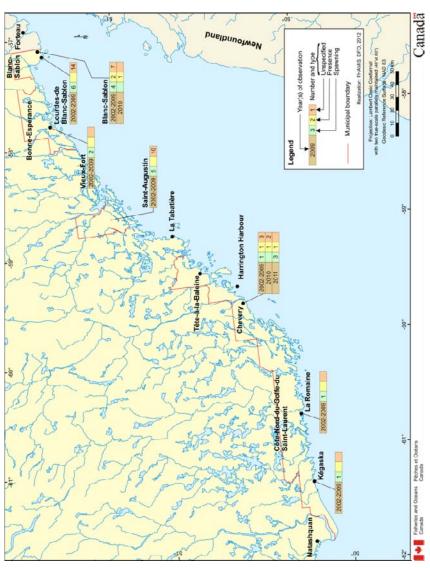


Figure 11 : Location of observations of capelin spawning or presence on the Lower North Shore between 2002 and 2011.

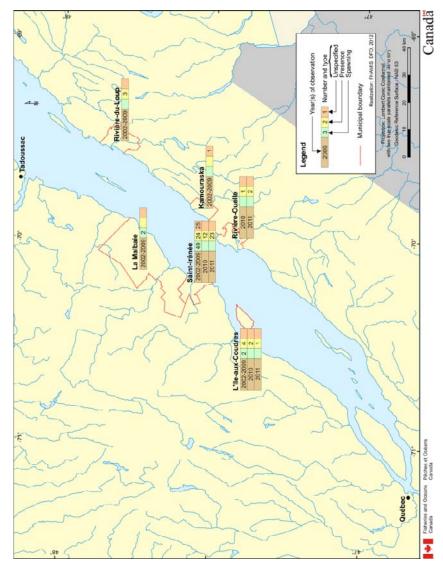


Figure 5 : Locations of observation of capelin spawning and presence in Middle Estuary between 2003 and 2011.

LOWER ESTUARY

This zone covers both shores of the Lower St. Lawrence Estuary from Tadoussac to Baie-Trinité (Pointe-des-Monts) on the north shore and from Isle-Verte to Les Méchins on the south shore.

Observations

In 2011, a total of 13 observations were reported by 12 observers. Of these observations, seven involved spawning. All observations were made between May 25 and July 4.

Table 5: Dates of observation of capelin spawning or presence between 2003 and 2011 in Lower Estuary.

Location	2003 - 2009	2010	2011		
	NORTH SHORE				
Tadoussac	June 2009	June: 14 - 20‡			
Les Escoumins	April 2003				
Portneuf-sur-Mer	May 2003, 2007, 2008	May: 21, 25			
	May - June 2004 - 2006, 2009	July: 12 [‡]	May: 25		
Forestville	June 2009				
Colombier	May 2005, 2007 - 2009, June 2005				
Baie-Comeau	June: 7 [‡] , July: 6 [‡]		July: 4 [‡]		
Godbout	June: 6, July: 7				
	SOUTH SH	ORE			
Saint-Simon	June 2003				
(Saint-Simon-sur-Mer)	May 2009				
	May 2006				
Saint-Fabien (Saint-Fabien-sur-Mer)	June 2003 - 2005, 2008				
	May - July 2009				
Rimouski (Bic – Anse à Mouille-Cul)		July: 11‡			
Rimouski (Cap-à-l'Orignal)	June: 19 [‡]				
Rimouski (Rivière-Hâtée)	June 2007, 2009				

Since 2002, capelin spawning in the Lower North Shore has been observed mainly in June and early July.

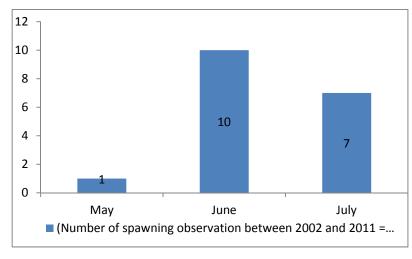


Figure 10: Period of observation of capelin spawning in Lower North Shore between 2002 and 2011.

LOWER NORTH SHORE - GULF

The Lower North Shore zone extends from Natashquan (Pointe du Vieux Poste area east of the Natashquan River) to the Labrador border.

Observations

In 2011, one observer reported three observations involving spawning and one of capelin presence in this zone.

Table 7: Dates of observation of capelin spawning or presence between 2002 and 2011 in Lower North Shore.

Location	2002 - 2009	2010	2011
North Shore, Gulf of St. Lawrence (Kégaska)	May 2008		
North Shore, Gulf of St. Lawrence (Chevery)	June 2004, 2005, 2008		July: 1, 17‡
St. Lawrence (Glievery)	July 2006, 2009		
Bonne-Espérance (Vieux-Fort)	June 2002, 2009	June: 20‡	
Bornic Esperance (Vicux Fort)	June 2002, 2007	July: 20 [‡]	
Blanc-Sablon	June 2002, 2006 - 2008		
(Lourdes-de-Blanc-Sablon)	June - July 2004, 2009		
Blanc-Sablon (Blanc-Sablon)	June 2006, 2007, 2009	June: 28‡	

Names in parentheses denote sections of municipalities. ‡ Denotes date of observation of capelin presence without mention of spawning.

Location	2003 - 2009	2010	2011
Rimouski (Rimouski)	June 2008		
Killiouski (Killiouski)	July 2009		
Rimouski	May - June 2008		June: 29‡
(Pointe-au-Père)	June - July 2009		
Sainte-Luce	June 2003, 2008		June: 12, 13, 28
Salitie-Luce	April - July 2009		
Sainte-Flavie	June 2008	June:	June: 24, 28‡
	May - July 2009	2, 3, 20, 30	
Métis-sur-Mer	June 2008		June: 29
	June - July 2009		
Les Méchins	June 2004, 2006, 2009		

Names in parentheses denote sections of municipalities. ‡ Denotes date of observation of capelin presence without mention of spawning.

Since the Network's founding, capelin spawning in the Lower Estuary has been observed mainly in May and June and appears to peak in June.

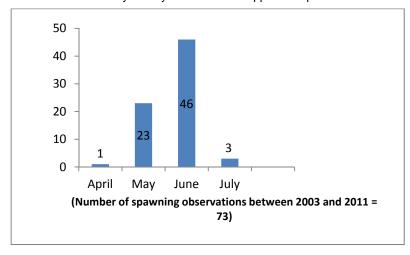


Figure 6: Period of observation of capelin spawning in Lower Estuary between 2003 and 2011.

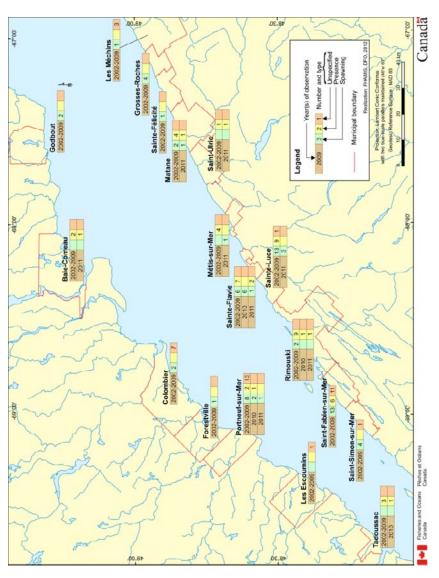


Figure 7 : Locations of observations of capelin spawning and presence in Lower Estuary between 2003 and 2011.

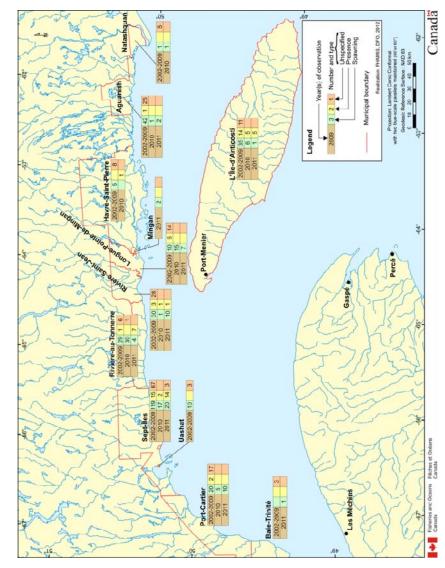


Figure 9: Locations of observation of Capelin Spawning and Presence in Middle North Shore between 2002 and 2011.

Names in parentheses denote sections of municipalities. ‡ Denotes date of observation of capelin presence without mention of spawning.

Since 2002, capelin spawning in the Middle North Shore has been observed mainly in May and June as well as, in some years, through mid-July.

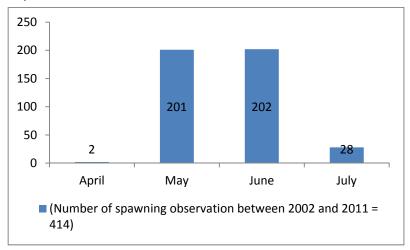


Figure 8: Period of observation of capelin spawning in Middle North Shore between 2002 and 2011.

MIDDLE NORTH SHORE - GULF

The Middle North Shore zone extends from Baie-Trinité (Pointe-des-Monts) eastward as far as Natashquan (Pointe-Parent) including Anticosti Island.

Observations

In 2011, the number of observers and observations remained stable in comparison to 2010. A total of 24 observers reported 87 observations in this zone between May 9 and July 2. Of these observations, 57 involved spawning. Observations of capelin presence were reported between May 2 and July 13. Observations were made in three new areas: Port Cartier (Grand-Ruisseau), Sept-Îles (Rivière Brochu) and Rivière-au-Tonnerre (Rivière-aux-Graines).

Table 6: Dates of observation of capelin spawning or presence between 2003 and 2011 in Middle North Shore.

Location	2002 - 2009	2010	2011
Baie-Trinité	May 2005, 2006		May:
(Îlets-Caribou)	June 2006		24
Port-Cartier	May 2002, 2004 - 2008	May: 8, 9, 17	May: 22
(Pointe-aux-Anglais)	June 2006 - 2007		
	May - June 2009		
Port-Cartier	May 2004, 2005, 2008		
(Rivière-Pentecôte)	June 2008	June: 4, 9	
	July 2009		
Port-Cartier (Grand-Ruisseau)			May: 9 - 13, 23, 27
			June: 2, 4
Sept-Îles (Gallix)	May - June 2003, 2005 - 2009 June - July 2004	May: 12 [‡] , 12, 15, 17 - 23, 28, 29 June: 5, 8, 29 [‡]	Mai : 2 [‡] , 19, 21, 22 [‡] , 25 - 27
			June:

Location	2002 - 2009	2010	2011	
			3 - 5, 7 - 9,	
			12 ^{‡,} 28 [‡] , 29 [‡]	
			July: 1‡, 8‡	
	April - June 2002, 2007		May: 27‡	
ept-Îles (Sept-Îles)	May - June 2004, 2005, 2008		June: 28	
	May 2006			
	May - July, September 2009			
Sout Ître (Marteta)	May 2007, 2008			
Sept-Îles (Moisie)	July 2009			
Sept-Îles (Matamec)	June 2009 July 2008		May: 30, 31 June: 5	
			July: 1‡, 2	
Uashat mak Mani-Utenam (Uashat)	May 2006, 2008 June 2008 May - June 2009			
Rivière-au-Tonnerre (Sheldrake)	May 2005 July 2008	June: 3, 4, 8, 11, 12, July: 4	May: 25 June: 5	
Rivière-au-Tonnerre (Rivière-au-Tonnerre)	May 2005, 2006, 2008	May: 31		
	May - June 2009	June: 1, 5, 7,		
	June 2004, 2007	9, 10, 12 - 22, 25, 26, 28		
	July 2008	,, 20		
Rivière-au-Tonnerre (Rivière-aux-Graines)			June: 10	
			July: 7‡ -	

May 2006 - 2009 Rivière-Saint-Jean (Magpie) June 2004 - 2009 July 2006	13‡ May: 27, 31
Rivière-Saint-Jean (Magpie) June 2004 - 2009 July 2006	27, 31
<u> </u>	27, 31
Rivière-Saint-Jean (Rivière-Saint-Jean) July 2008 July: 11 [‡]	June: 1, 2‡, 4, 7, 9, 17,
Longue-Pointe-de-Mingan May 2005 - 2009 May: 1 - 5 (Longue-Pointe-de-Mingan)	24 - 26 5, 20 May: 25 -
Julie 2002, 2004, Julie: 2, 2 2005, 2008, 2009 July: 1, 2,	luno: 7
July 2006, 2008	
Mid-May - mid-June 2006, 2007 May: 22,	28, 31 May: 25,
June 2002, 2009 June: 1, 2	2, 3 29
May 2007, 2008	
Havre-Saint-Pierre June 2002, 2004, 2009 July: 15 [‡]	
May - June 2005	
May 2003, 2008 June 2002, 2008,	June: 4, 11
Aguanish 2009 May: 17	
May - June 2004 - 2007	
July 2008	
June 2007 Natashquan May: 20	
June - July 2006	
Anticosti Island June - July 2004, June: 16, 17 [‡] , June: 20, 2009 18 - 20	
July: 5‡, 1: July 2005 July: 27‡	∠ [‡]
June 2006 - 2008 August: 2 [±]	