Artisanal Fishing Practices Result in Varying Levels of Bycatch

Non-selective fishing practices have a higher potential for bycatch than those that allow the fisher to identify species and size.

Low Bycatch

**Pot & Trap**
Pot and traps are baited, submerged cages that are used to attract and hold living fish or invertebrates. They are typically placed on the seafloor to catch crustaceans and bottom-dwelling fish species, but have lower seafloor impact than mobile methods.

**Pole/Troll**
Pole and troll techniques utilize fishing poles and bait to attract a variety of fish species, ranging from open ocean swimmers to bottom feeders. Pole/troll methods serve as a good alternative to longlining.

**Harpoon**
Harpooning is a traditional method for catching large fish that involves a spear-like missile that is either thrown by hand or shot from a gun. Harpoon fishers can visually identify the species and size of targeted fish.

**Cyanide**
Cyanide fishing is used when it is beneficial for the fisher to stun a target species rather than kill them (e.g., live food fish trade, aquarium trade). This technique is utilized primarily to harvest reef species, where divers spray a solution of cyanide and seawater, which kills surrounding coral.

**Dynamite / Blast**
Blast fishing involves the use of dynamite to kill large fish species. It is one of the most harmful fishing techniques.

High Bycatch

**Longline**
Longlining utilizes a central fishing line (1-50 miles long) that incorporates a series of smaller, baited, hooks spaced at regular intervals. Longlines can be set near the surface to catch pelagic fish or along the seafloor to catch demersal species; non-targeted species are often attracted to the bait.

**Gillnet**
Gillnetting employs vertically-hanging nets that are suspended by floats on the top line and are anchored to the seafloor or weighted on the bottom line. The thin netting is practically invisible to fish; non-targeted species can often become entangled in the net.

**Trawl**
Trawls are weighted nets that are towed along the seafloor, or at various depths, to catch fish or shellfish. The nets are kept open by heavy beams or doors that can cause significant damage to the seafloor.

**Dredge**
Dredges are heavy metal frames with an attached mesh grate or net that are dragged across the seafloor to catch species that live in the mud or sand (e.g., scallops, clams, oysters). Dredging can cause significant damage to the seafloor and to organisms that live in and off it.

**Purse Seine**
Purse seine nets are large nets (up to 600m diameter and 250m deep) that are used to encircle and trap schooling fish or species that gather to spawn. Bycatch levels can vary, depending upon the particular type of net used and how it is operated.

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