

Manta rays



Reproduction every 1 – 3 years

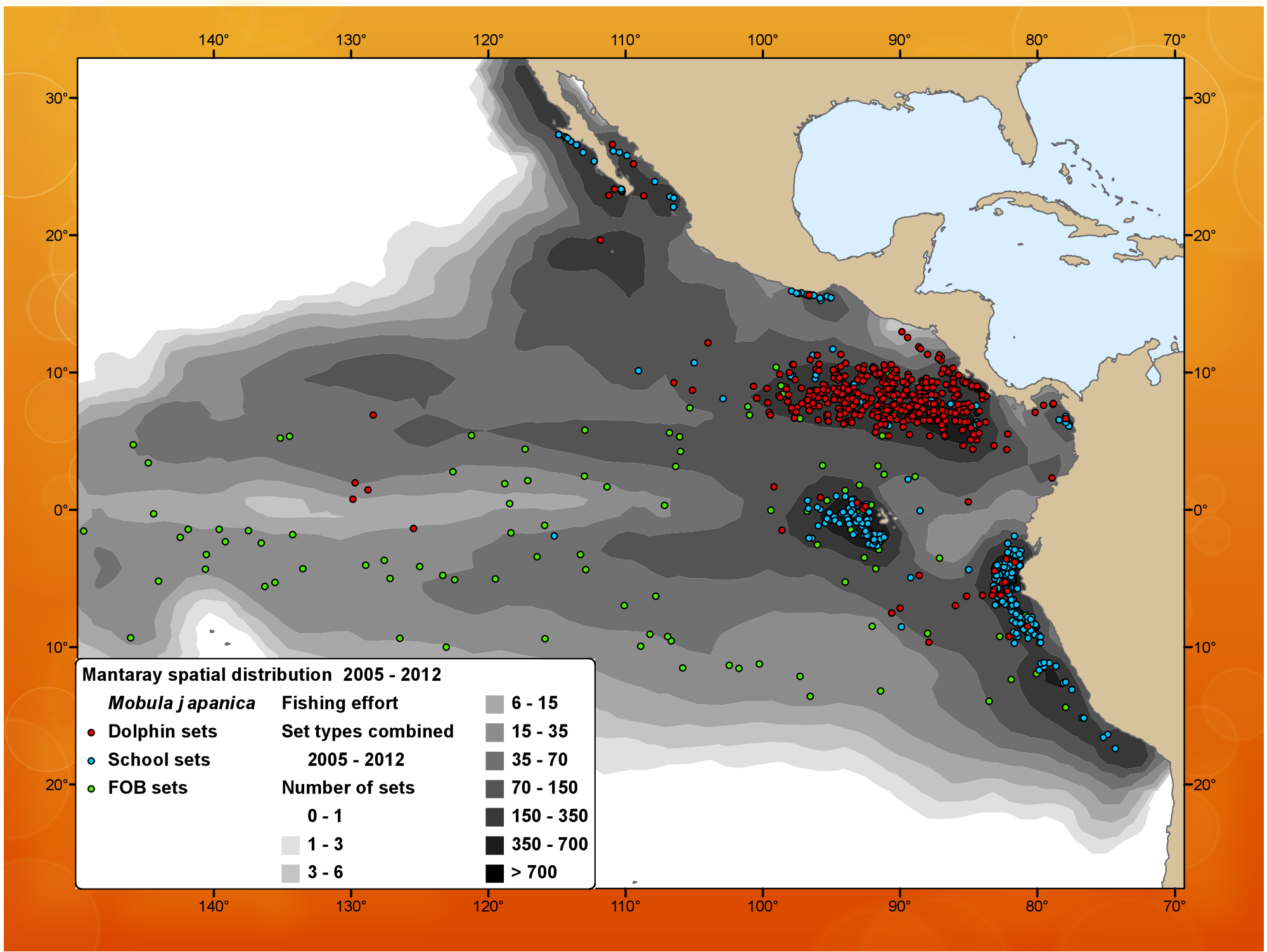
Pregnancy 12 months

Sexual maturity 3 – 6 years

Size at maturity 2m – 4 m wide

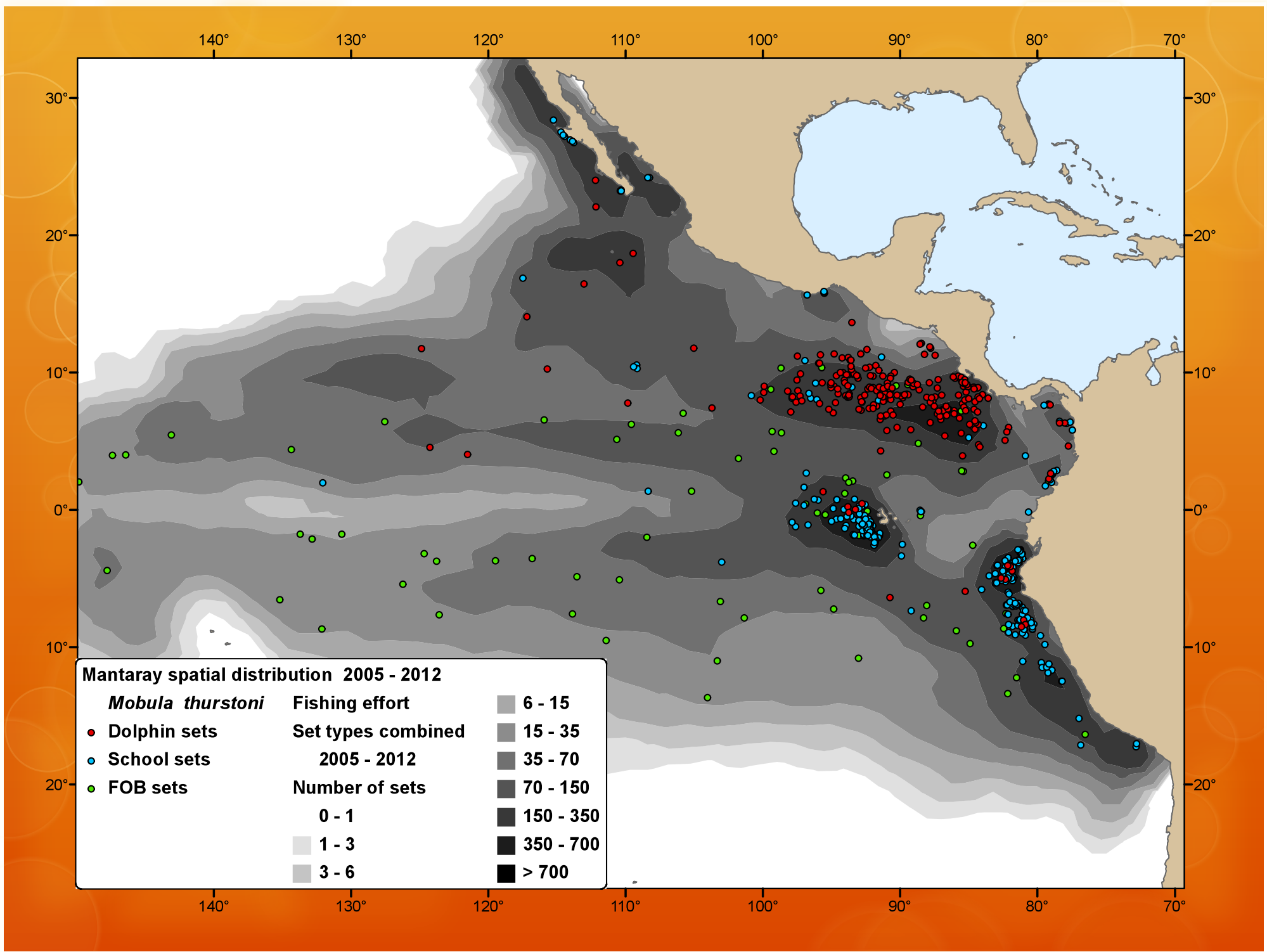
Longevity > 14 – 27 years

Mortalidad annual 1.500-6.500 individuos



Mantaray spatial distribution 2005 - 2012

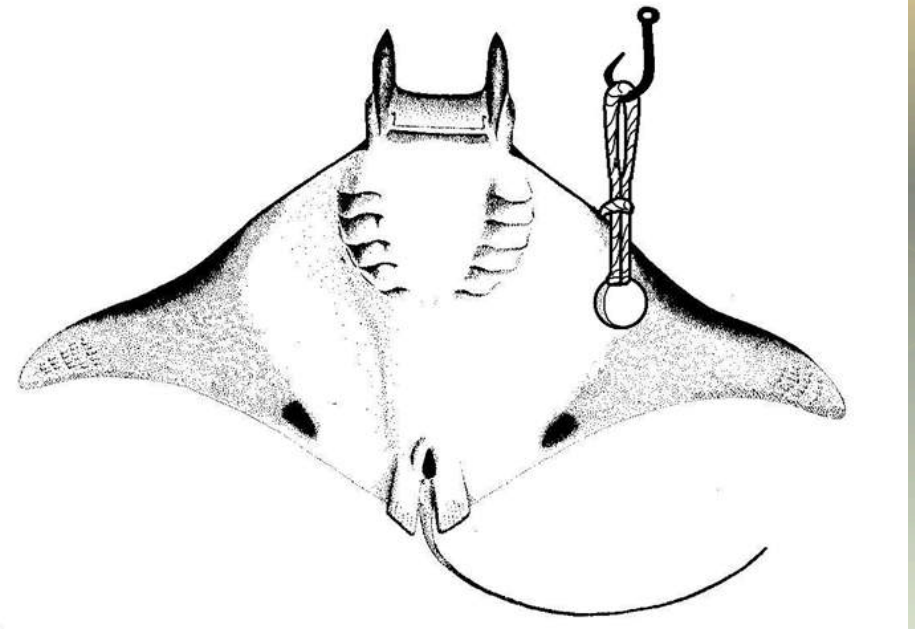
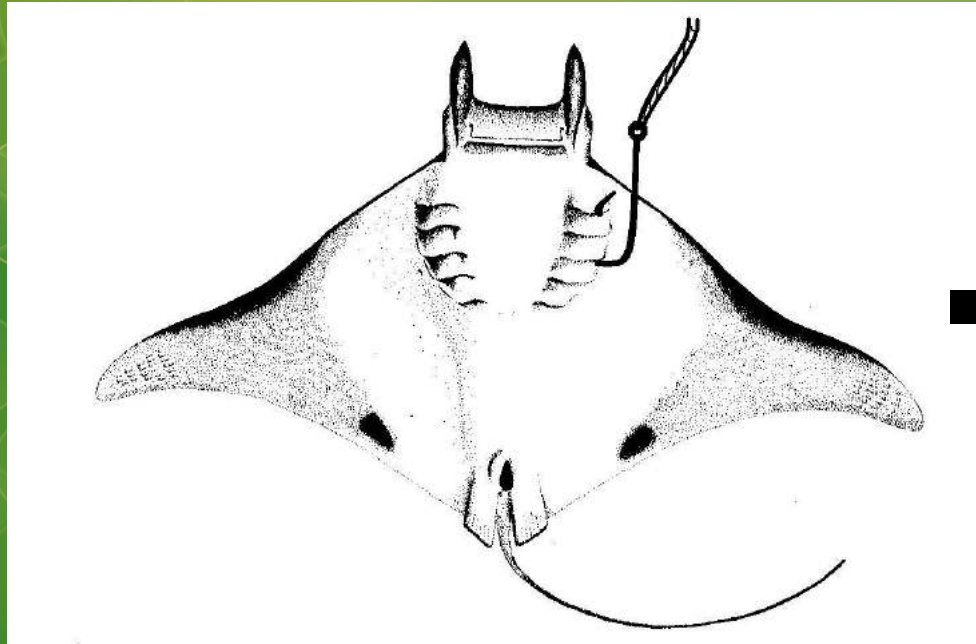
<i>Mobula japonica</i>	Fishing effort	6 - 15
● Dolphin sets	Set types combined	15 - 35
● School sets	2005 - 2012	35 - 70
● FOB sets	Number of sets	70 - 150
	0 - 1	150 - 350
	1 - 3	350 - 700
	3 - 6	> 700



Mantaray spatial distribution 2005 - 2012

<i>Mobula thurstoni</i>	Fishing effort	6 - 15
● Dolphin sets	Set types combined	15 - 35
● School sets	2005 - 2012	35 - 70
● FOB sets	Number of sets	70 - 150
	0 - 1	150 - 350
	1 - 3	350 - 700
	3 - 6	> 700

Métodos de liberación



Better techniques ??

