

## SIGNIFICANT WILDLIFE EVENT NOTIFICATION

Produced on 2016-05-04 13:58:53

By François Rousseau

### **A) Title of Advisory and Event Type (e.g die-off of ducks in Lake Erie)**

Fuel spill near Trois-Rivières.

### **B) Version (of Advisory):**

Version 1

### **C) Incident:**

A boat collided with a dock and broke its fuel tank on the morning of the May 4, 2016.

### **D) Details of incident: / Détails de l'incident:**

A large amount of fuel has been spilled.

### **E) Initial Assessment of impacts and risk to wildlife:**

Lots of wildlife and species at risk around this area at this time of year.

### **Send report to:**

Marie-Josée Couture, Marie-France Dalcourt, Luc Bélanger, Cédric Paître, Daniel Bordage, Stéphane Légaré, Marilou Verge, Josée Deguise, Karine Picard, Bruno Rodrigue (DALF), Luc Tittley (comm), Holly Foerter, François Bolduc, Christine Lepage, Luc Robillard, Jean-François Rail, Mark Dionne

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## LOCATION

### Query parameters and summary

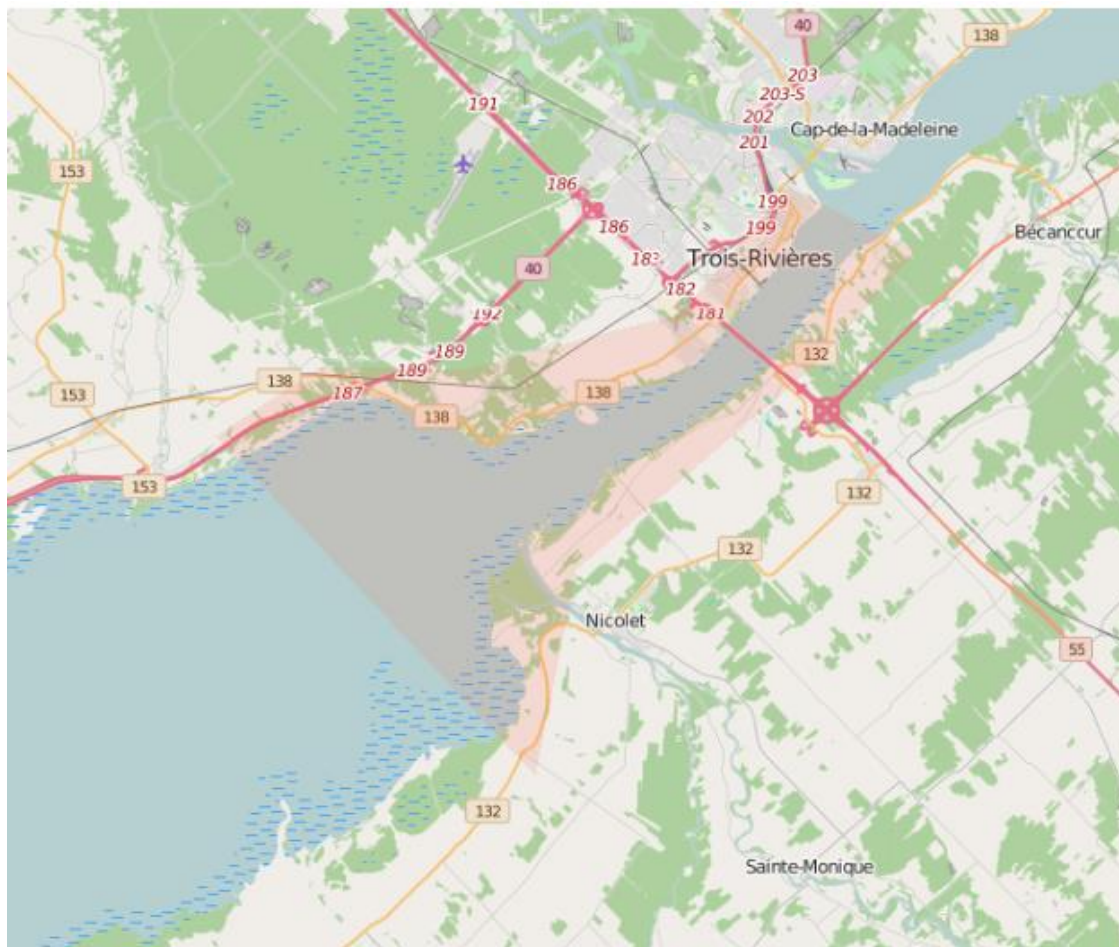
Databases selected for records of migratory bird observations: BIOMQ, CANARDS\_MER, ECSAS, EIDERS\_HIVER, EPOQ, GARROTS\_HIVER, LIMICOLES\_IDLM, MACREUSES, OIES, REKN\_BBPL\_2013\_YT, SAUVAGINE, SAUVFLEUVE, SOSpop, SRIV

Selected months: 09

Minimal year for bird observation data: 1980

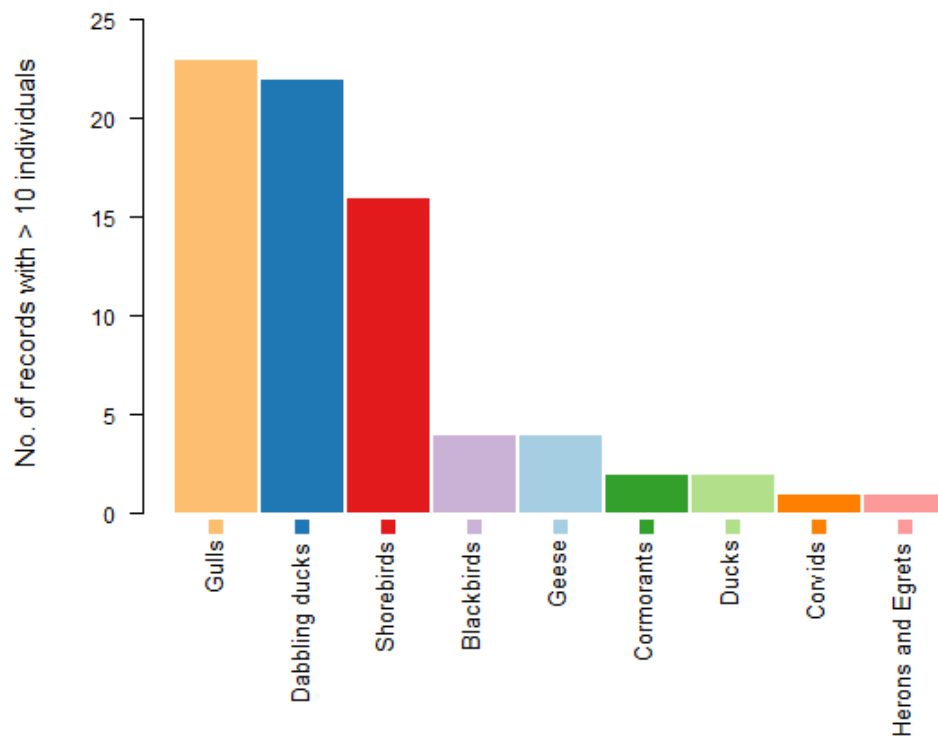
Number of records: 259

Number of breeding bird colonies: 3

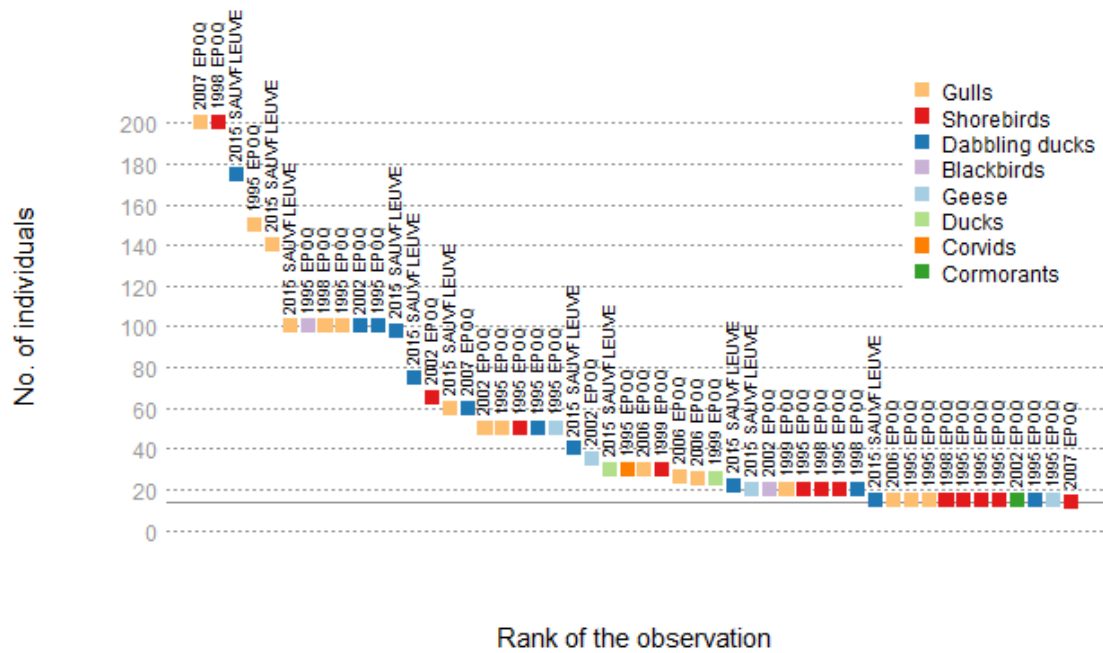


**Figure 1.** Location of the study area.

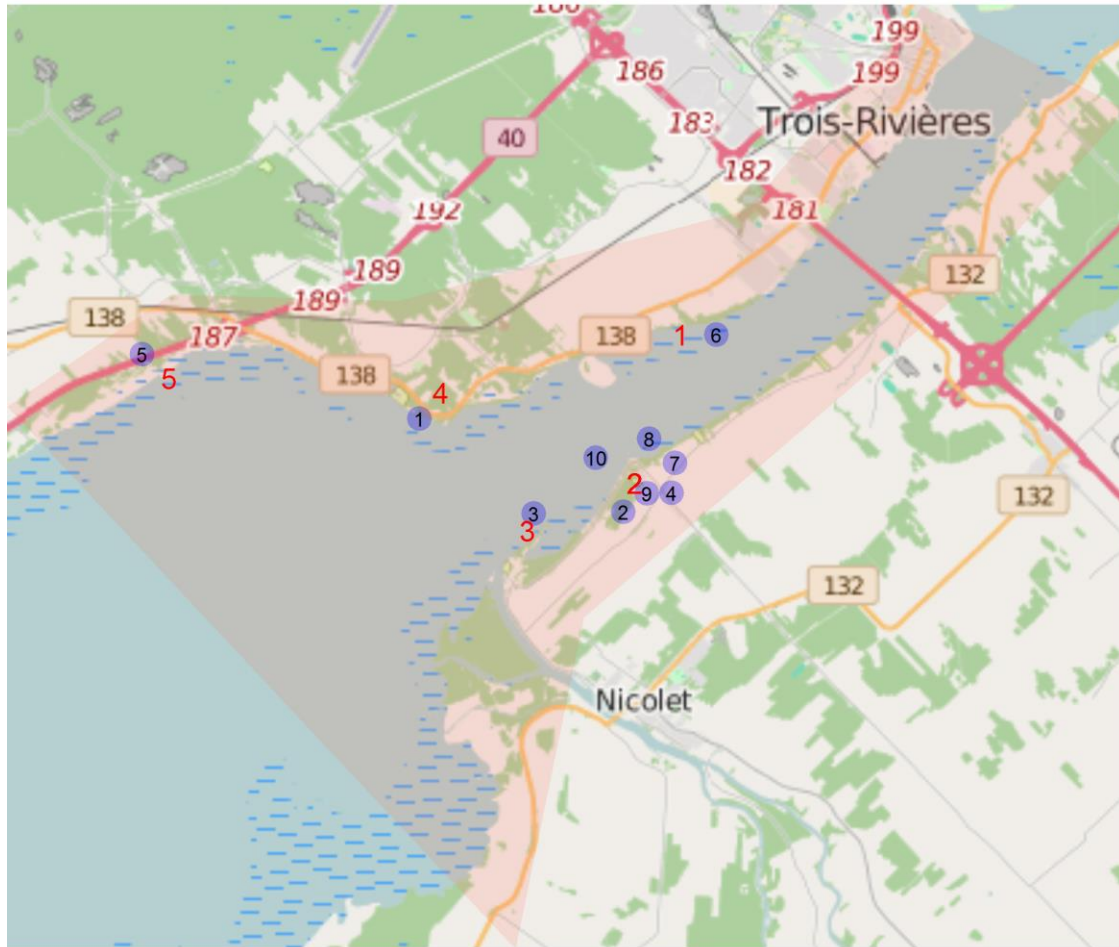
## MIGRATORY BIRD ABUNDANCE



**Figure 2.** Number of records by group/species with more than Inf individuals and number of individuals in each record.



**Figure 3.** Records containing the largest number of individuals and source of data.



**Figure 4.** Location of the migratory birds records containing the largest number of individuals. Locations are approximate due to the potentially inaccurate geographic coordinates. Observations (blue dots) have been spreaded around their original coordinates (red numbers) to facilitate visualization. Refer to the tables below to get the site (ID\_Site) and the observation ID (ID\_Obs).

**Table 1.** Details of the 10 records of migratory birds with the largest numbers of individuals. The first columns are the ID of the site (ID\_Site) and the observation (ID\_Obs) used in the previous figure.

ID_Site	ID_Obs	sp	Abundance	Date	Nom_lieu	Base
4	1	Ring-billed Gull	200	2007/09/03	Trois-Rivières, Parc Antoine-Gauthier	EPOQ
2	2	Semipalmated Sandpiper	200	1998-09-06	Port-Saint-François	EPOQ
3	3	Mallard	175	2015-09-11	NA	SAUVFLEUVE

2	4	Ring-billed Gull	150	1995/09/12	Port-Saint-François	EPOQ
5	5	Ring-billed Gull	140	2015-09-11	NA	SAUVFLEUVE
1	6	Ring-billed Gull	100	2015-09-11	NA	SAUVFLEUVE
2	7	Red-winged Blackbird	100	1995/09/12	Port-Saint-François	EPOQ
2	8	Ring-billed Gull	100	1998/09/06	Port-Saint-François	EPOQ
2	9	Ring-billed Gull	100	1995/09/16	Port-Saint-François	EPOQ
2	10	Mallard	100	2002/09/07	Port-Saint-François	EPOQ

## BREEDING COLONIES



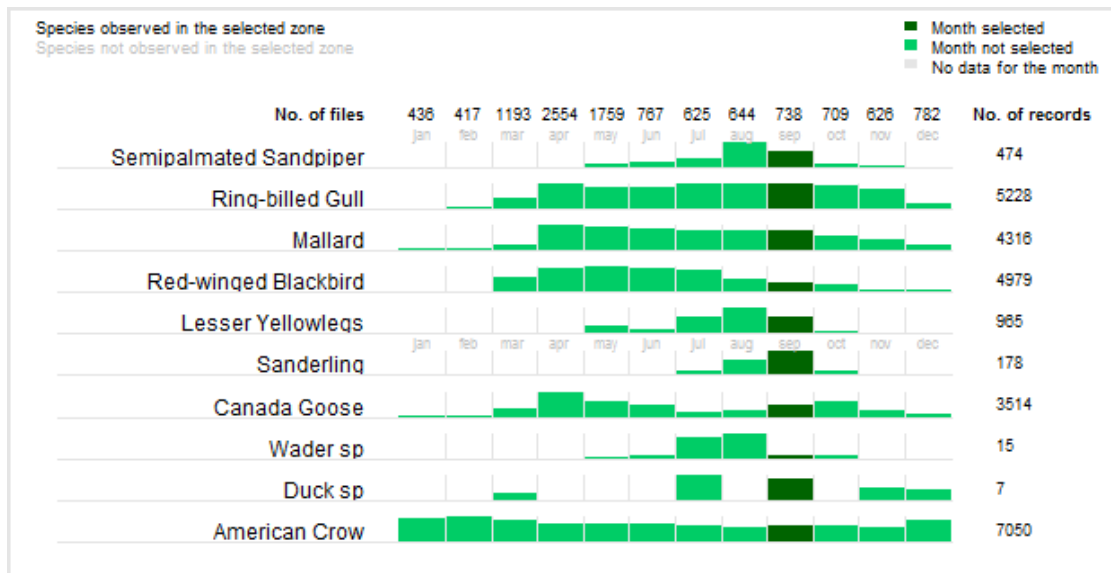
**Figure 5.** Location of bird colonies.



**Table 2.** List of breeding bird colonies, species and most recent years of activities of each colony located in the selected area.

ID_Colonie	Nom_Colonie	Annee	sp
483	Ilets du lac Saint-Pierre	2006	Herring Gull, Ring-billed Gull, Common Tern, Double-crested Cormorant
538	Trois-Rivières	2006	Ring-billed Gull
1670	Refuge de Nicolet	2004	Black Tern

## SEASONAL CALENDAR



**Figure 6.** Seasonal calendar for the 10 species with the largest observations. Values are percentages based on the occurrence in EPOQ files within the zone around the study area.

## BIRD SPECIES AT RISK



**Figure 7.** Location of the 31 records of species at risk selected. Locations are approximate due to potentially inaccurate geographic coordinates. Numbers refer to the sites given in the table below (Sites).

**Table 3.** Number of sites for each species at risk selected and observed in the study zone.

sp	Nb de sites	Nb de mentions	Mention + ancienne	Mention + récente	Sites
Black Tern	2	2	2010	2011	1, 2
Least Bittern	4	20	1994	2009	3, 4, 5, 7
Nelson's Sparrow	2	9	2000	2012	6, 8



## OTHER SPECIES AT RISK



**Figure 8.** Location of records of species at risk on federal lands from the CDPNQ database . See the table below for the site Ids (ID\_Carte).

**Table 4.** List and locations of species at risk on federal lands within the study site. Data from the CDPNQ.

ID_Carte	sp	Classe
3	Bruant de Nelson	Aves
1	ail du Canada	Monocotyledoneae
2	arisème dragon	Monocotyledoneae
4	chevalier cuivré	Osteichthyes
5	dard de sable	Osteichthyes
6	fouille-roche gris	Osteichthyes
7	méné d'herbe	Osteichthyes

## CRITICAL HABITATS

## FEDERAL LANDS



**Figure 9.** Location of federal lands within the study zone. See the table below for the site Ids (ID\_Site).

**Table 5.** List of federal lands found in the study zone

ID_Site	Nom	Descrip	Num_RBIF	Source	Annee
1	Nicolet	Refuge d'oiseaux migrateurs (portion aquatique seulement)	NA	SIG- ROM	2015
2	Champ de tir de Nicolet	Bien immobilier de l'État (niveau de précision variable)	06294	RBIF	2014
3	Site d'emplacement militaire	Bien immobilier de l'État (niveau de précision variable)	06431	RBIF	2014

4	Parc portuaire de Trois-Rivières (Quai)	Bien immobilier de l'État (niveau de précision variable)	06434	RBIF	2014
5	NA	Bien immobilier de l'État (niveau de précision variable)	06462	RBIF	2014
6	Bureau de poste de Trois-Rivières	Bien immobilier de l'État (niveau de précision variable)	60641	RBIF	2014

## WETLANDS



**Figure 10.** Location and type of wetlands within the study zone.