

10.7 Ecospace fishery

The *Ecospace fishery* form (Figure 10.9) is used to assign fleets, i.e., to define in which habitat(s) a fishing fleet may operate, and to identify whether a given fleet may operate within a restricted area.

For each fleet indicate where it may operate by clicking:

- All: if it can operate in all habitats (default setting), or;
- For each habitat click if may operate in the given habitat;
- MPA: click if the fleet is allowed to operate in the given protected areas.

Effective power: sets relative catchabilities by gear type, treating effort for each gear as starting at base value of 1.0 so that F for the gear ($F = qE = \text{Catch}/\text{biomass}$) is $1.0 \cdot q$ where q is relative catchability. This is to avoid measuring effort in some unnecessary unit. Effective power should be entered as a non-negative parameter, and has a default value of 1.

Total efficiency multiplier: a scaling factor for effort by fleet, it should be non-negative, and has a default value of 1.

Basic estimates		Basemap		Fishery						Set:	
Fleet \ habitat use:	All	mud bottom	seagrass	deep water	low salinity	MPA1	Effective power	Tot.Eff.Multip.			
1 Gillnet / Trawl	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.000	1.000			
2 Purse Seine	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.000	1.000			
3 Haul Seine	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.000	1.000			
4 Rec. Hook Line	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3.000	1.000			
5 Crab Traps	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.000	1.000			
6 Cast Net	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.000	1.000			
7 Bait Trawl	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.000	1.000			

Figure 10.9 The Ecospace fishery form.