

Iniciativa de Ecuador a fines del 2003

Overseas Fisheries Cooperation Foundation, Japan

Western Pacific Regional Fishery Management Council





Bergmann, Boggs, Cantú, Donnelly
Kinan, Seminoff, Swimmer, Watson

Guatemala: Villagran, Perez,
Sanchez, Jolon, Lopez.

El Salvador: Salaverria, Sui, Barahona

Nicaragua: Urteaga

Panama: Mituhasi, Pacheco

Colombia: Barreto, Zapata

Ecuador: Hara, Rendon, Parrales

Peru: Valqui, De Paz,
Kelez, Calderon

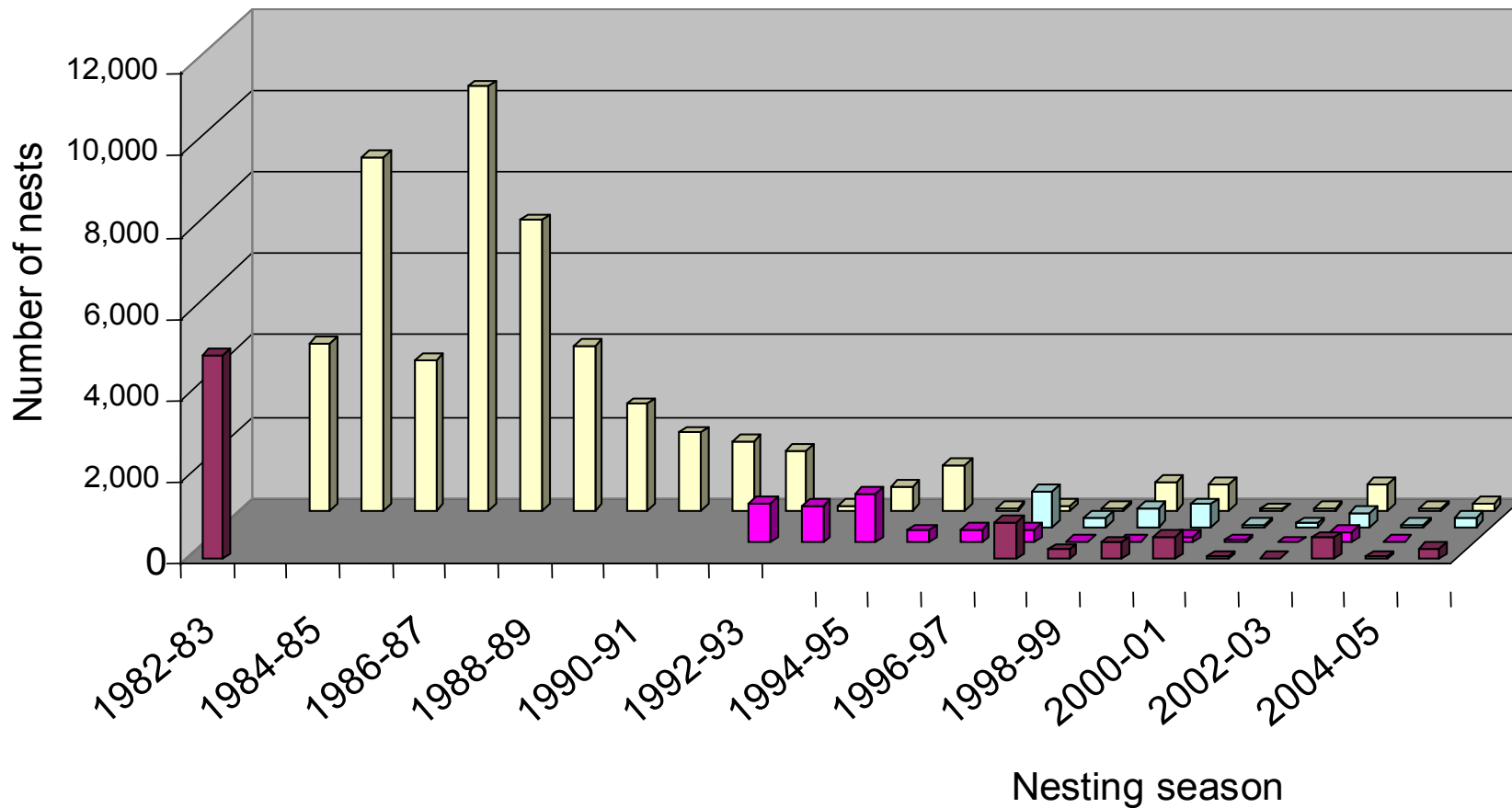
Costa Rica:
Mug, Andraka
Segura



Primer Taller Técnico
Programa Regional Tortugas Marinas del Pacífico Oriental
Puntarenas, Costa Rica
12- 17 de junio, 2006



Numbers of nests in index beaches, 1982 - present

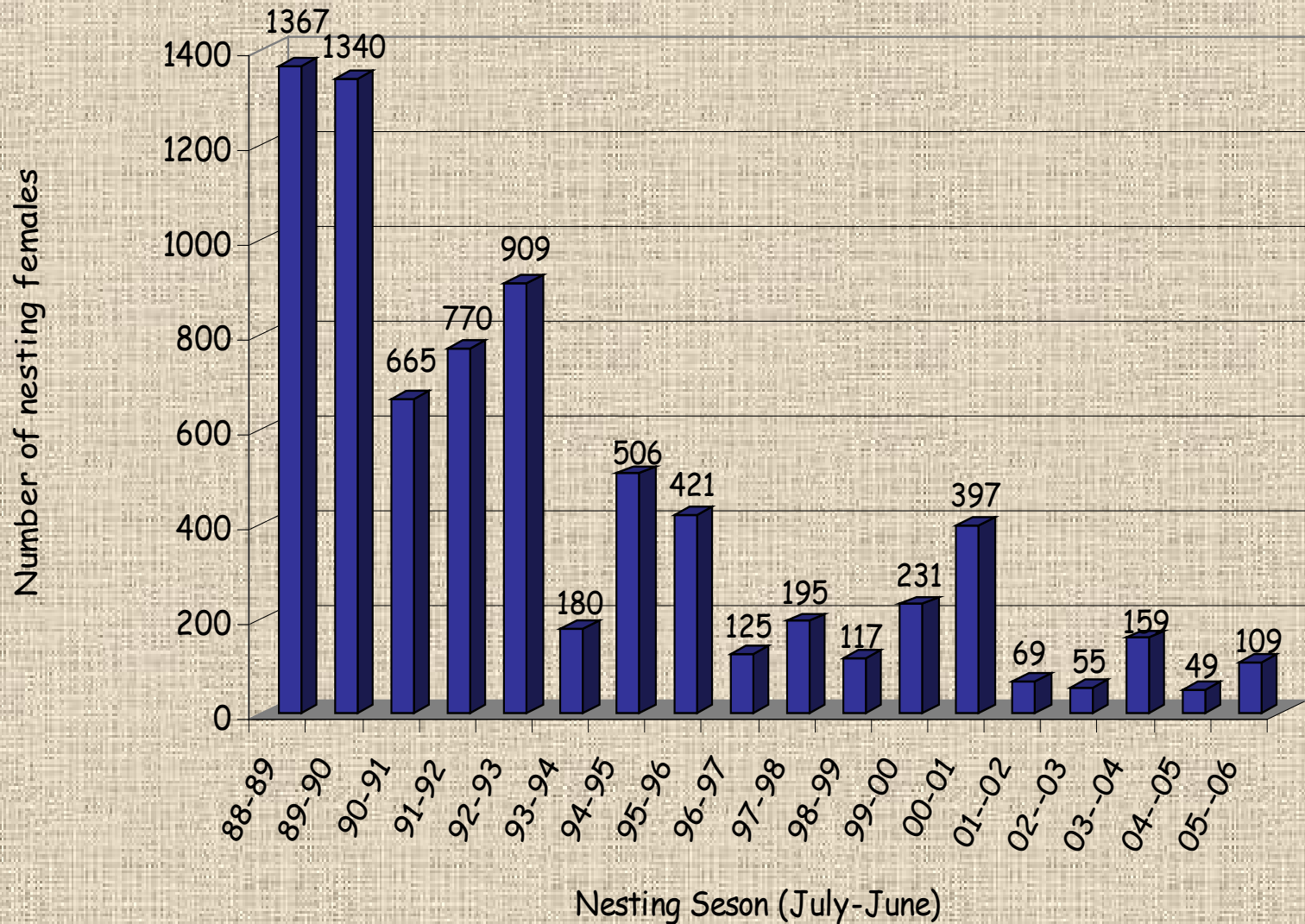


Tierra Colorada, Gro.
 Barra de la Cruz, Oax.

Cahuitán, Oax.
 Mexiquillo, Mich.

Sarti et al, unpub

Number of female leatherbacks, Playa Grande, Costa Rica

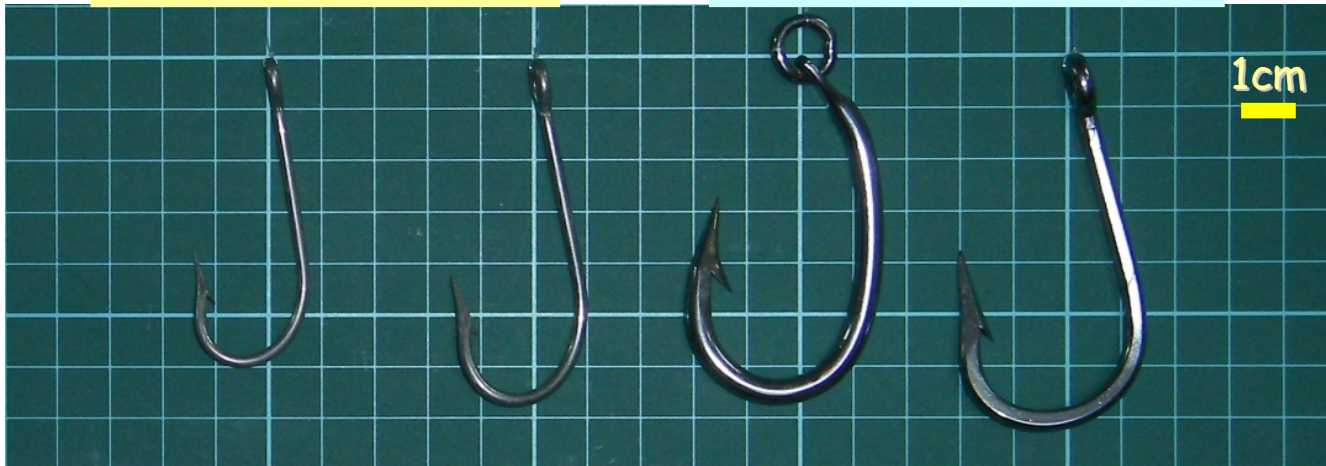


Nesting trends of leatherback turtles in Costa Rica (Spotila et al. unpub.)

Hook Exchanges in the Program

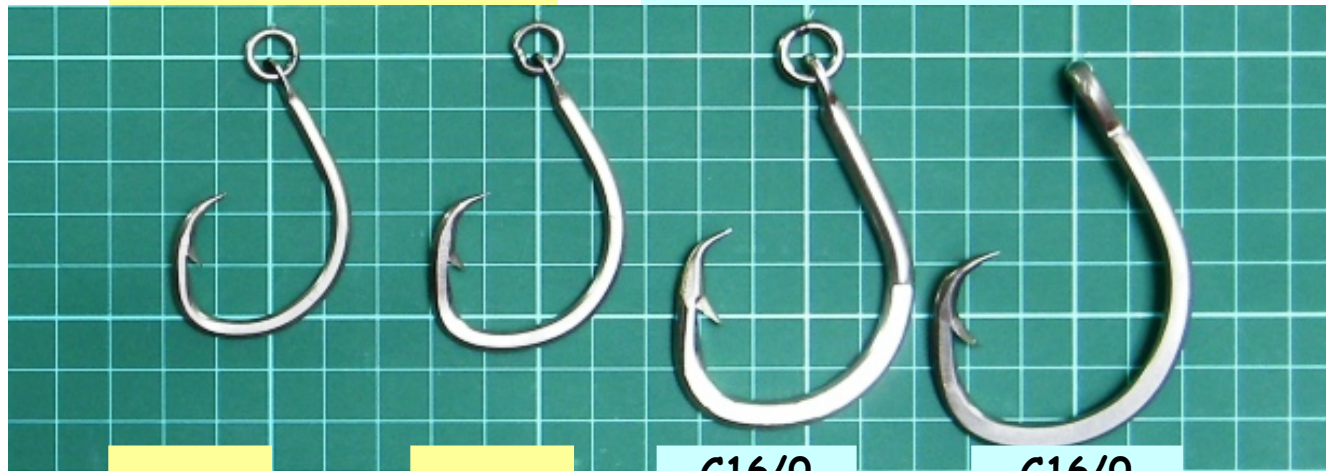
"J"

"Tuna" & "J"



Mahi-mahi

TBS



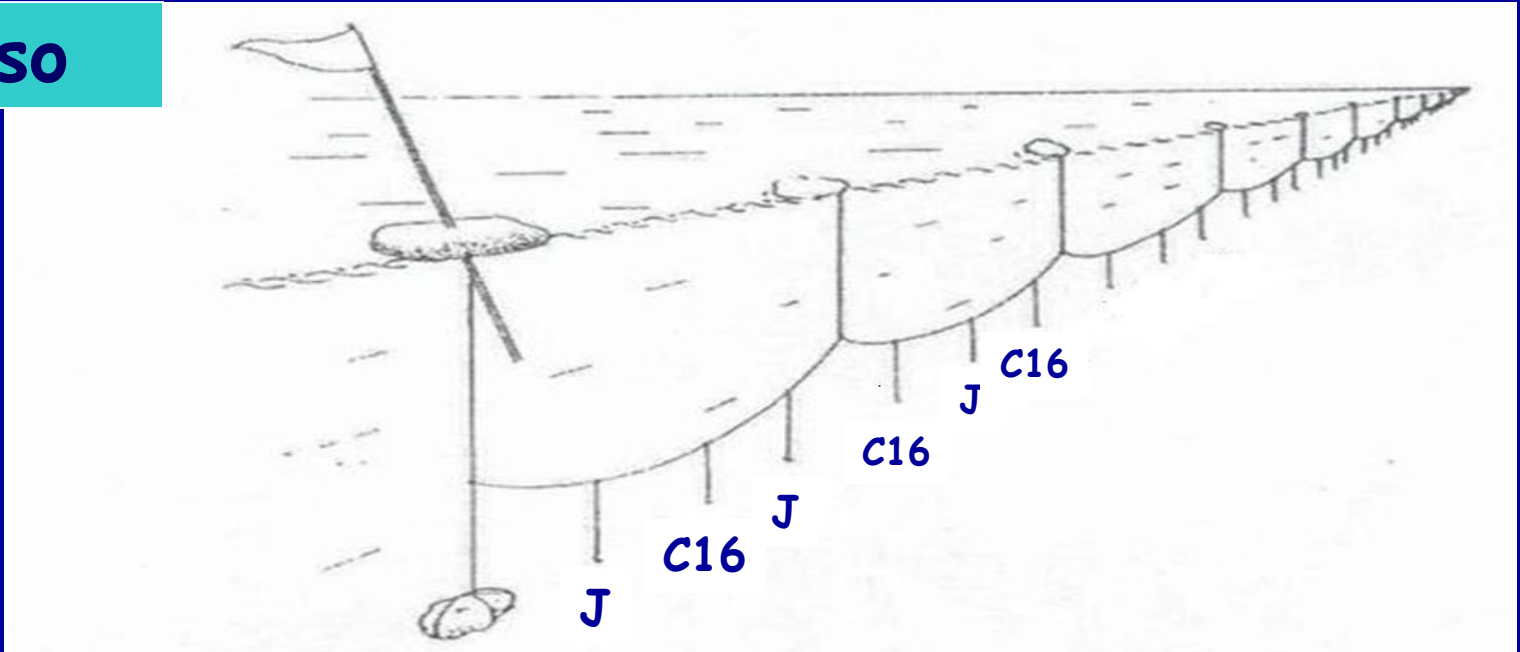
C12/0

C13/0

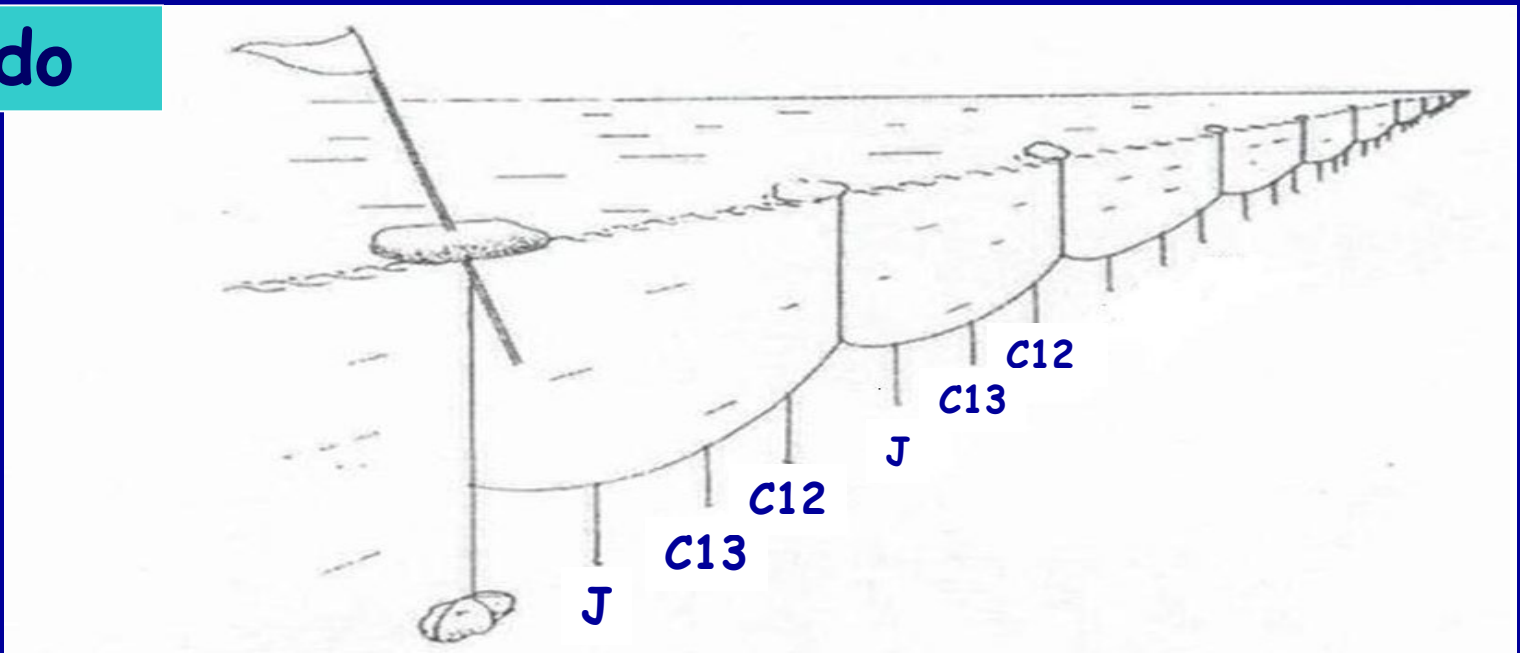
C16/0
with ring

C16/0
without ring

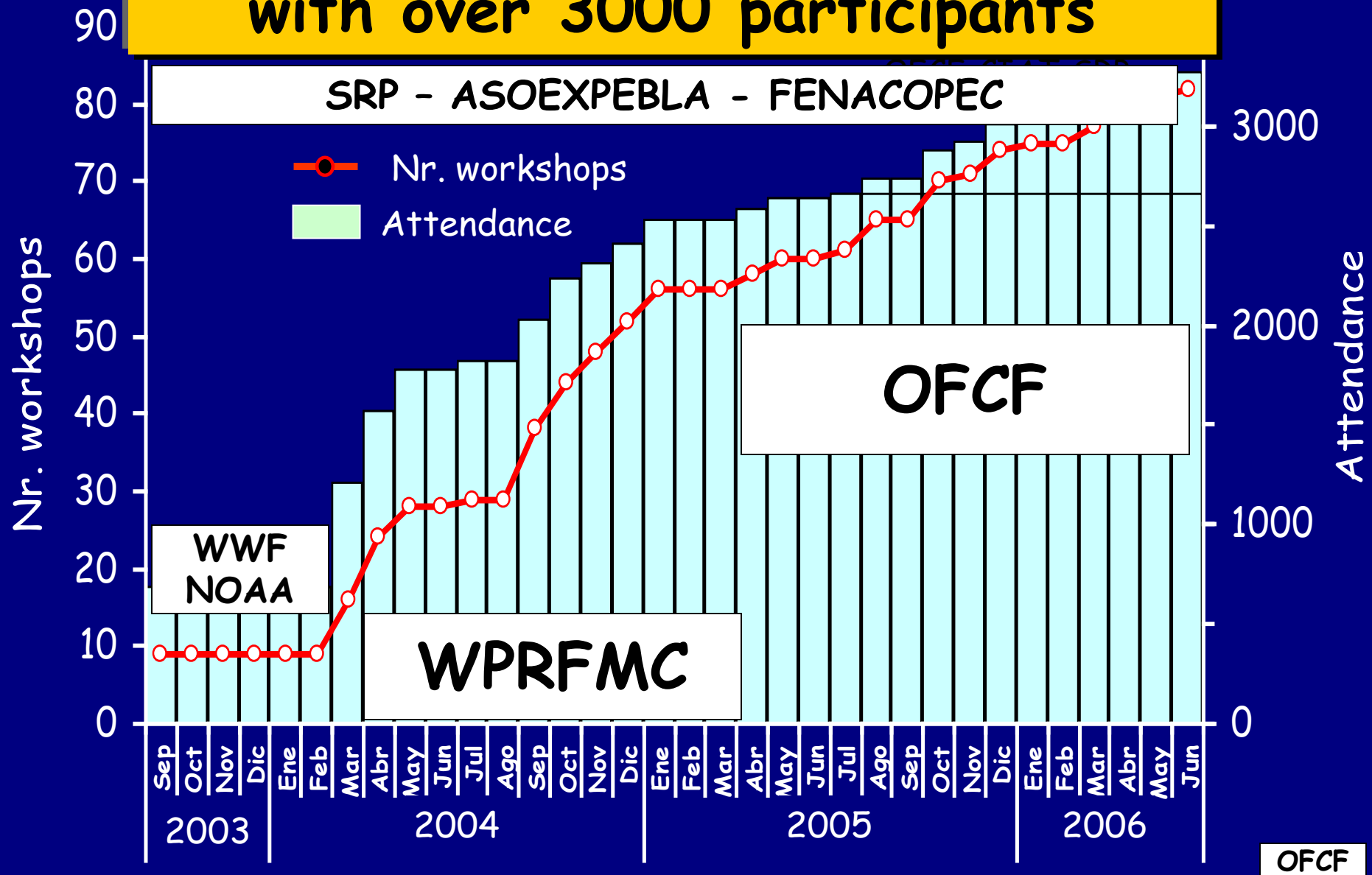
Grueso



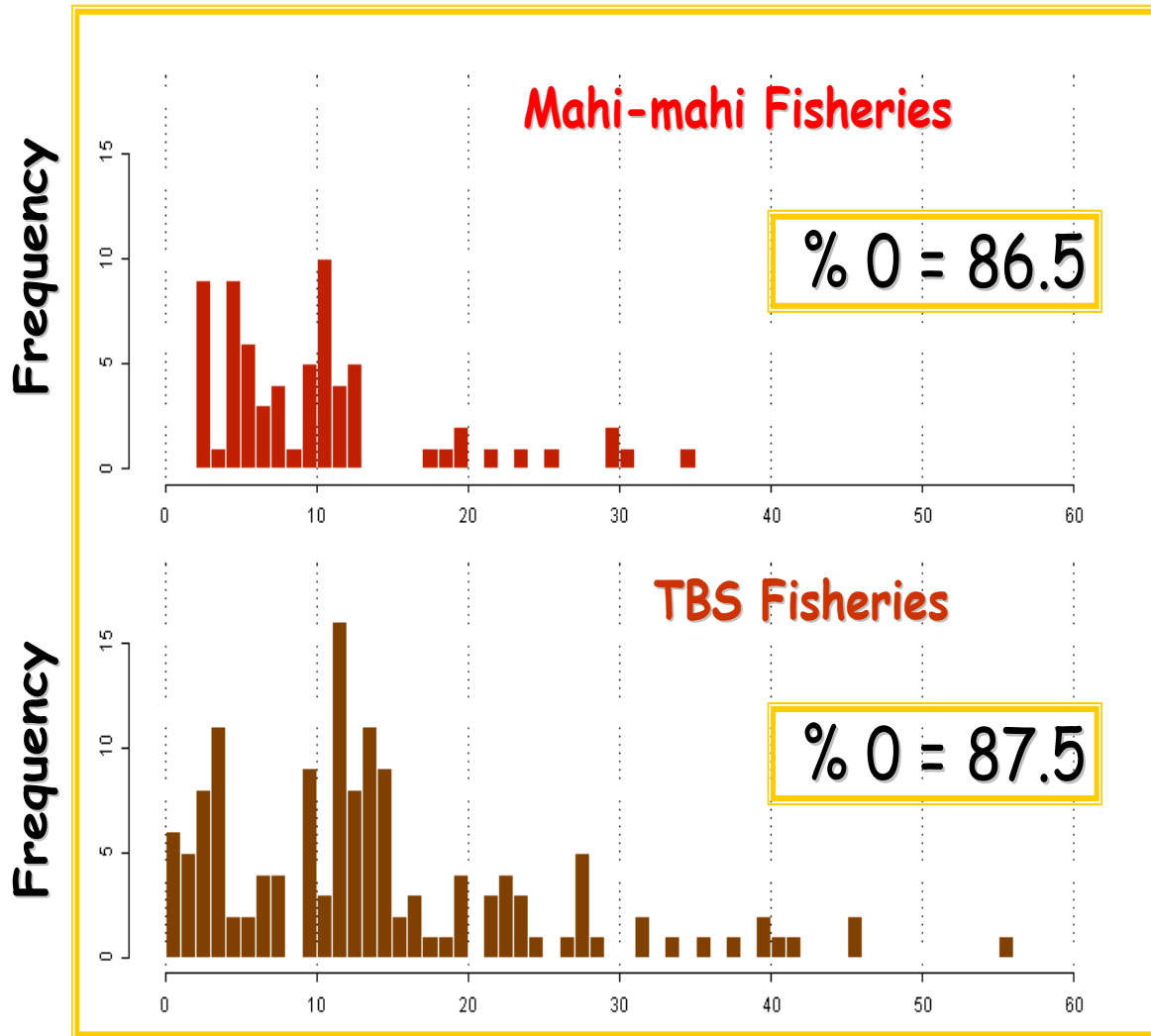
Dorado



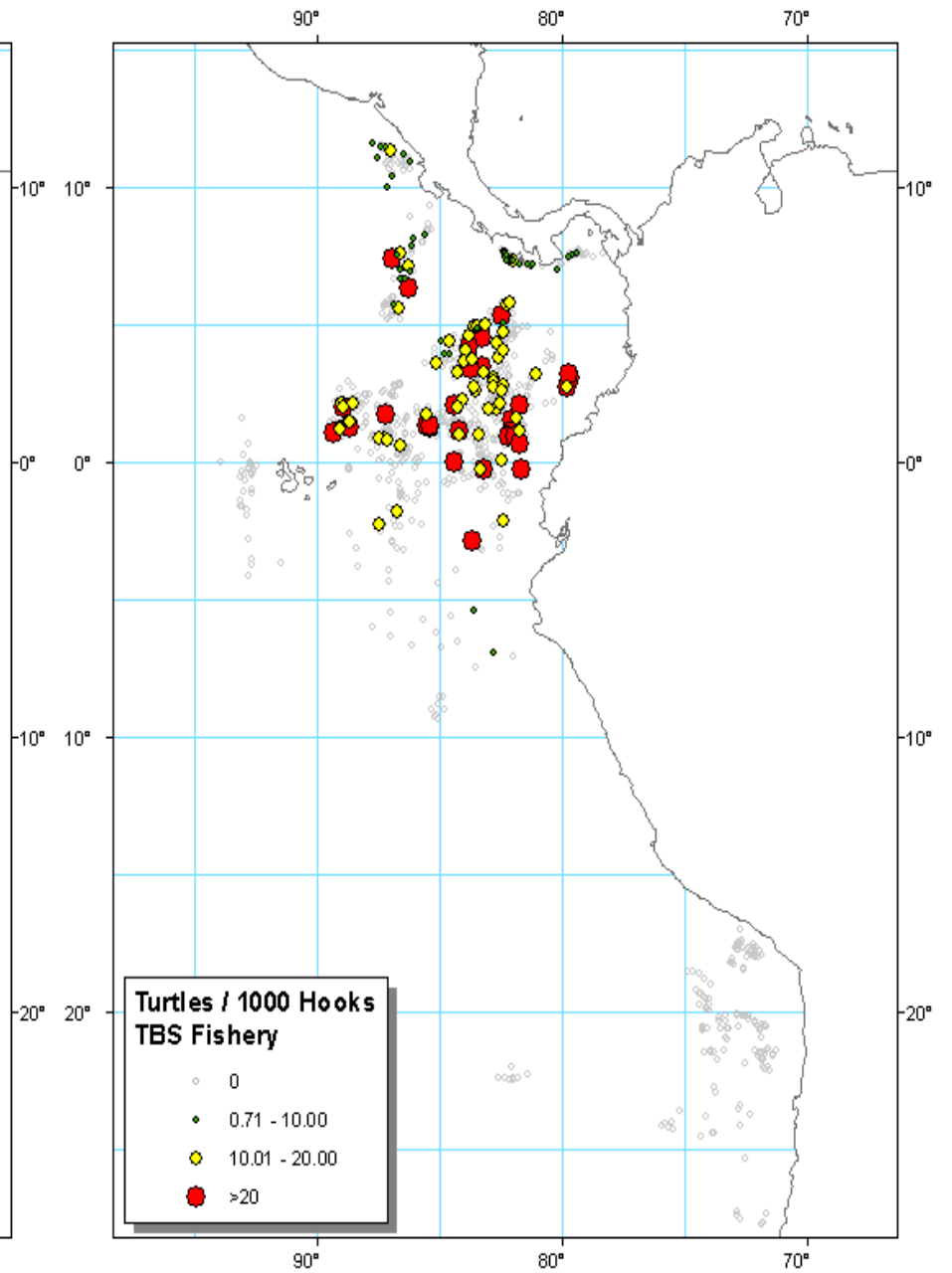
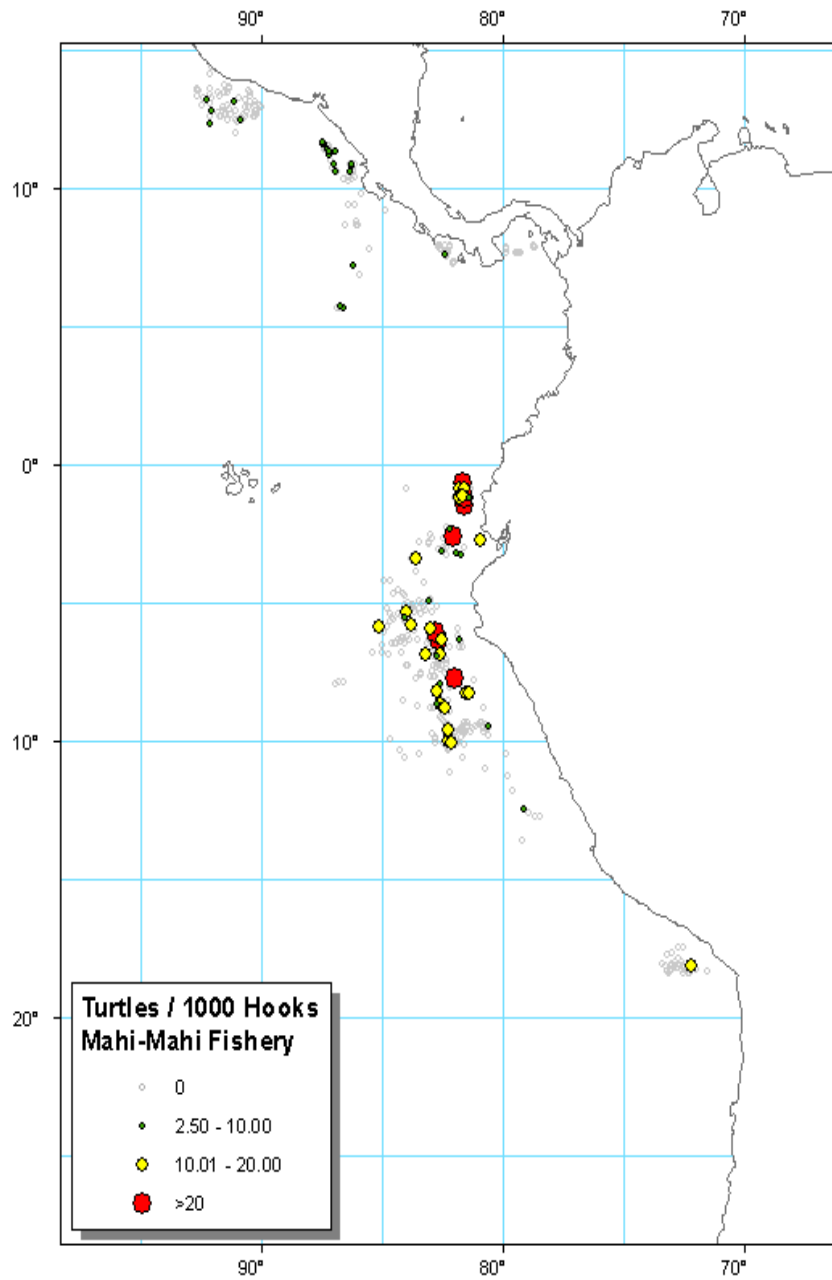
Ecuador: over 80 workshops with over 3000 participants

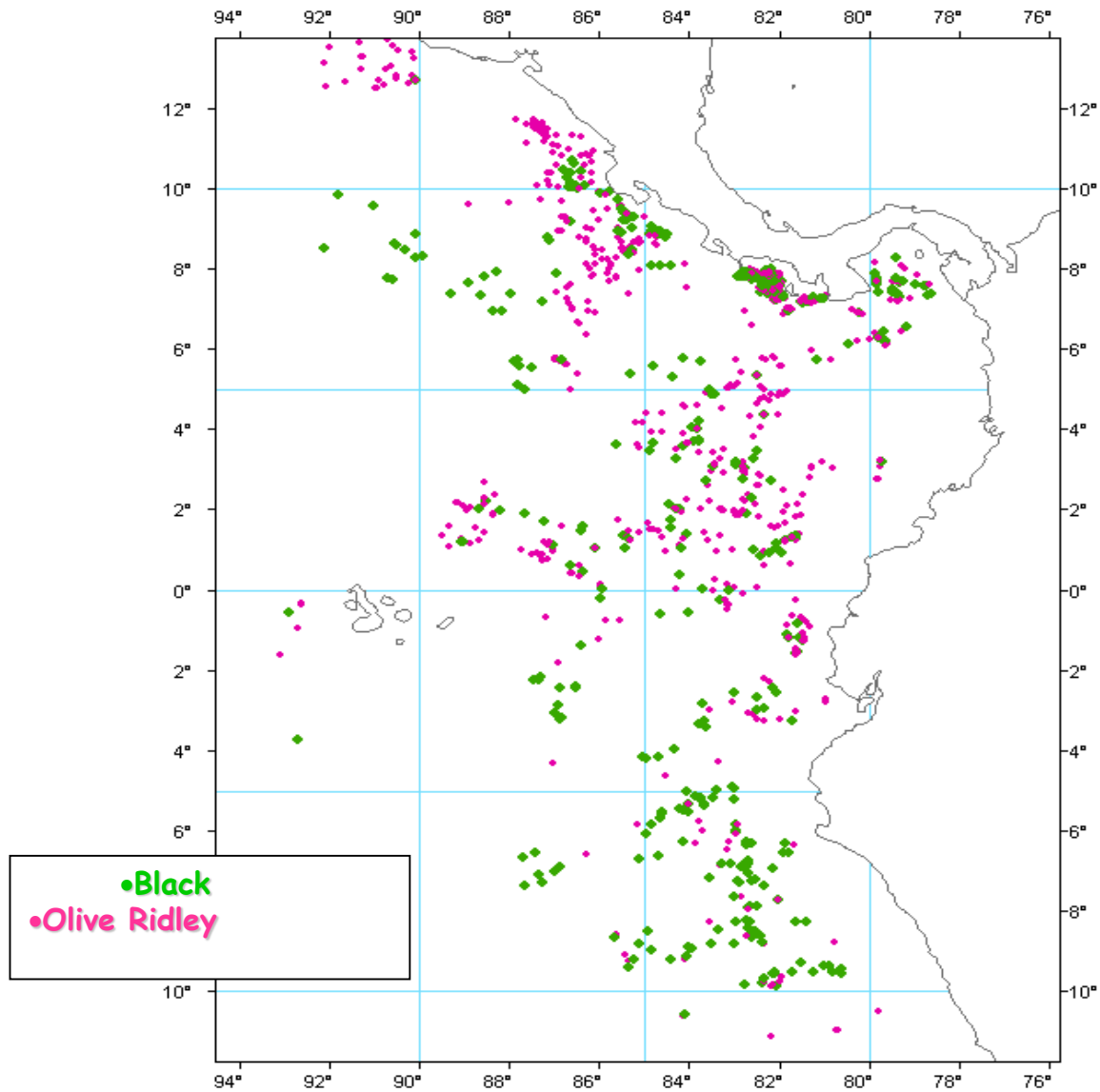


Country	Port	Nr observed trips	Nr observed sets	Nr experimental vessels
Costa Rica	Puntarenas	76	775	24
Ecuador	Manta	341	1394	136
El Salvador	Santa Tecla	10	19	5
Guatemala	San Jose	288	868	37
Panamá	Balboa	39	426	5
Perú	Ilo	31	210	7
Perú	Paita	18	147	13
Perú	Pucusana	24	195	11
	TOTAL:	827	4034	238



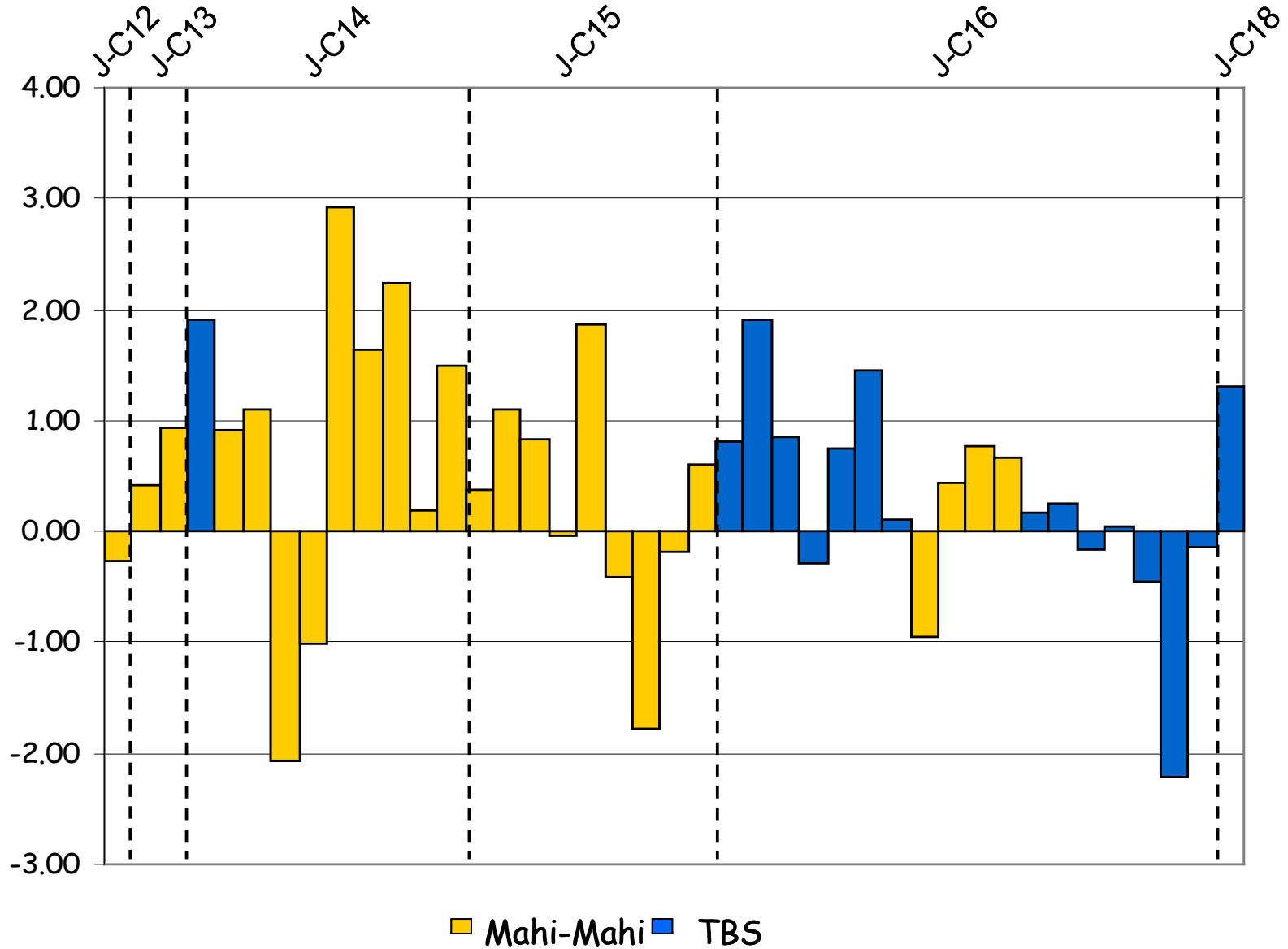
Frequency of turtle interactions in TBS and mahi-mahi fisheries.



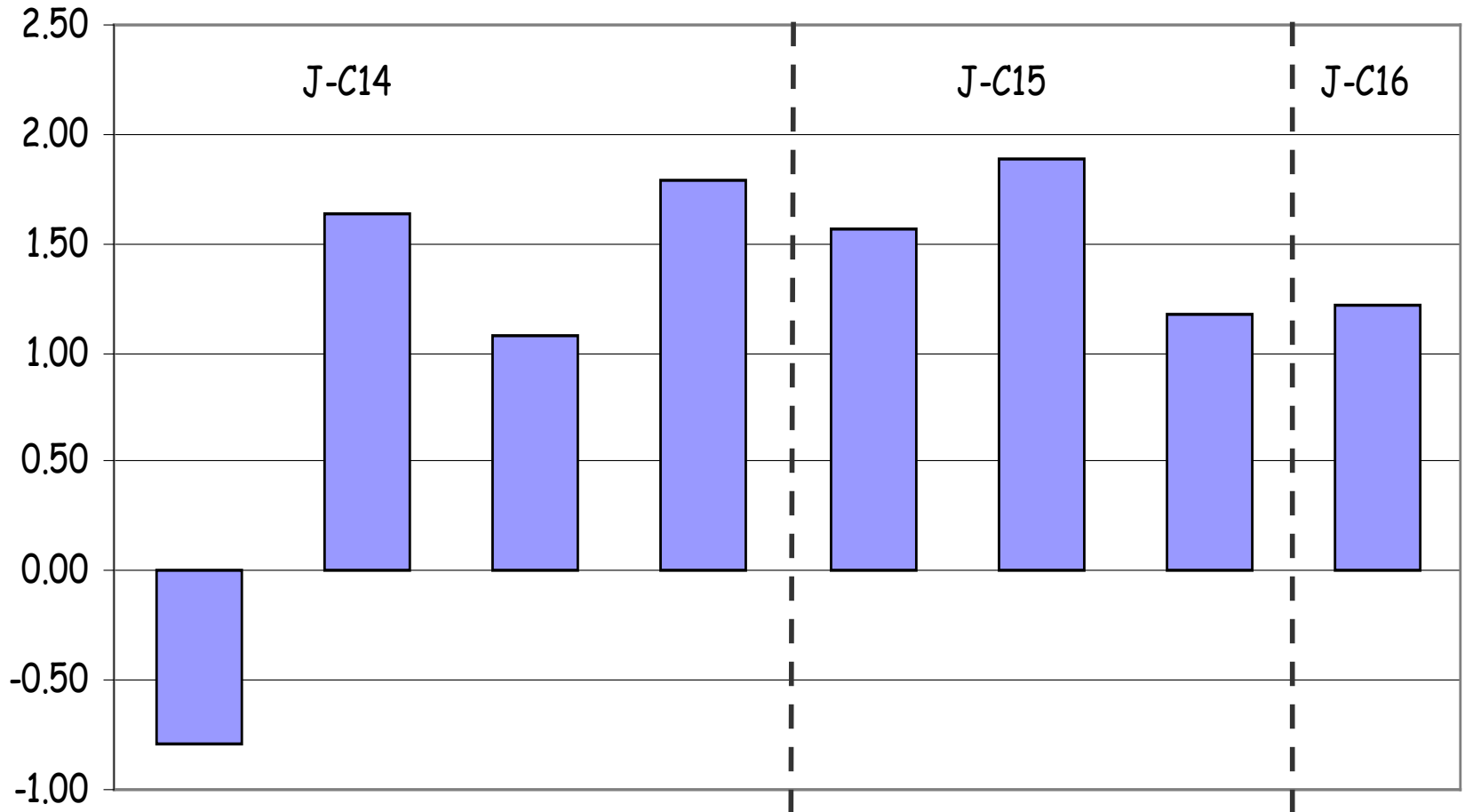


Olive ridley and black turtle interactions in all fisheries combined.

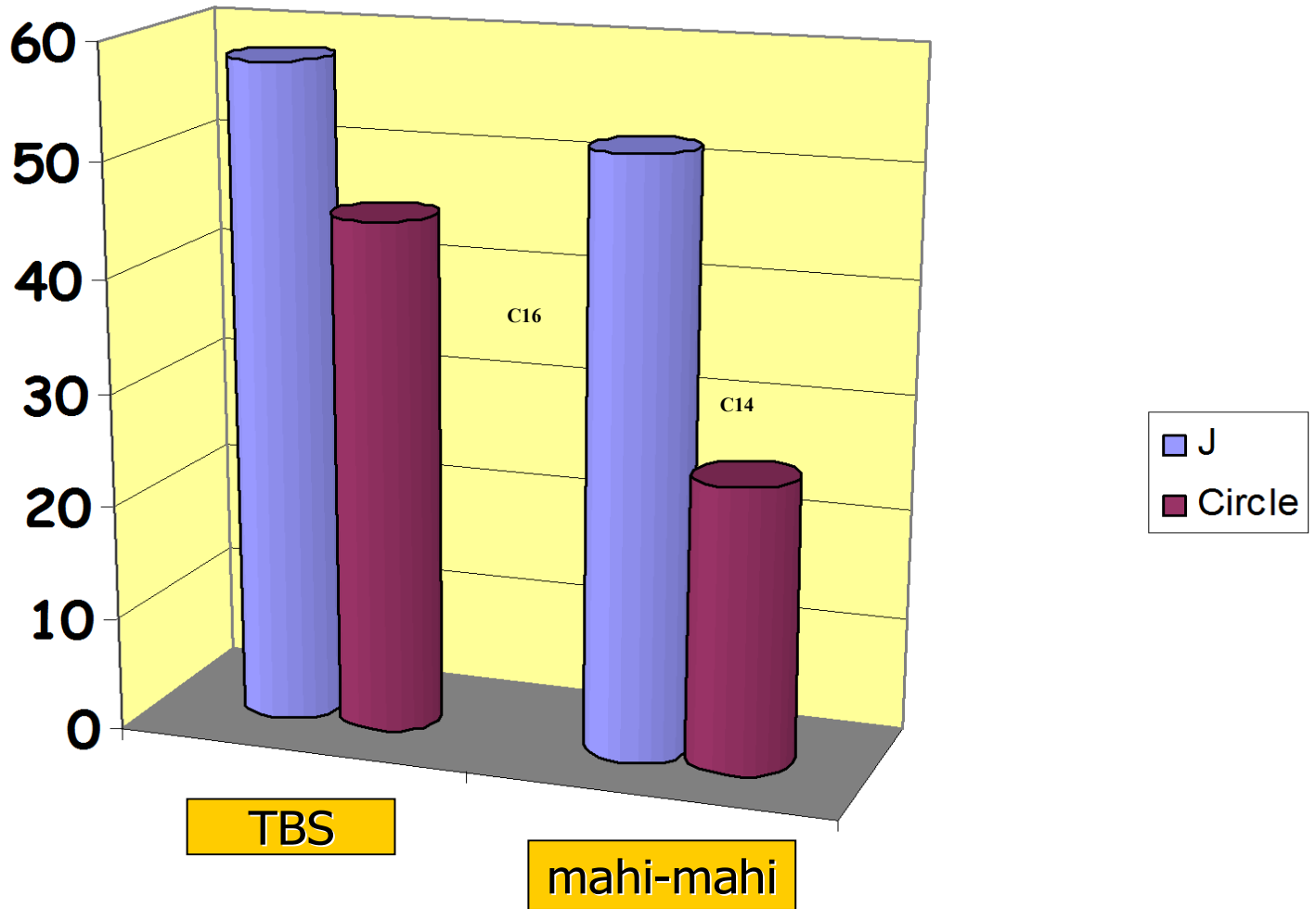
Surface Longline Fisheries



Bottom Longline Fisheries



% "Bad" hookings



Vessels



PERU

E/E Huamanga

CEP-Paita

16 m - 52 ft

Converted trawler



ECUADOR

B/P Siempre

Olayita + 4 Fibras

22 m - 72 ft

Fibras: 7.0 m - 7.5 m

Longliner

Muestra 18 lances, 25,000 anzuelos

Control J

C 13/0 alambre

C 16/0



Enganches tortugas

Peru resultados - **80%** - **100%**

Ecuador resultados - **53%** - **53%**

Resultados globales - **63%** - **70%**

Enganches menor supervivencia

76%

25%

12%

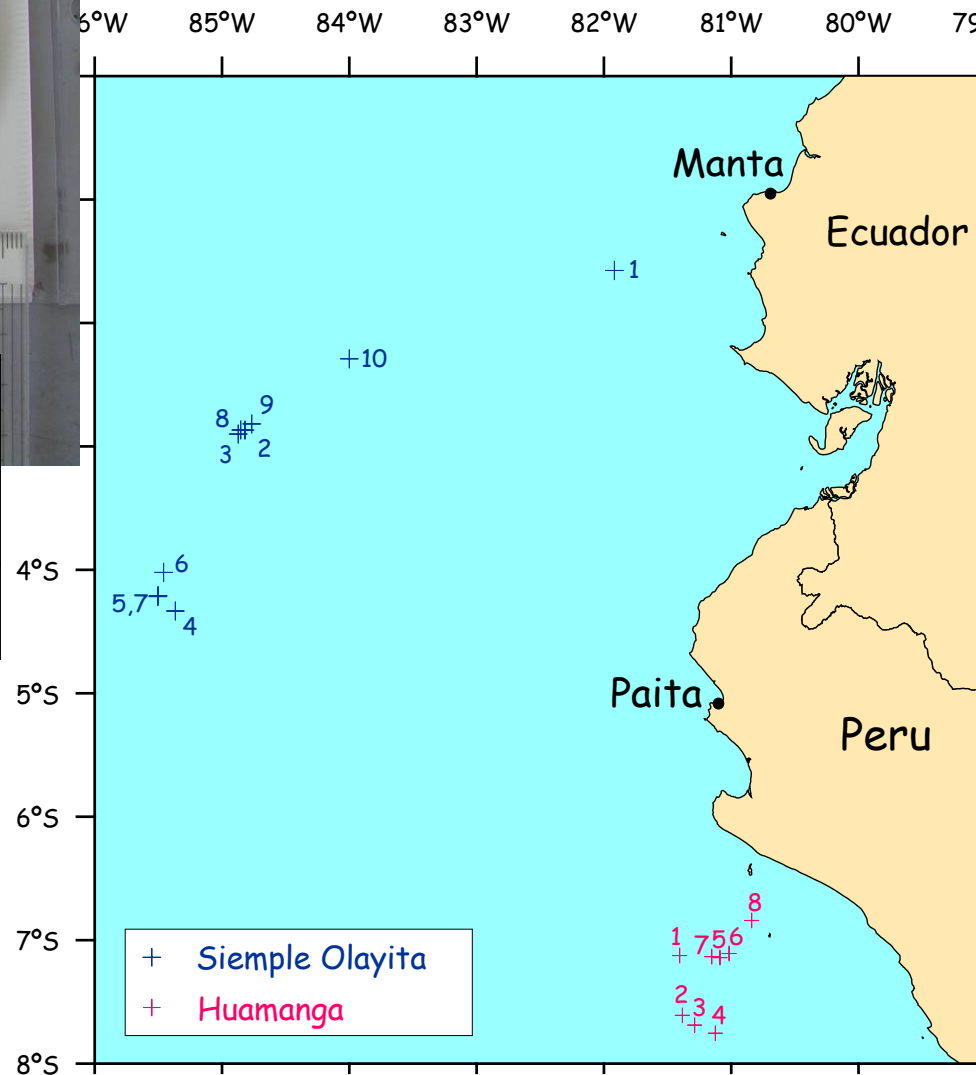
Captura peces

27.8

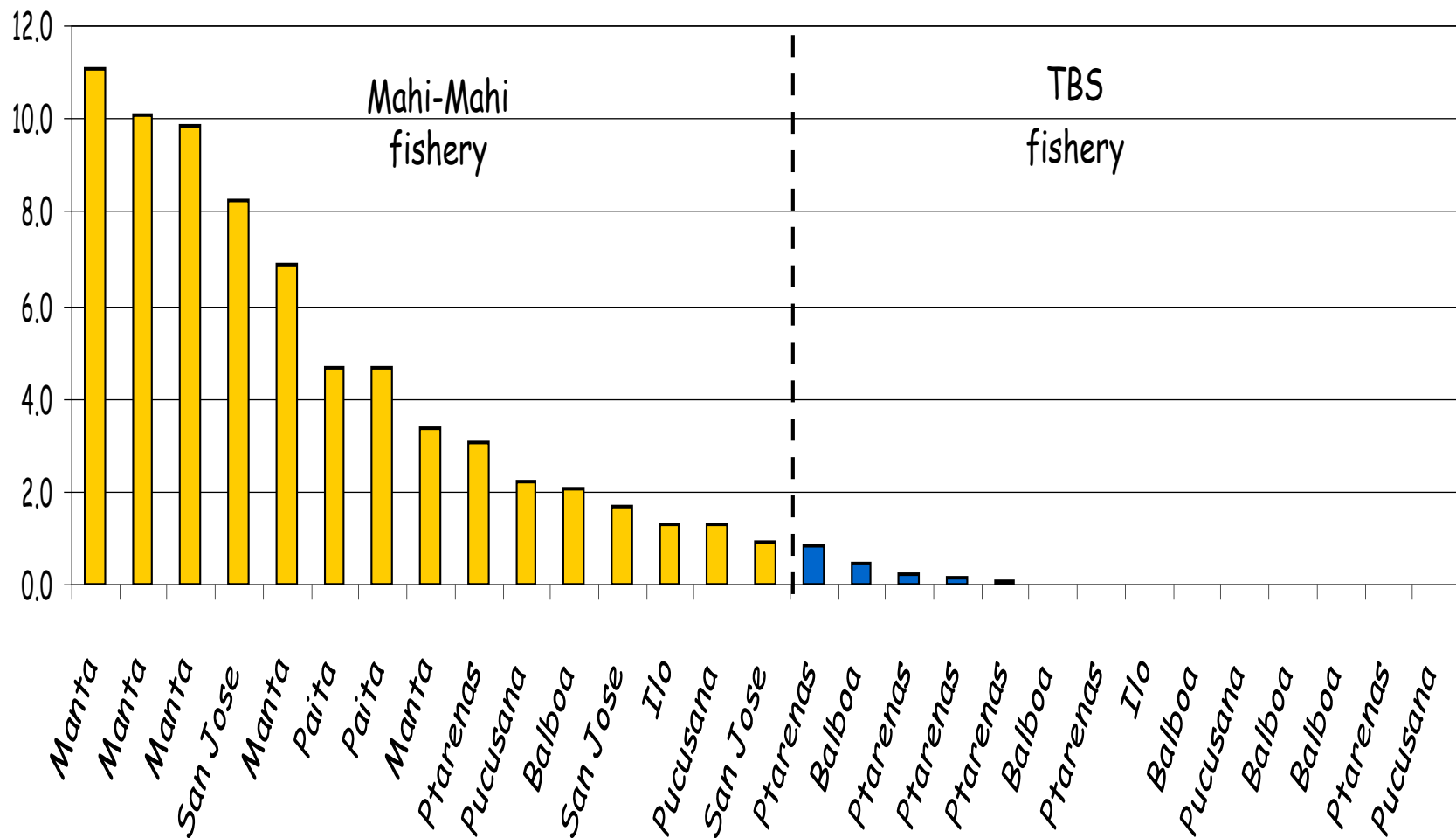
30.0

23.9

Takahisa Mituhasi, Charles Bergmann,
Manuel Parrales, Jairo Calderon,
Martin Hall

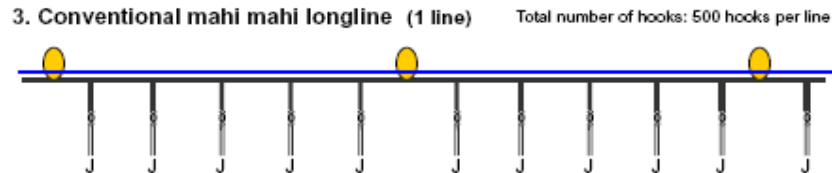
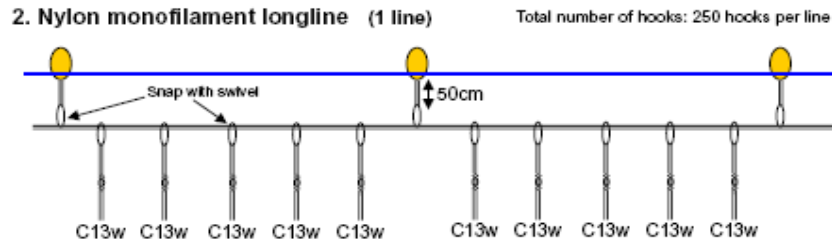
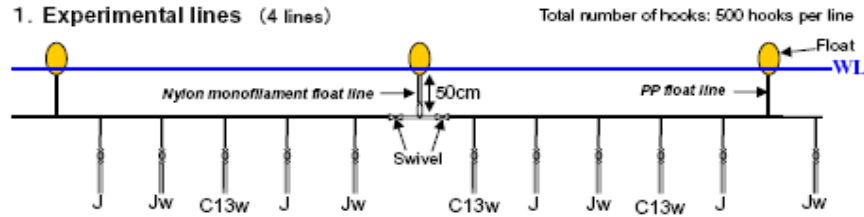


Entanglements per 1000 Miles



OFCF-IATTC-SRP PROJECT FOR
THE REDUCTION OF INCIDENTAL CATCHES OF SEA TURTLES IN ECUADOR

Diagram of mahi mahi longlines used in the experiments



<u>Hook type and sizes</u>	<u>Line materials</u>
J : J hook size No.4	— Polypropylene (PP) rope
Jw: J hook size No.4 with wire appendage	— Nylon monofilament (PA mono)
C13w : Circle hook size 13 with wire appendage	

1cm