

LANDINGS FORM

TRAWLING

Vessel name		Record No.		Flag		Sampler		Departure (DDMMYY)		Arrival (DDMMYY)		Fishing area
Port-Country unloading: _____ - _____ Length: _____ m Well capacity: _____ m ³ Engine power: _____ hp												

FISHING METHOD AND OPERATION

Trawl type (select one)	Dimensions	Trawling depth	Trawling speed	Number of sets
Outrigger[<input type="checkbox"/> 1 Stern [<input type="checkbox"/> 2 Both [<input type="checkbox"/> 3	Side panel span: _____ m Opening height _____ m			
Location: Mid-water [<input type="checkbox"/> 1 Bottom[<input type="checkbox"/> 2	Distance between knots (stretch): Tailpiece: _____ cm	_____ m	_____ knot	
Actual trawling time: _____ h	Side panel: _____ cm	Comments:		

CAPTURE AND/OR LANDING DATA

Species	FAO code	Numeric code	Total No. landed	Total weight	Species	FAO code	Numeric code	Total No. landed	Total weight
1)			ind.	kg	5)			ind.	kg
2)			ind.	kg	6)			ind.	kg
3)			ind.	kg	7)			ind.	kg
4)			ind.	kg	8)			ind.	kg

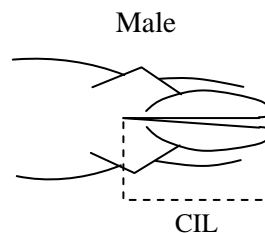
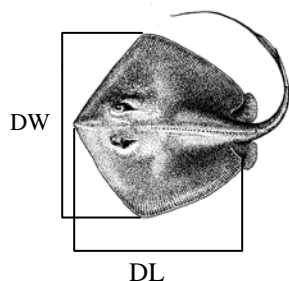
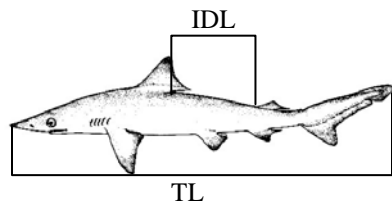
BIOLOGICAL DATA BY INDIVIDUAL

FAO code	Num. code	Sex M F	Sharks			Rays		Weight				Maturity M I	Comments
			TL	IDL	CIL	DL	DW		Whole	Eviscerated	Head off		
		[] []	cm	cm	mm	cm	cm	kg				[] []	
		[] []	cm	cm	mm	cm	cm	kg				[] []	
		[] []	cm	cm	mm	cm	cm	kg				[] []	
		[] []	cm	cm	mm	cm	cm	kg				[] []	
		[] []	cm	cm	mm	cm	cm	kg				[] []	
		[] []	cm	cm	mm	cm	cm	kg				[] []	
		[] []	cm	cm	mm	cm	cm	kg				[] []	
		[] []	cm	cm	mm	cm	cm	kg				[] []	
		[] []	cm	cm	mm	cm	cm	kg				[] []	
		[] []	cm	cm	mm	cm	cm	kg				[] []	
		[] []	cm	cm	mm	cm	cm	kg				[] []	
		[] []	cm	cm	mm	cm	cm	kg				[] []	

CHARACTERISTICS INDICATING SEXUAL MATURITY OF CHONDRICHTHYES			
Males		Females	
Immature	Mature	Immature	Mature
Flexible Claspers (uncalcified)	Rigid claspers, calcified, flexion resistant (**) with rotation	White-like ovaries, no oocytes differentiation, or small size oocytes	Ovaries with large vitellogenic follicles, orange and yellow in color. Not visible in resting females; see nidamental gland
Testicular lobes without differentiation	Testicular lobes with differentiation (rays)	Nidamental or oviducal gland with no differentiation (no wider than uterus width) and its color doesn't differ from the color of the rest of the oviduct	Nidamental or oviducal gland with white-like or cream color, wider than uterus width
Filiform reproductive tubes with no noticeable development	Well developed, folded reproductive tubes. Semen present in seminal vesicle (terminal or posterior portion)	Translucent and filiform oviduct, or belt shaped and whitish color	<u>Non-gravid</u> : Posterior oviduct (uterus) belt-shaped and red or pink color; sometimes vascularized.
Alar thorns (*) absent or not noticeable	Alar thorns present, lined in one or more rows, well developed and in a hook shape		<u>Gravid</u> : Presence of eggs, sails or embryo in uterus(viviparous), or egg capsules (oviparous)

(*) Present only in Rajidae (oviparous rays), external region of the pectoral fin

(**) Not in genus *Squalus*



TL: Total length
IDL: Interdorsal length
DL: Disc length
DW: Disc width
CIL: Claspers internal length

