

Nature of marine mammal - longline interactions

"The Big Picture"

Two 'modes':

- **Depredation**

- Deep-set: false killer whales, pilot whales
- Shallow-set: Risso's and bottlenose dolphins
- Most often hooked in mouth

- **Accidental hooking or entanglement**

- Small dolphins, beaked whales
- Large whales

Frequency of depredation and marine mammal takes, 2003-2008 (excluding vessels during and after experimental trips)

DEEP-SET	# Sets	%	Sets with MM Takes	
Sets with MM depredation	1000	6%	20	2.0%
Sets without MM depredation	16729	94%	22	0.1%
TOTAL	17729		42	0.2%
SHALLOW-SET	# Sets	%	Sets with MM Takes	
Sets with MM depredation	130	3%	0	0.0%
Sets without MM depredation	4588	97%	14	0.3%
TOTAL	4718		14	0.3%

Fishermen and observers report that
depredation is becoming more frequent

Questions?