

### **Répartition géographique des poissons, leur abondance relative et bathymétrie de la région du Lac Saint-Pierre**

By Gérard Massé et Jean-René Mongeau. 1974. Service de l'Aménagement de la Faune, Ministère du Tourisme, de la Chasse et de la Pêche, Québec. 59 pp., illus.

### **Cartes de répartition géographique des espèces de poissons au sud du Québec, d'après les inventaires ichthyologiques effectués de 1963 à 1972**

By Jean-René Mongeau, Albert Courtemanche, Gérard Massé, et Bernard Vicent. 1974. Faune du Québec, Rapport Spécial (4): 1-92.

### **Les poissons de la région de Montréal, la pêche sportive et commerciale, les ensemencements, les frayères, la contamination par le mercure et les PCB**

By Jean-René Mongeau et Gérard Massé. 1976. Service de l'Aménagement de la Faune, Ministère du Tourisme, de la Chasse et de la Pêche, Québec. 286 pp., illus.

Gaps in occurrence on species distribution maps frequently result from lack of collecting rather than absence of the species. Museums and environmental agencies frequently lack the funding or planning that would result in thorough zoological and botanical surveys that would produce excellent spot distribution maps. It is desirable that such maps be based on voucher specimens whose identity can be verified when called in doubt or when taxonomic changes are made.

High-quality distribution maps serve a number of useful purposes including the following:

- (1) recreational use — where to go to bird-watch or fish,
- (2) resource use — where to go to catch fish,
- (3) resource management,
- (4) determination of effects of environmental disturbance or pollution,
- (5) zoogeographic studies,
- (6) ecological studies.

Since 1963 the Ministère du Tourisme, de la Chasse et de la Pêche has been surveying the fish fauna of southern Quebec. Samples have been made every 1/5 mile along water courses. Such methodical sampling with a variety of gear permits the drafting of distribution maps which indeed show where a species is present and where it is absent.

The appearance of the results has begun in the above publications. One species is presented per map with the stations positive for the species indicated by a dark spot. Some maps even indicate whether the species was rare (<50), abundant (50-200), and very abundant (>200).

The ministry and its team of workers is to be commended for the production of these fine maps which will be useful to many groups. It is hoped that other organizations and museums will be given the resources to produce similar atlases for our fauna and flora.

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### **Méthodes de pêche expérimentale, en eau douce, à l'usage du biologiste et du technicien de la faune**

By Jean-René Mongeau. 1976. Rapport Technique, Service de l'Aménagement de la Faune, Ministère du Tourisme, de la Chasse et de la Pêche. 83 pp.

Biologists and technicians trained in universities receive too little training in the use and care of fishing gear, even though it is very important in sampling populations and in the collection of specimens. Under one cover Mongeau has brought together information on techniques of fishing with gill nets (including setting them under ice), seines, traps, trap nets, dip

nets, set lines, electric shockers, and rotenone. Detailed specifications are given for gill nets and seines and instructions on care are offered. The text and photos together offer an excellent introduction to the techniques of fishing.

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McAllister, Don E. 1977. "Methodes de pêche expérimentale, en eau douce, a l'usage du biologiste et du technicien de la faune, by Jean-René Mongeau [Review]." *The Canadian field-naturalist* 91(3), 330–330.

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