

The use of wire leader in the Indonesian longline fishery

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Introduction

- **Improves catch retention of sharks:** The use of wire-leaders in longline fisheries helps prevent sharks from biting through nylon or monofilament branch lines.
- **Selective targeting of sharks:** In some fisheries, the use of wire-leaders can indicate an operational strategy to intentionally retain sharks.
- **Influence on bycatch composition:** The presence or absence of wire-leaders can affect the species composition of catches in tuna longline fisheries.
- **Management and conservation considerations:** Because wire-leaders can increase shark retention, their use has become a management concern in the RFMOs.

The use wire leader in longline fishery (Oct 2025)

ID TRIP	Vessel name	Wire leader
LL202501	Vessel 1	Yes
LL202502	Vessel 2	Yes
LL202503	Vessel 3	No
LL202504	Vessel 4	No
LL202505	Vessel 5	No
LL202506	Vessel 6	No
LL202507	Vessel 7	Yes
LL202508	Vessel 8	No
LL202509	Vessel 9	No
LL202510	Vessel 10	No
LL202511	Vessel 11	Yes
LL202512	Vessel 12	No
LL202513	Vessel 13	No
LL202514	Vessel 14	No
LL202515	Vessel 15	No

Future data collection

- **Presence or absence of wire-leader** used on branch lines during the set.
- **Material type of leader** (e.g., wire, monofilament nylon, or mixed).
- **Length of the leader** (cm or m) attached to each hook.
- **Diameter of the leader wire** (mm).
- **Number or proportion of hooks using wire-leaders** within a longline set.
- **Hook type and size** in the leader (e.g., circle hook, J-hook, hook size).
- **Catch composition on wire-leaders**, including the number and species of sharks caught.
- **Condition of captured sharks** (alive, dead, or released) when retrieved.
- **Location of catch**, latitude/longitude).

Thank you