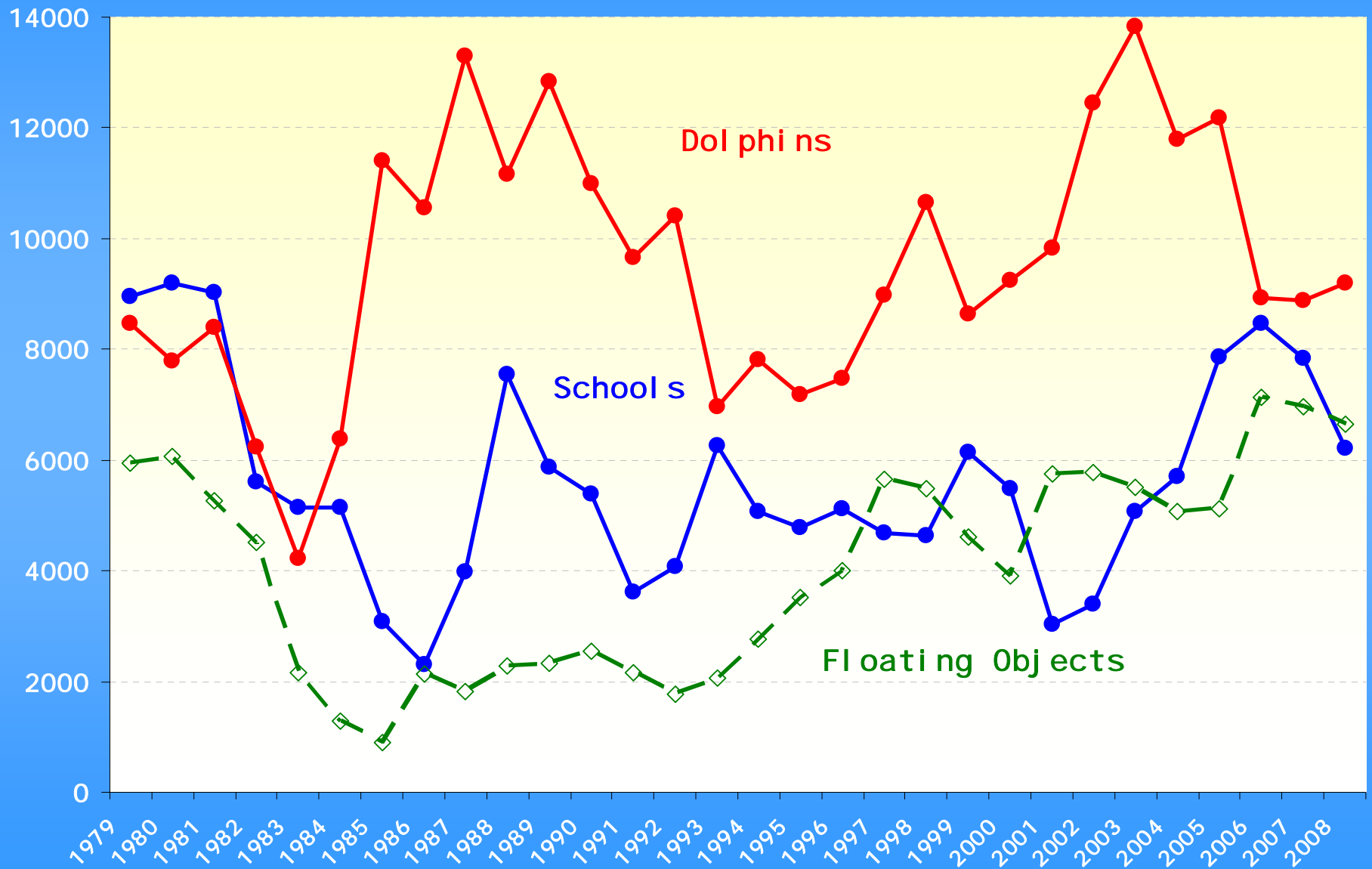
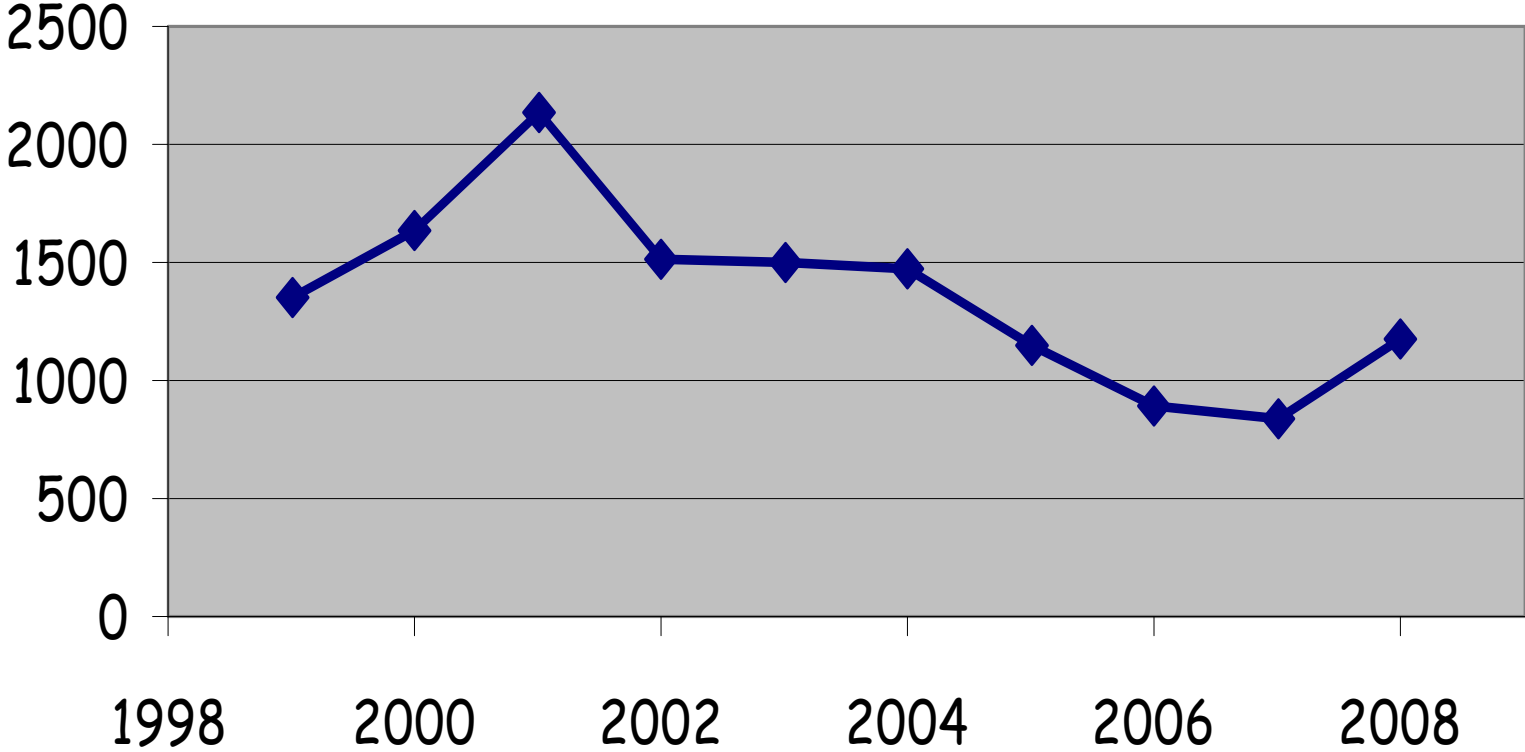


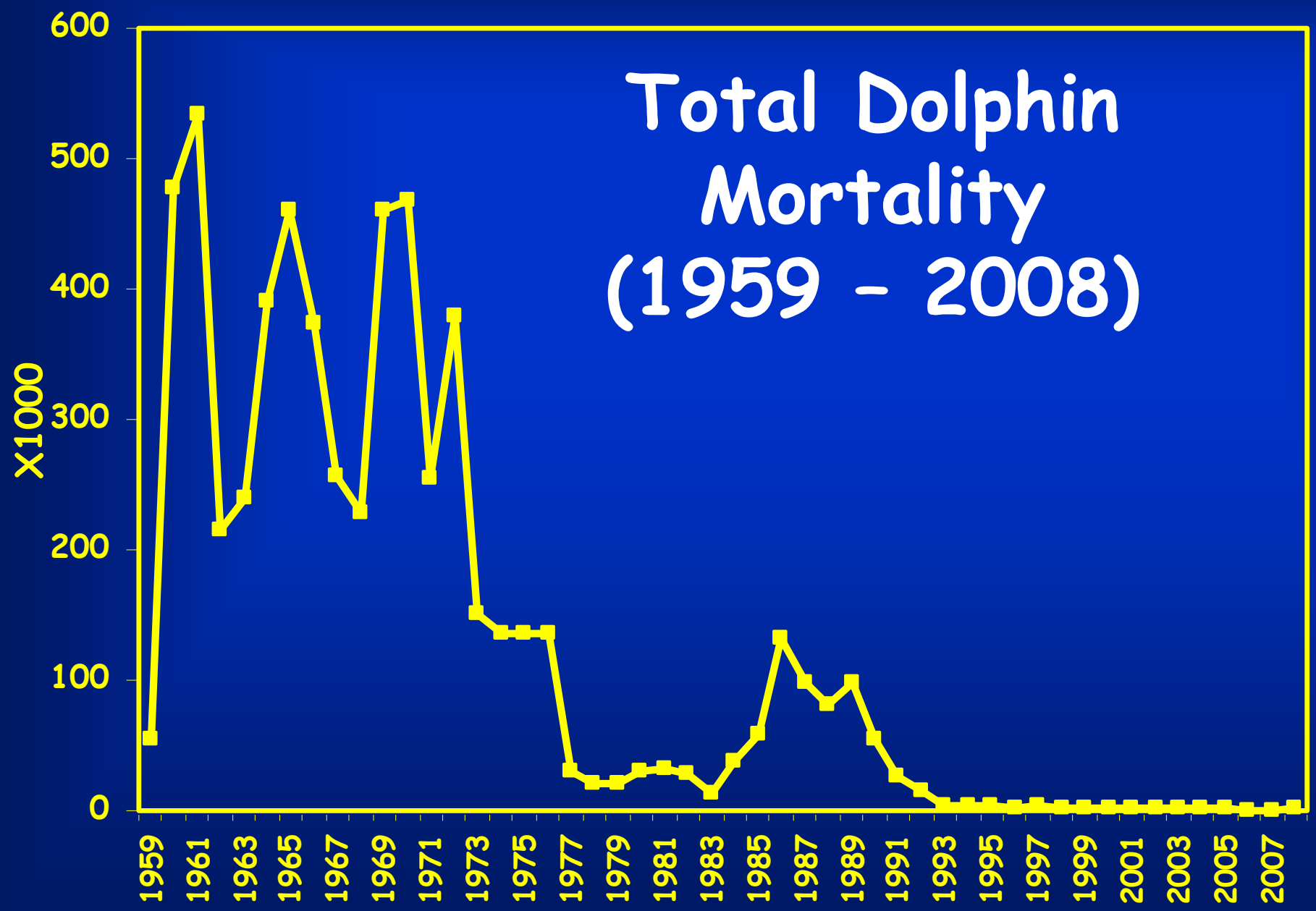
# Number of sets by type (1979-2008)



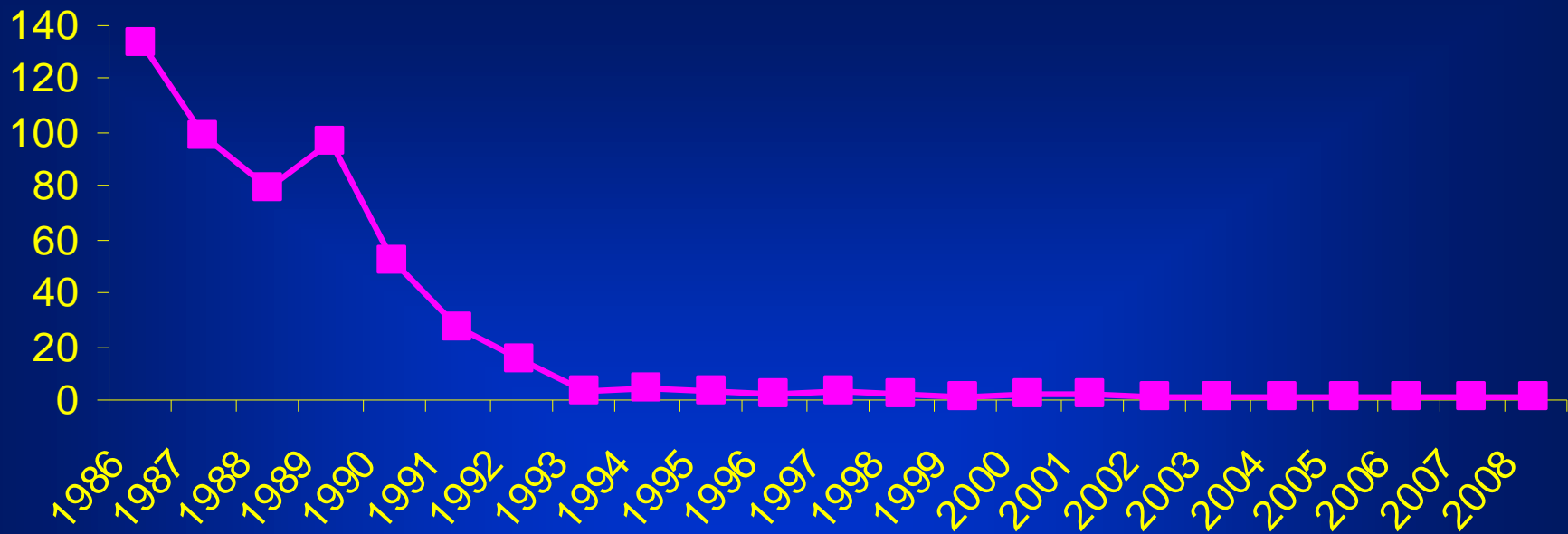
# Dolphin mortality



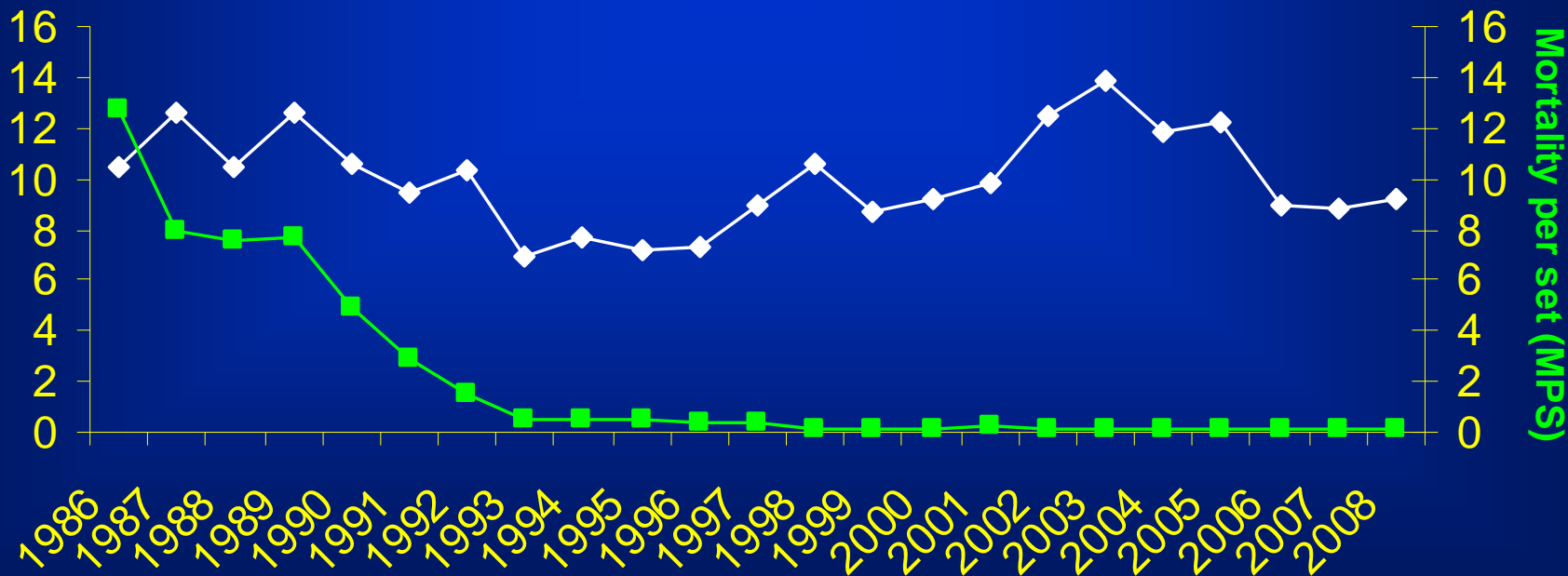
# Total Dolphin Mortality (1959 - 2008)



Total mortality (x1000)



Dolphin sets (x1000)



2008 incidental dolphin mortality estimates, population abundance (Gerrodette et al., 2006), and relative population mortality.

Stock	Incident mort	Population abundance	Relative mortality (%)
<u>Offshore spotted dolphin</u>			
Northern / eastern	183	782,900	0.02
Southern / western	165	892,600	0.02
<u>Spinner dolphin</u>			
Eastern	349	592,200	0.06
Whitebelly	170	617,100	0.03
<u>Common dolphin</u>			
Northern	107	449,462	0.02
Central	14	577,048	< 0.001
Southern	138	1,525,207	0.01
<u>Other dolphin</u>	45	2,802,300	< 0.001
Total	1171		

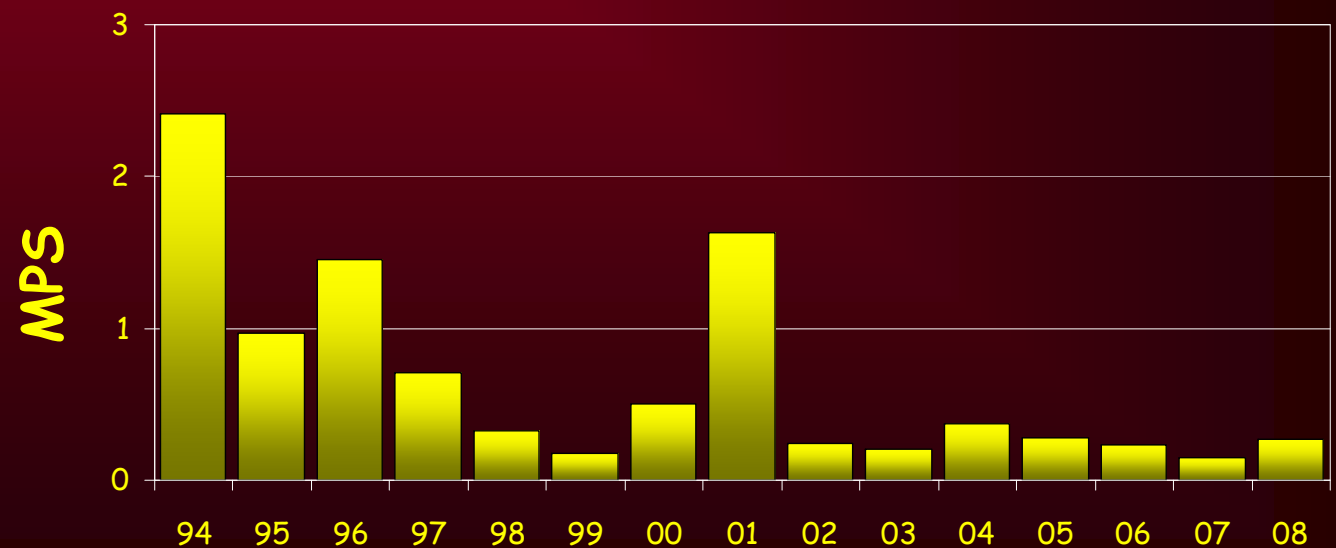
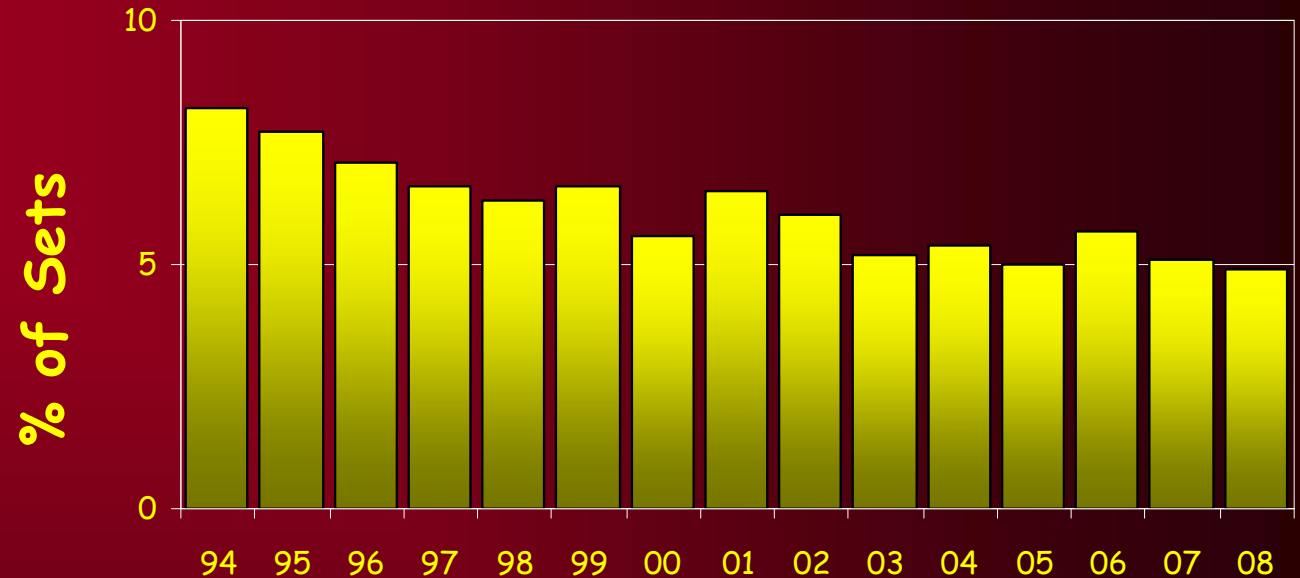
# Problem: Major Gear Malfunctions

## MPS 2008:

- Malfunctions: 0.26
- No malfunction: 0.14

## SOLUTIONS:

- Gear maintenance
- Avoid gear stress
- Responses: net towing, rescue platforms



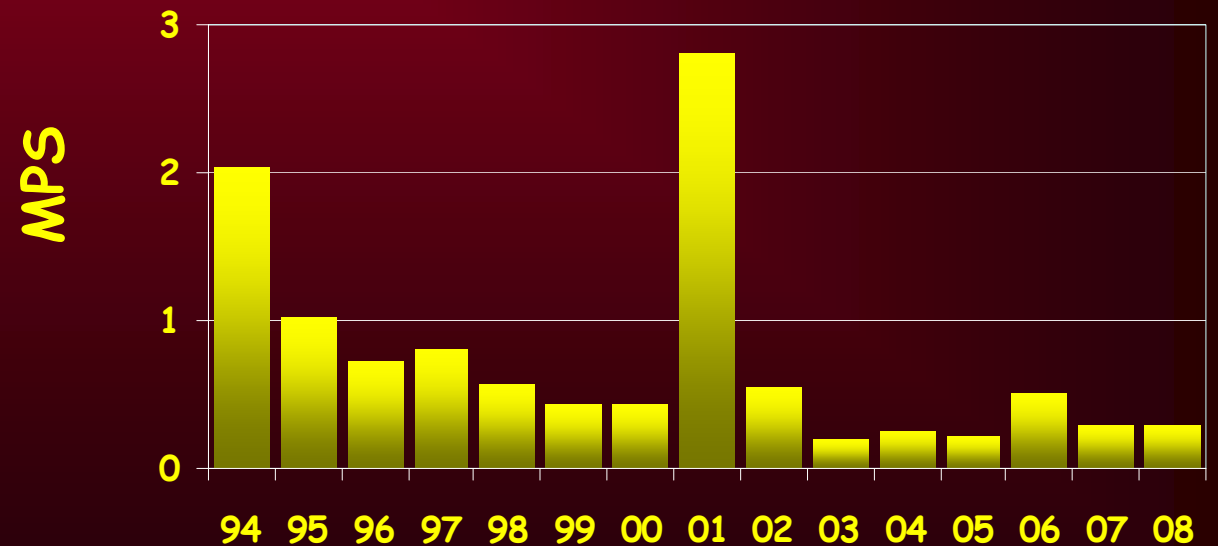
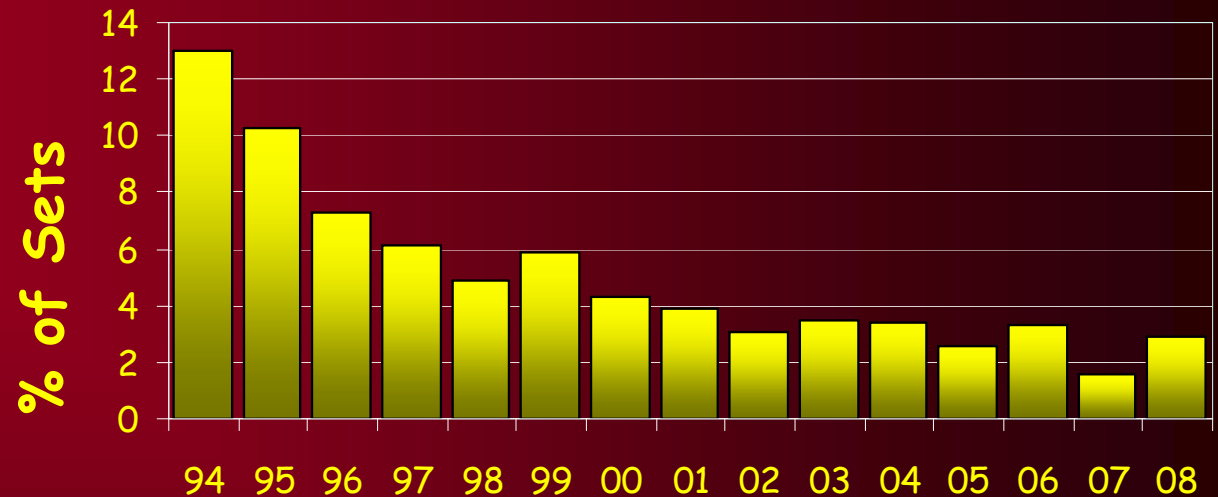
# Problem: Net Collapse

## MPS 2008:

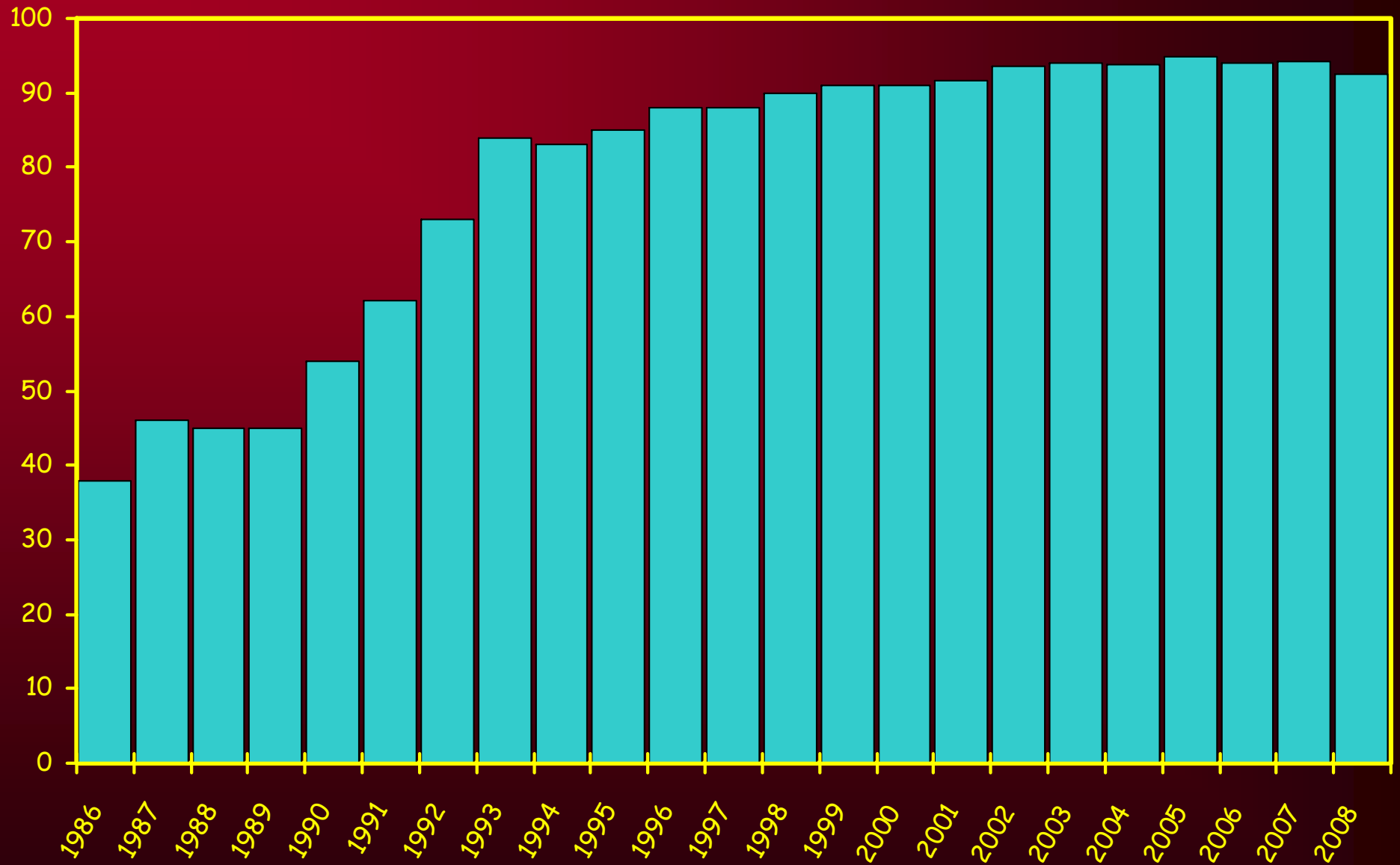
- Net collapse: 0.28
- No net collapse: 0.19

## SOLUTIONS:

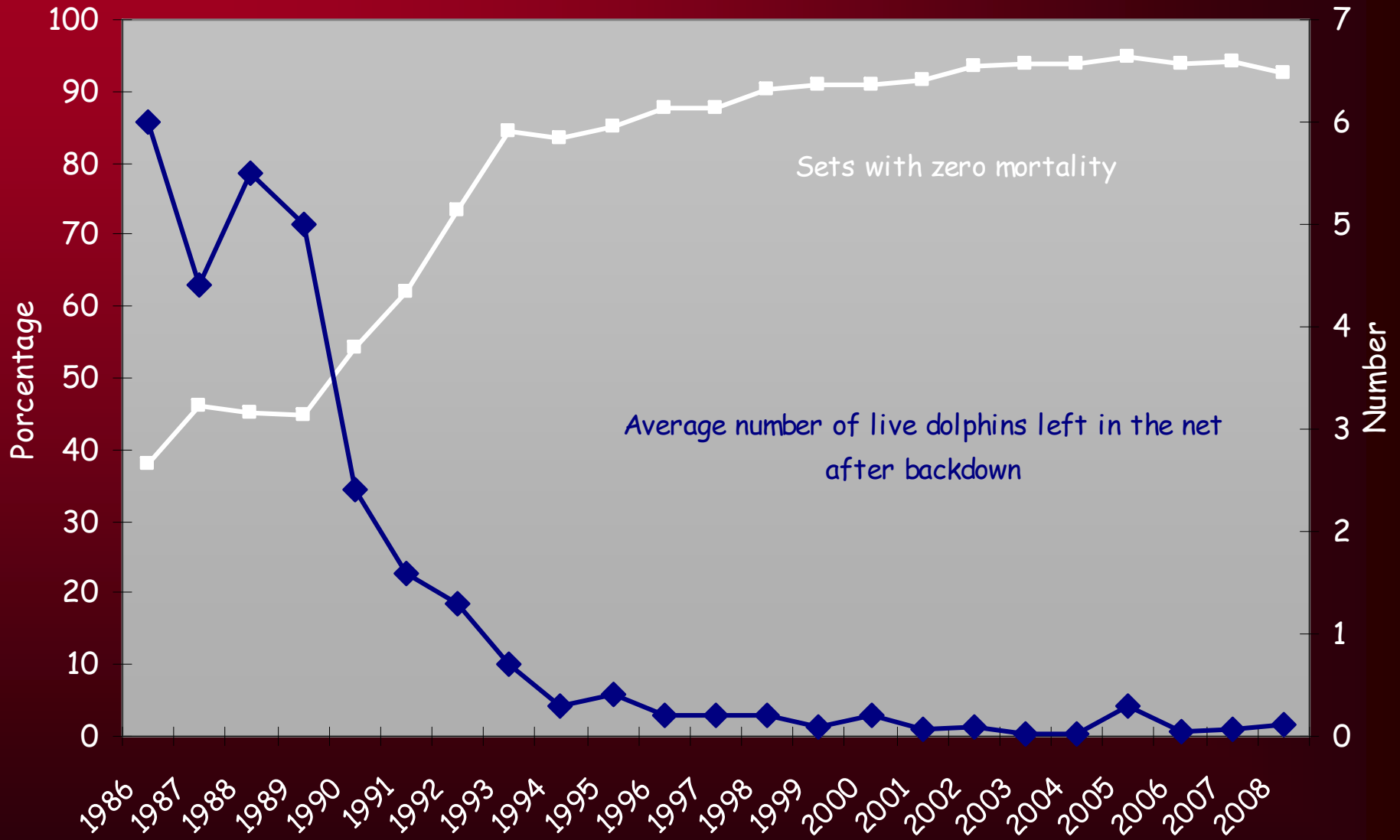
- Avoid strong currents
- Maintain gear
- Set downwind
- Tow vessel and net
- Minimize set delays
- Herd dolphins away from the collapse
- Backdown with proper arc

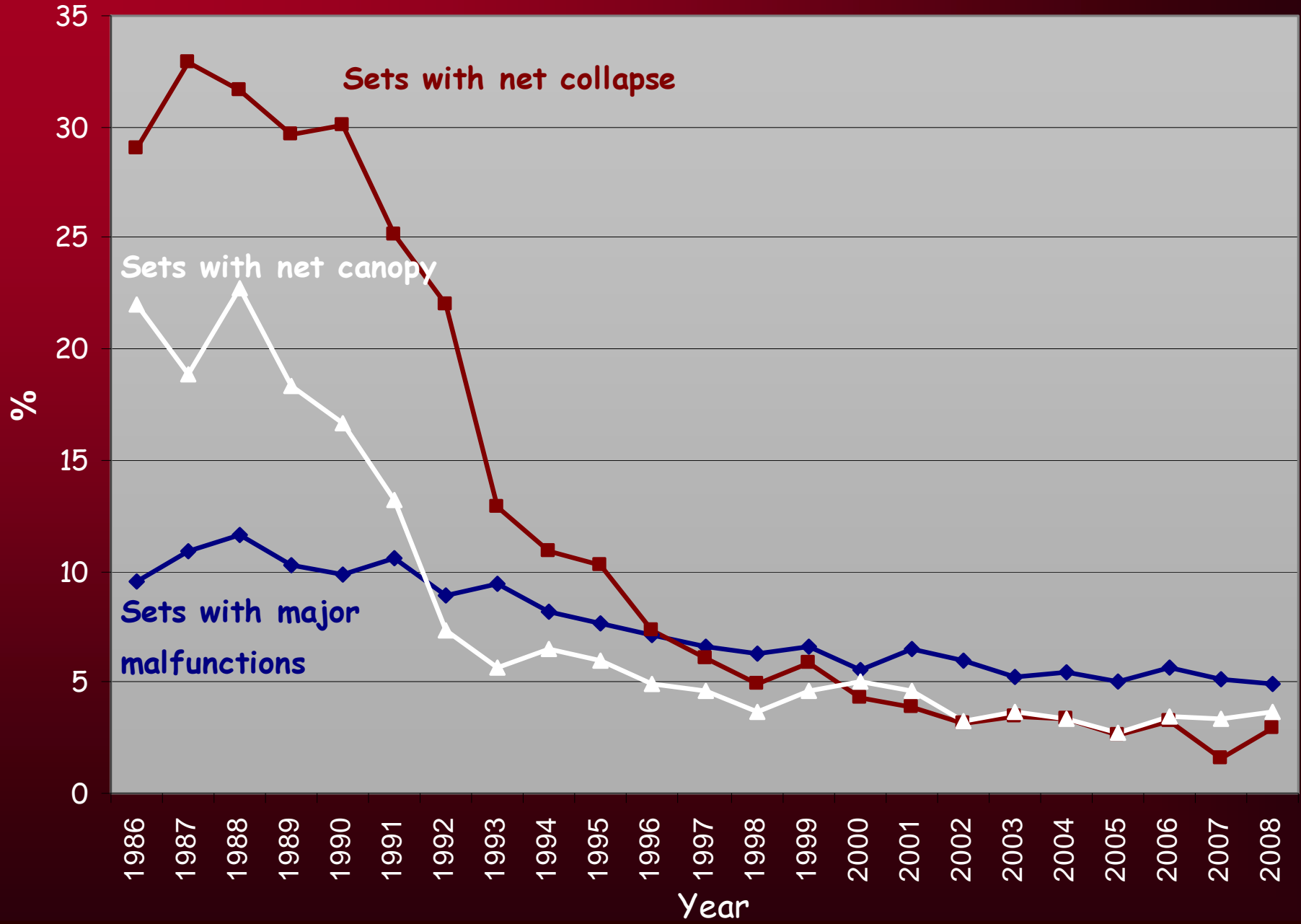


# Percentage of dolphin sets with zero mortality



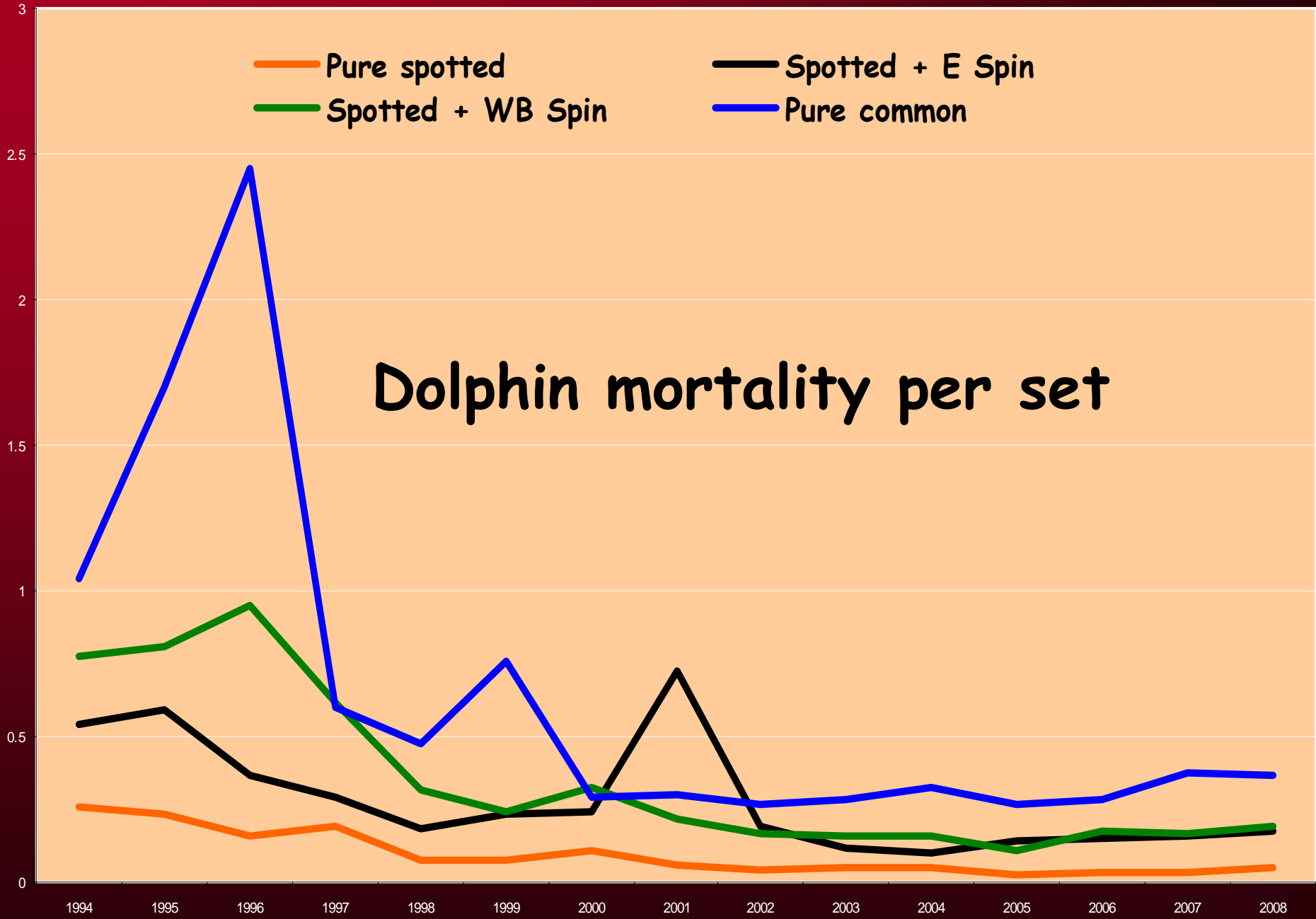
Comparison of the number of dolphin left in the net after backdown, and mortality

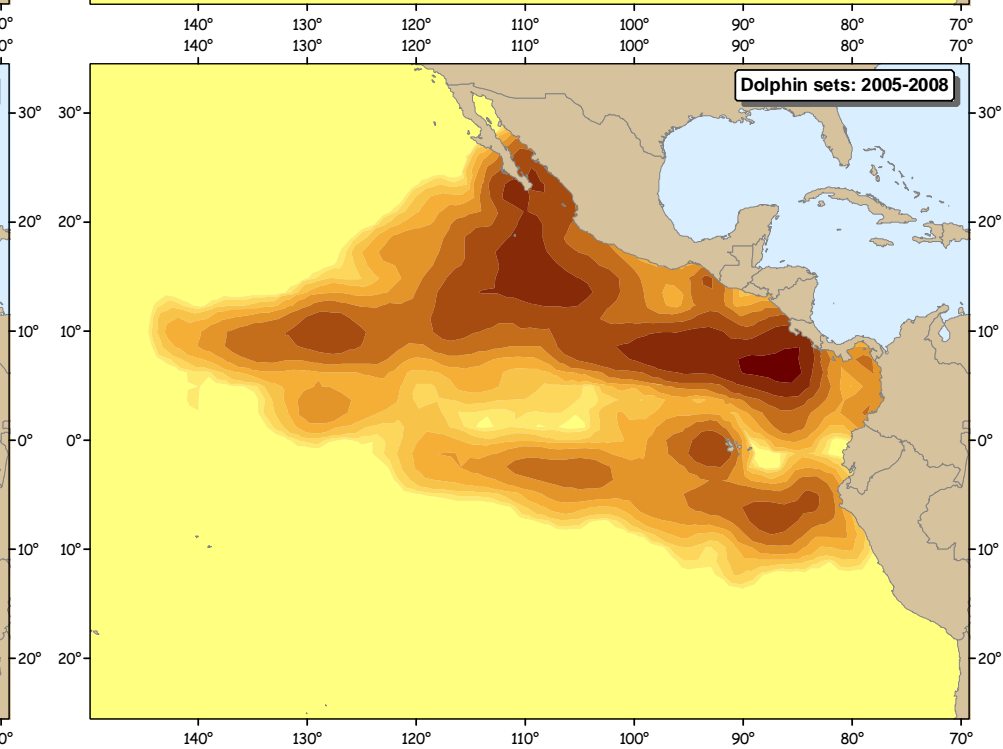
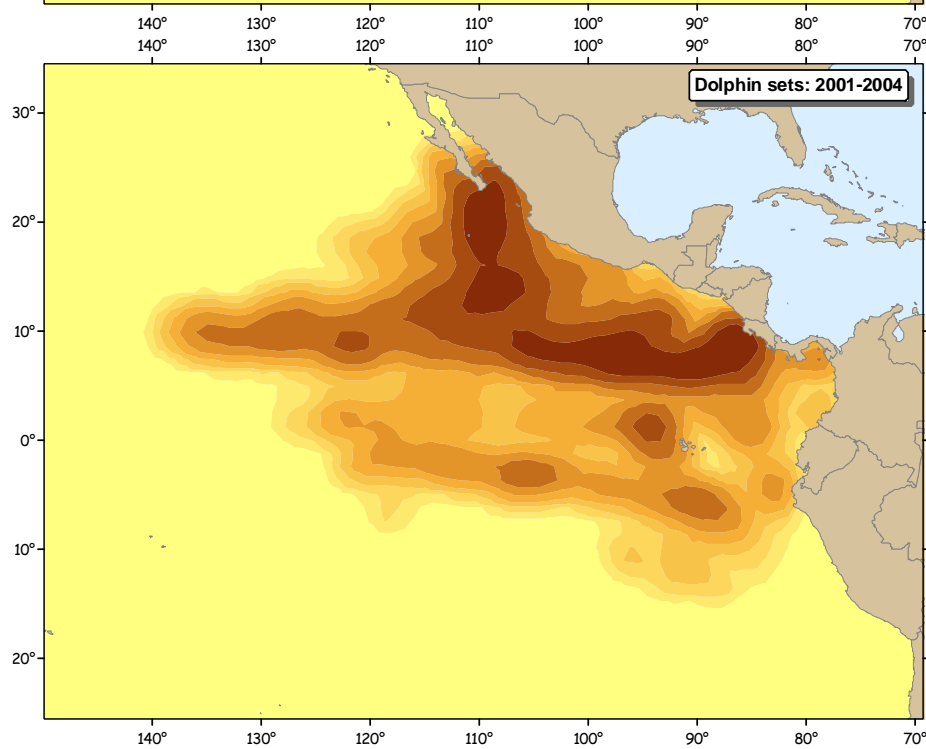
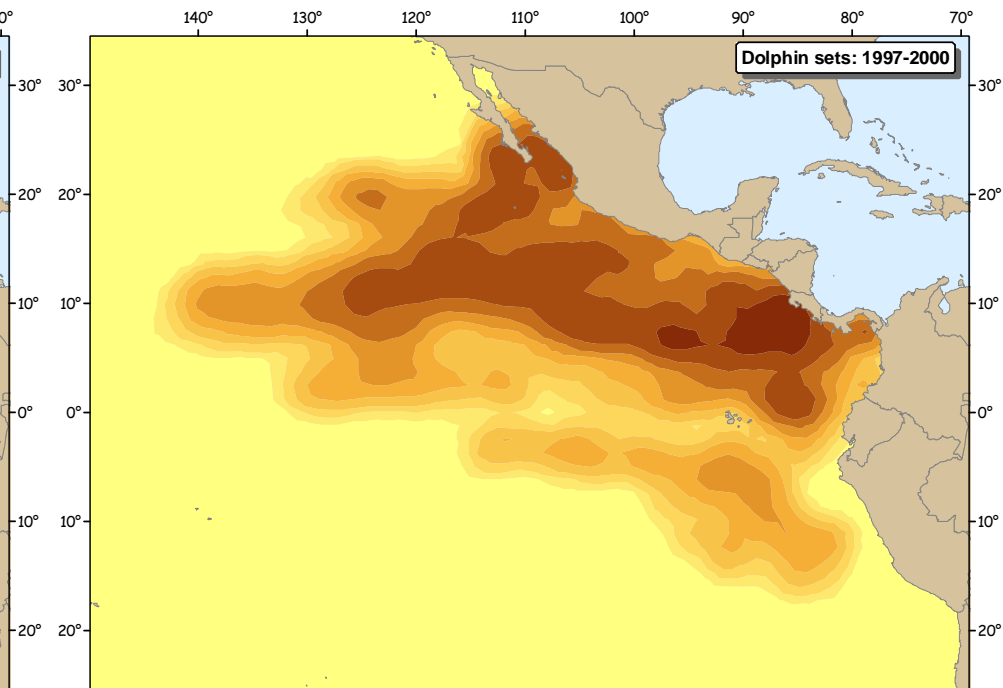
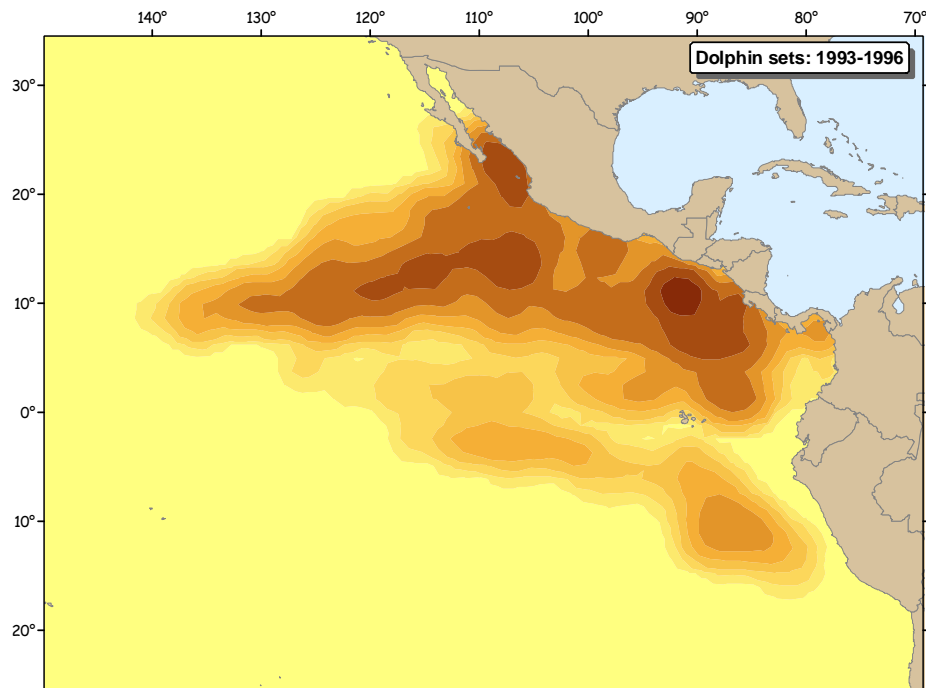


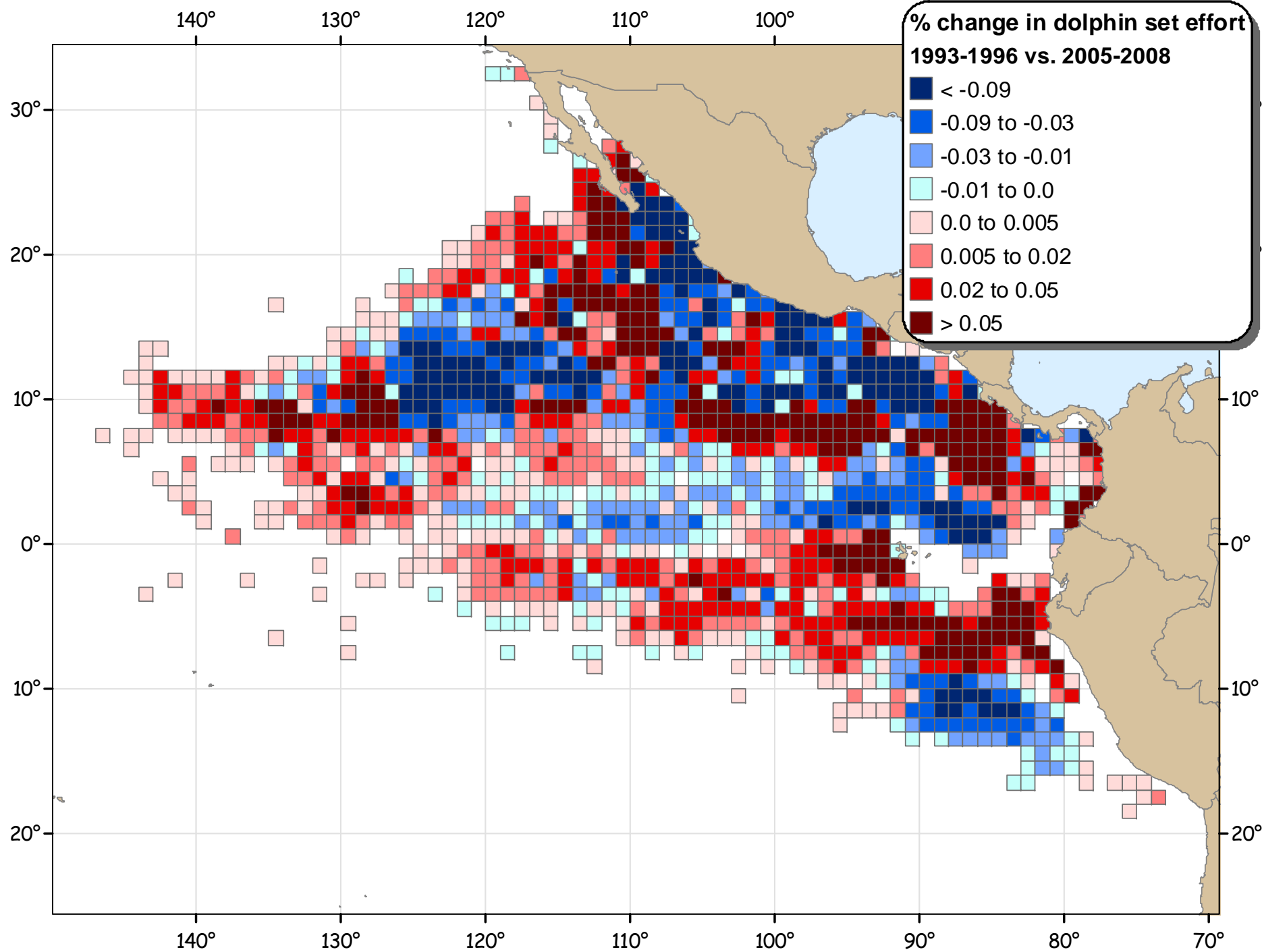


# Dolphin mortality per set

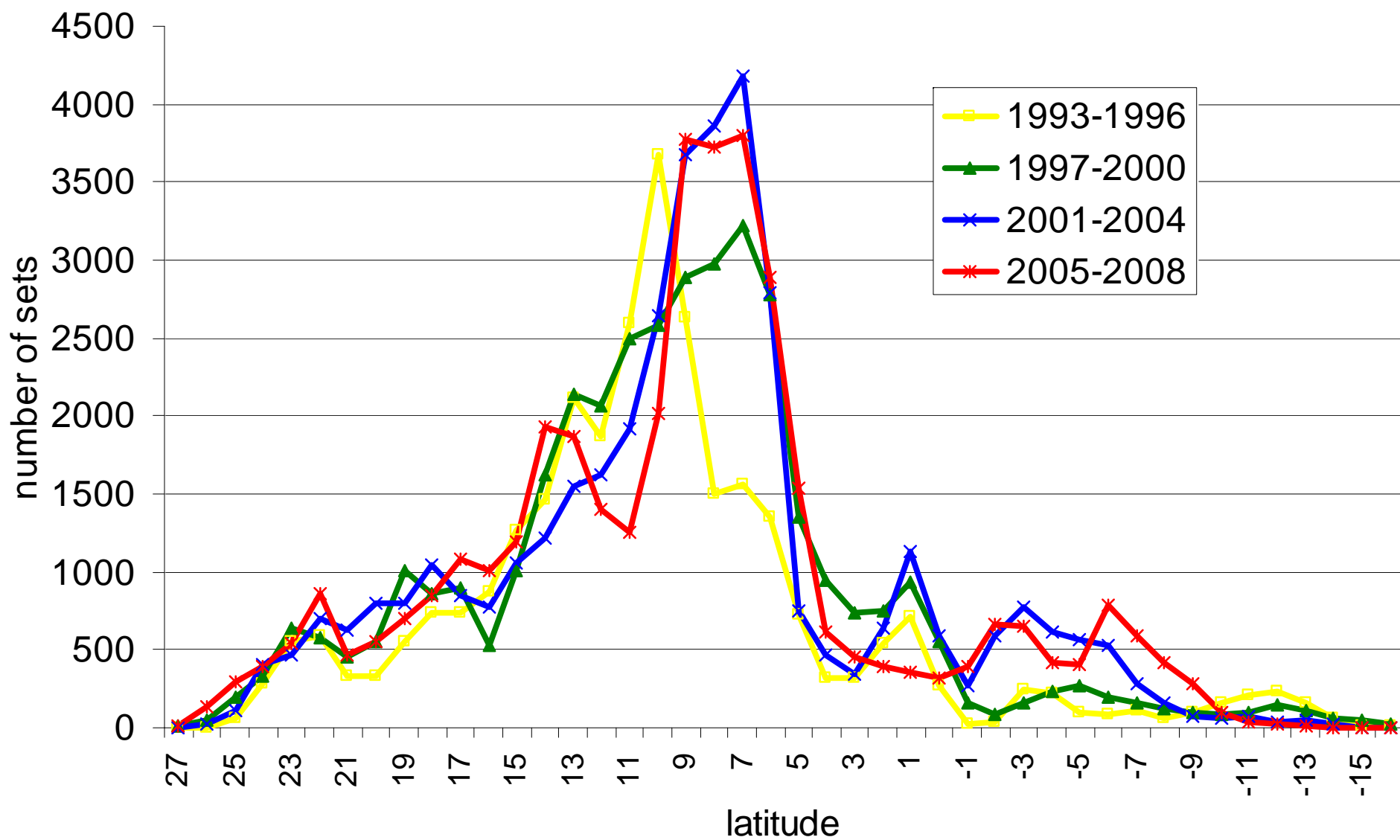
- Pure spotted
- Spotted + WB Spin
- Spotted + E Spin
- Pure common



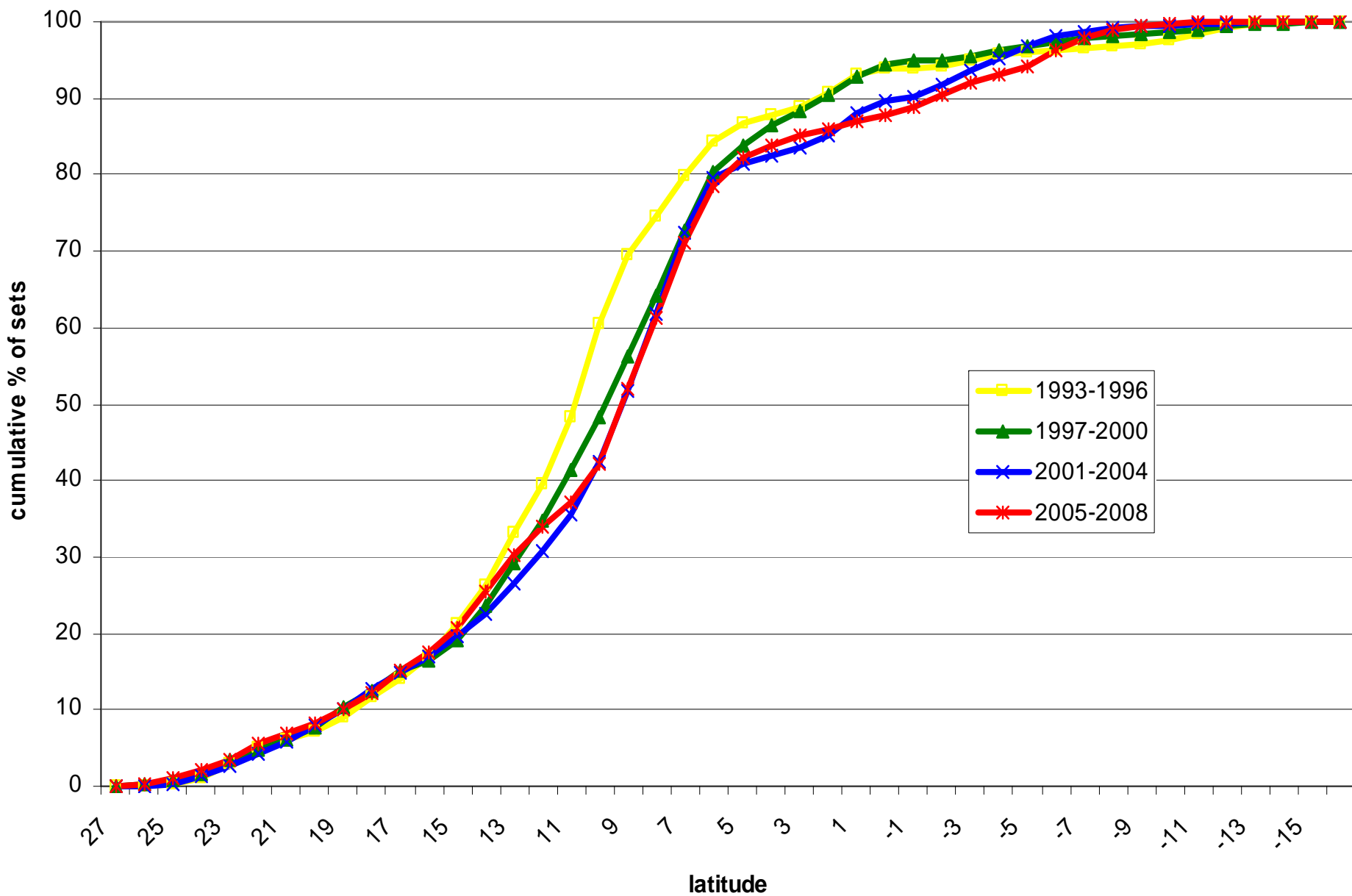




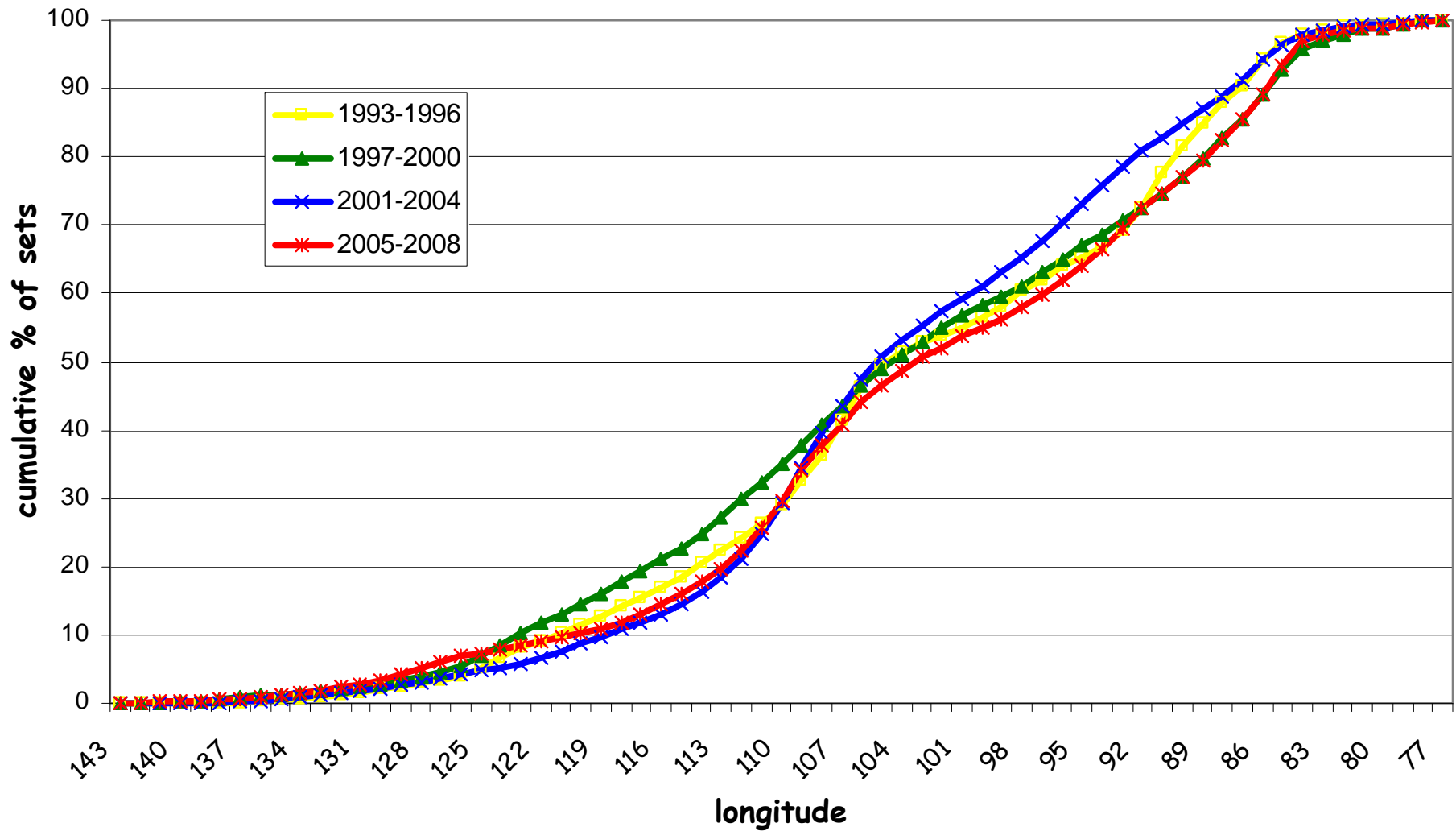
Number of dolphin sets by latitude



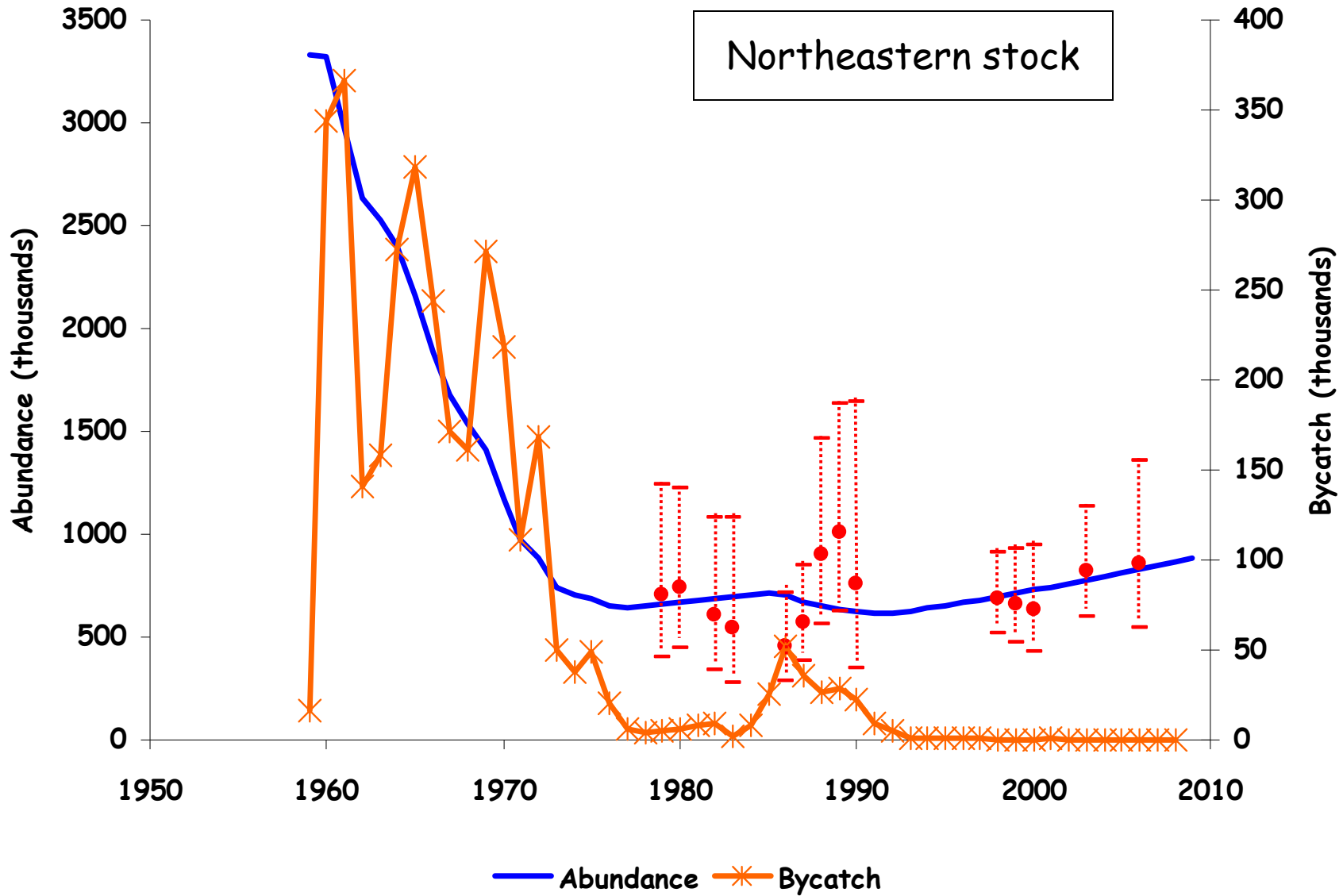
### Cumulative % of dolphin sets by latitude



Cumulative % of dolphin sets by longitude

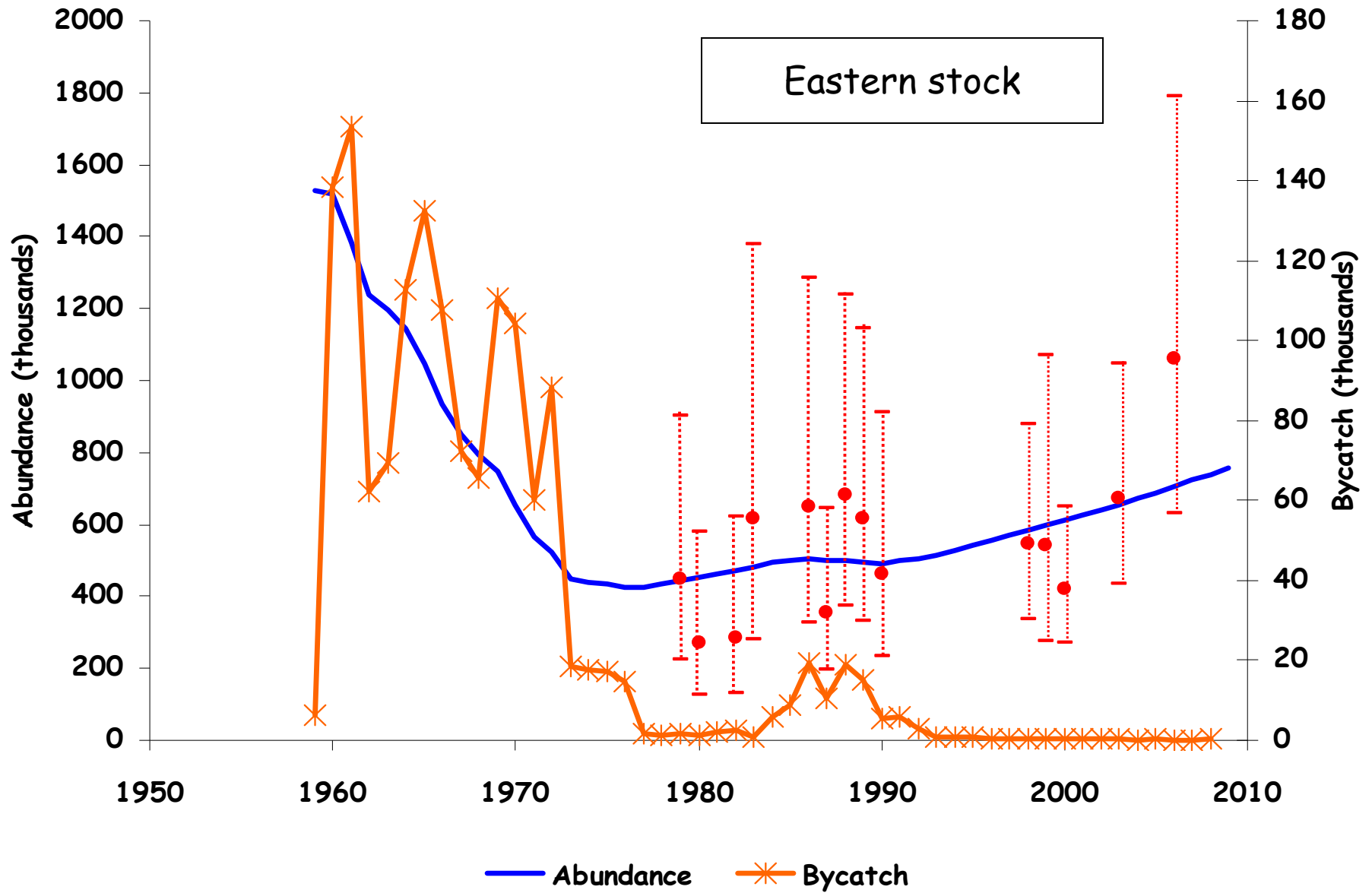


# Spotted dolphin



2008 +2.2% +17,000 dolphins

# Spinner dolphin



2008 +2.4% +14,000 dolphins

# Who saved the dolphins?

- The fishers
- The industry and conservation organizations that supported the AIDCP
- The government representatives
- The National Programs
- The IATTC staff