



Rapid assessment of SSF gear impact on bycatch and habitat

Background and objectives: Fisheries sustainability requires, among other things, mitigation of ecosystem impacts of fishing gears. Scientific assessment of gear impact is demanding and is not always possible to do. Thus, a rapid assessment of relative impact of fishing gears can be useful. It is also important to recognize measures taken to mitigate these impacts and other stewardship efforts that may be in place to address the problem.

It is under this premise that the 'Rapid assessment of SSF gear impact' on bycatch and habitat is conducted a part of the Too Big To Ignore project (www.toobigtoignore.net). The aim is to provide a global assessment between small-scale fishing gears, also in comparison with large-scale fishing gears.

All contributions will be acknowledged and incorporated in the Information System on Small-Scale Fisheries (ISSF; <http://issf.toobigtoignore.net/>), with interactive web-based, open access maps, showing relative values of SSF around the world. The completed form, as well as any questions and comments, should be sent to toobigtoignore@mun.ca.

Gear Impact Assessment Template

Name of contributor:

Email:

Affiliation:

Country:

Roles in the SSF:

Years working/involving/researching in SSF:

Part I: General information about SSF

INFORMATION	RESPONSE
a(1) Name and type of SSF	A. SSF name: B. SSF type(s): (select ALL that apply) <input type="checkbox"/> Aquaculture <input type="checkbox"/> Recreational <input type="checkbox"/> Commercial <input type="checkbox"/> Subsistence <input type="checkbox"/> Indigenous Others (specify):
(2) Location and main species	A. Location: B. Country: C. Main species:

<p>3) Dominant ecosystems in the location</p>	<p>A. Ecosystem type(s): (select ALL that apply)</p> <ul style="list-style-type: none"> <input type="checkbox"/> Marine <input type="checkbox"/> Freshwater <input type="checkbox"/> Brackish <p>B. Ecosystem detailed type(s): (select ALL that apply)</p> <ul style="list-style-type: none"> <input type="checkbox"/> Archipelago <input type="checkbox"/> Beach <input type="checkbox"/> Coastal <input type="checkbox"/> Coral reef <input type="checkbox"/> Deep sea <input type="checkbox"/> Estuary <input type="checkbox"/> Fjord <input type="checkbox"/> Others (specify): <input type="checkbox"/> Intertidal <input type="checkbox"/> Lagoon <input type="checkbox"/> Lake <input type="checkbox"/> Mangrove <input type="checkbox"/> Open ocean <input type="checkbox"/> River <input type="checkbox"/> Salt marsh
<p>(4) SSF term and definition</p>	<p>A. Term(s) used to refer to SSF: (select ALL that apply)</p> <ul style="list-style-type: none"> <input type="checkbox"/> Artisanal <input type="checkbox"/> Coastal <input type="checkbox"/> Indigenous <input type="checkbox"/> Inland <input type="checkbox"/> Inshore <input type="checkbox"/> Small boat <input type="checkbox"/> Small scale <input type="checkbox"/> Subsistence <input type="checkbox"/> Traditional <input type="checkbox"/> Others (specify): <p>B. Are small-scale fisheries defined? (select ONE only)</p> <ul style="list-style-type: none"> <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not explicitly <p>Provide SSF definition, if applicable:</p>

(5) Main gears type(s)	Select ALL that apply: <table style="width: 100%; border: none;"> <tr> <td><input type="checkbox"/> Dredge</td> <td><input type="checkbox"/> Lift net</td> </tr> <tr> <td><input type="checkbox"/> Cast net</td> <td><input type="checkbox"/> Poison/explosive</td> </tr> <tr> <td><input type="checkbox"/> Gillnet</td> <td><input type="checkbox"/> Recreational fishing gears</td> </tr> <tr> <td><input type="checkbox"/> Gleaning</td> <td><input type="checkbox"/> Seine net</td> </tr> <tr> <td><input type="checkbox"/> Harpoon</td> <td><input type="checkbox"/> Surrounding net</td> </tr> <tr> <td><input type="checkbox"/> Harvesting machines</td> <td><input type="checkbox"/> Traps</td> </tr> <tr> <td><input type="checkbox"/> Hook and line</td> <td><input type="checkbox"/> Trawls</td> </tr> <tr> <td><input type="checkbox"/> Others (specify):</td> <td></td> </tr> </table>	<input type="checkbox"/> Dredge	<input type="checkbox"/> Lift net	<input type="checkbox"/> Cast net	<input type="checkbox"/> Poison/explosive	<input type="checkbox"/> Gillnet	<input type="checkbox"/> Recreational fishing gears	<input type="checkbox"/> Gleaning	<input type="checkbox"/> Seine net	<input type="checkbox"/> Harpoon	<input type="checkbox"/> Surrounding net	<input type="checkbox"/> Harvesting machines	<input type="checkbox"/> Traps	<input type="checkbox"/> Hook and line	<input type="checkbox"/> Trawls	<input type="checkbox"/> Others (specify):	
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<input type="checkbox"/> Others (specify):																	

(6) Main vessel type(s), number(s) and engine size	<u>Type</u>	<u>Number</u>	<u>Engine (HP)</u>
(7) Number of SS fishers	A. Total number of SS fishers	=	
	B. % of full-time	=	
	C. % of fisher women	=	
(8) Number of all households and SS fishing households in the location	A. Total number of households in the location	=	
	B. % of households participating in SSF	=	

Part II: Impact assessment

Instructions:

Using the code below, please indicate the 'level of relative impact' per boat for different fishing gear for each impact category, for as many small-scale fisheries (SSF) and large-scale fisheries (LSF) gears as you wish.

CODE:

0 = No Impact 1 = Very Low Impact 2 = Low Impact
 3 = Moderate Impact 4 = High Impact 5 = Very High Impact
 DK = Don't Know

Make sure to:

- Provide the name of SSF or LSF gear that you are assessing;

- Provide the average length of the vessels associated with each gear and the number of vessels, if applicable.

Gear Impact Assessment Table

Impact categories	SSF Gear 1:	SSF Gear 2:	SSF Gear 3:	LSF Gear 1:	LSF Gear 2:
	Name	Name	Name	Name	Name
	Av. length: Number:	Av. length: Number:	Av. Length Number:	Av. Length Number:	Av. Length Number:
Forage fish					
Groundfish					
Large pelagic					
Turtle					
Seabird					
Marine mammal					
Invertebrate					
Infauna*					
Soft sediment					
Hard bottom					
Coral/sponge					
Ghostfishing*					

* Definition:

Infauna - Infauna are aquatic organisms (usually animals, but sometimes algae) that live within particulate media such as sediments or soil.

Ghostfishing - The continued killing of fish by a fishing gear after the gear has been lost or voluntarily dumped in the water body.

Measure(s) taken to mitigate bycatch/habitat impacts [required – put ‘none’, if nothing has been done]:

Stewardship activities initiated to address the impacts [required – put ‘none’, if nothing has been done]:

How successful have these measures and activities been in mitigating impact? [required]

What kinds of data are available on the numbers and impacts of these gear types? [optional]

General description of SSF (optional):

Comments/Explanation (optional):

A large, empty rectangular box with a thin black border, intended for providing optional comments or explanations. The box is currently blank.