

Figure 1. Nine Line-transect Survey Areas within the Study Area during 2013-14

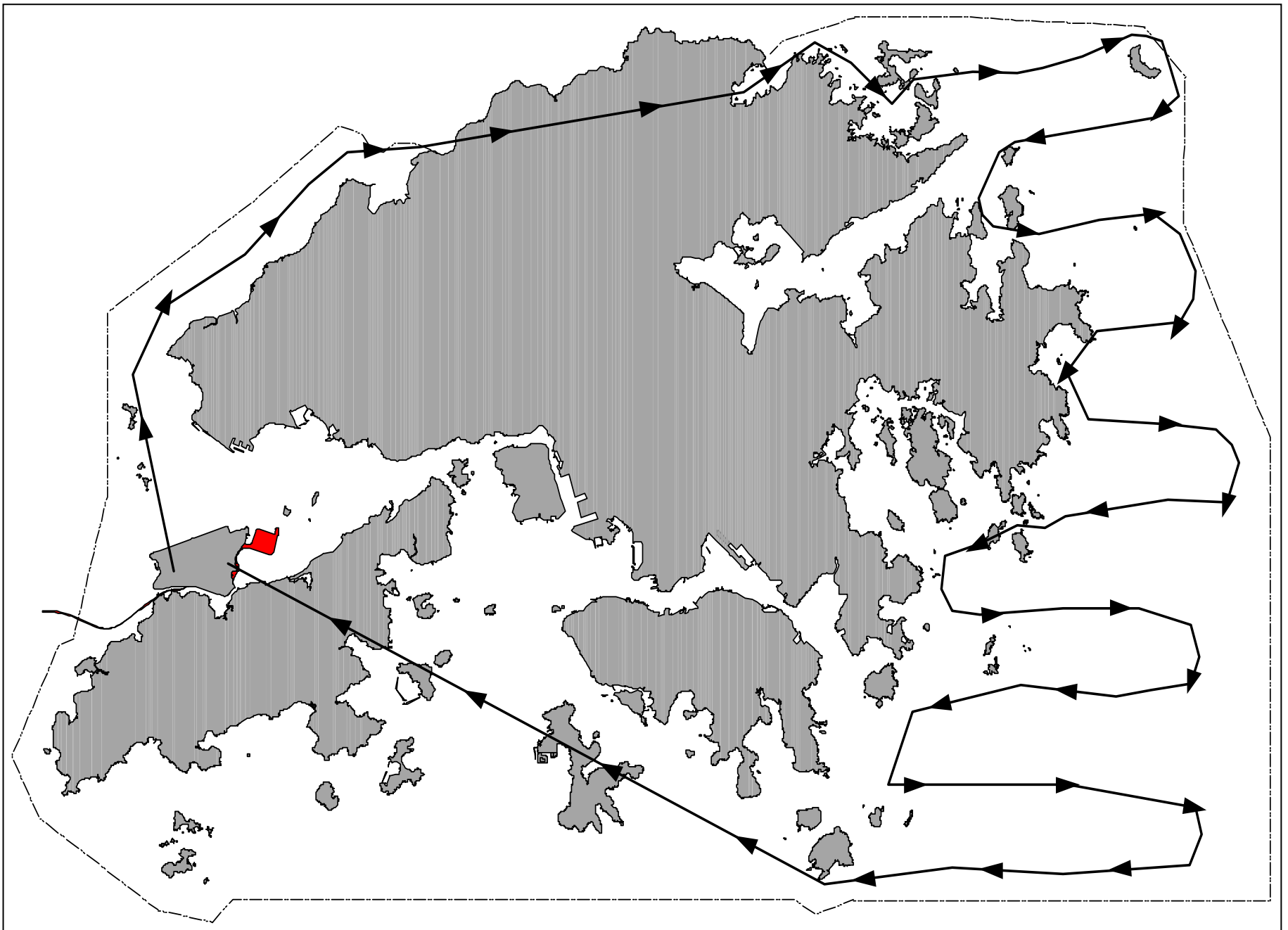


Figure 2. Survey Route for Helicopter Surveys in Eastern and Southern Waters of Hong Kong

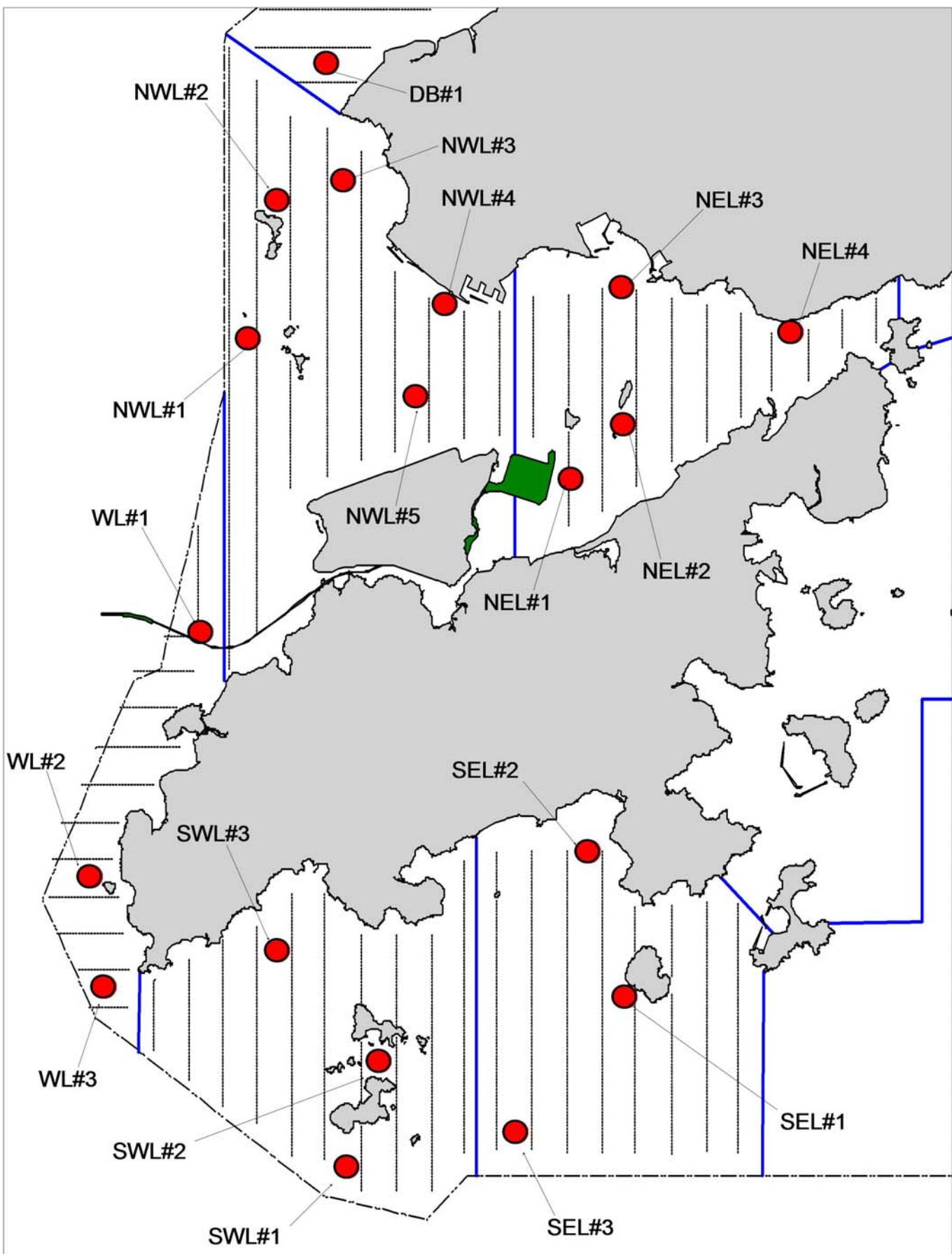


Figure 3. Locations of 19 acoustic monitoring stations around Lantau waters

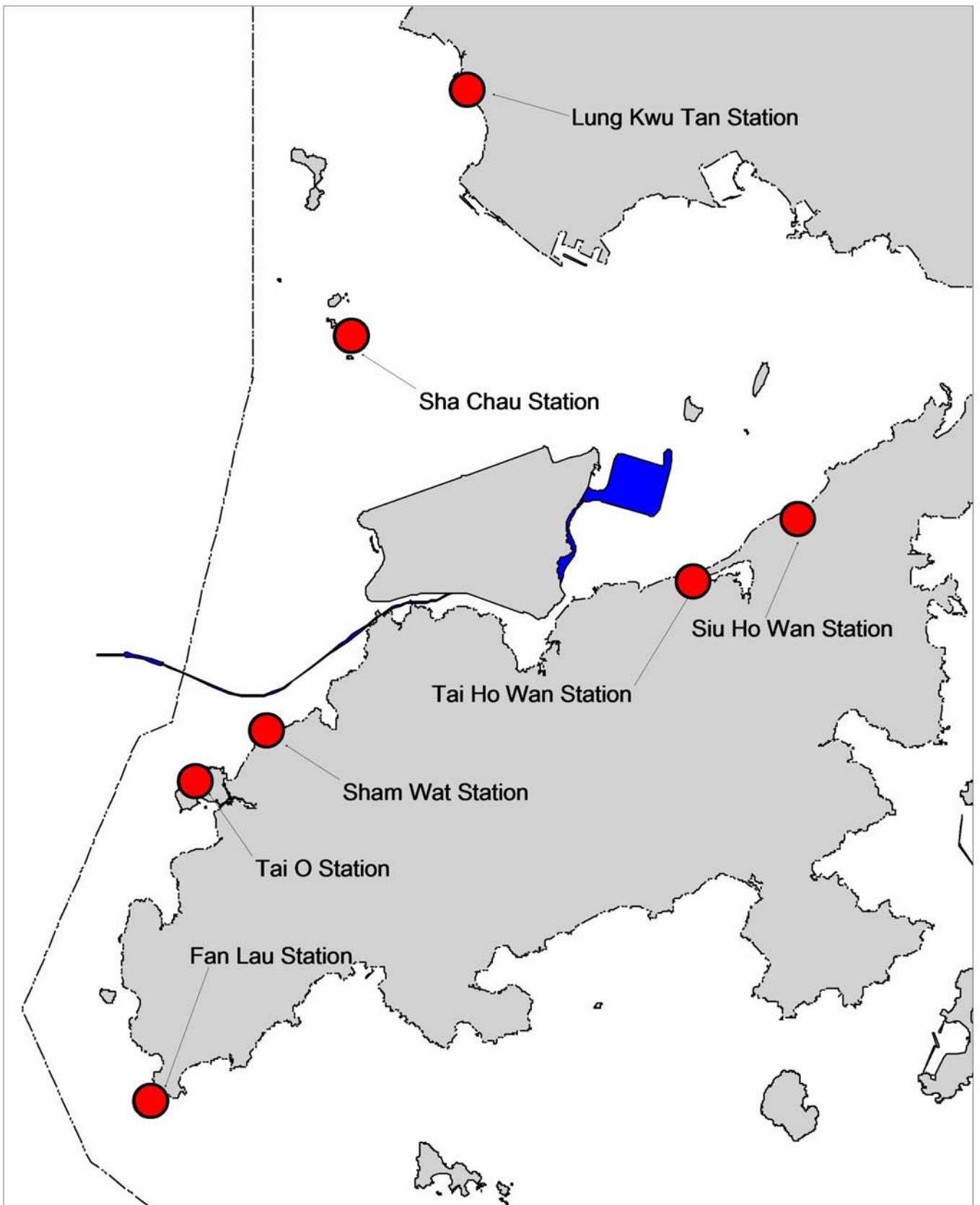


Figure 4. Theodolite-tracking stations set up along the coastline in North and West Lantau waters

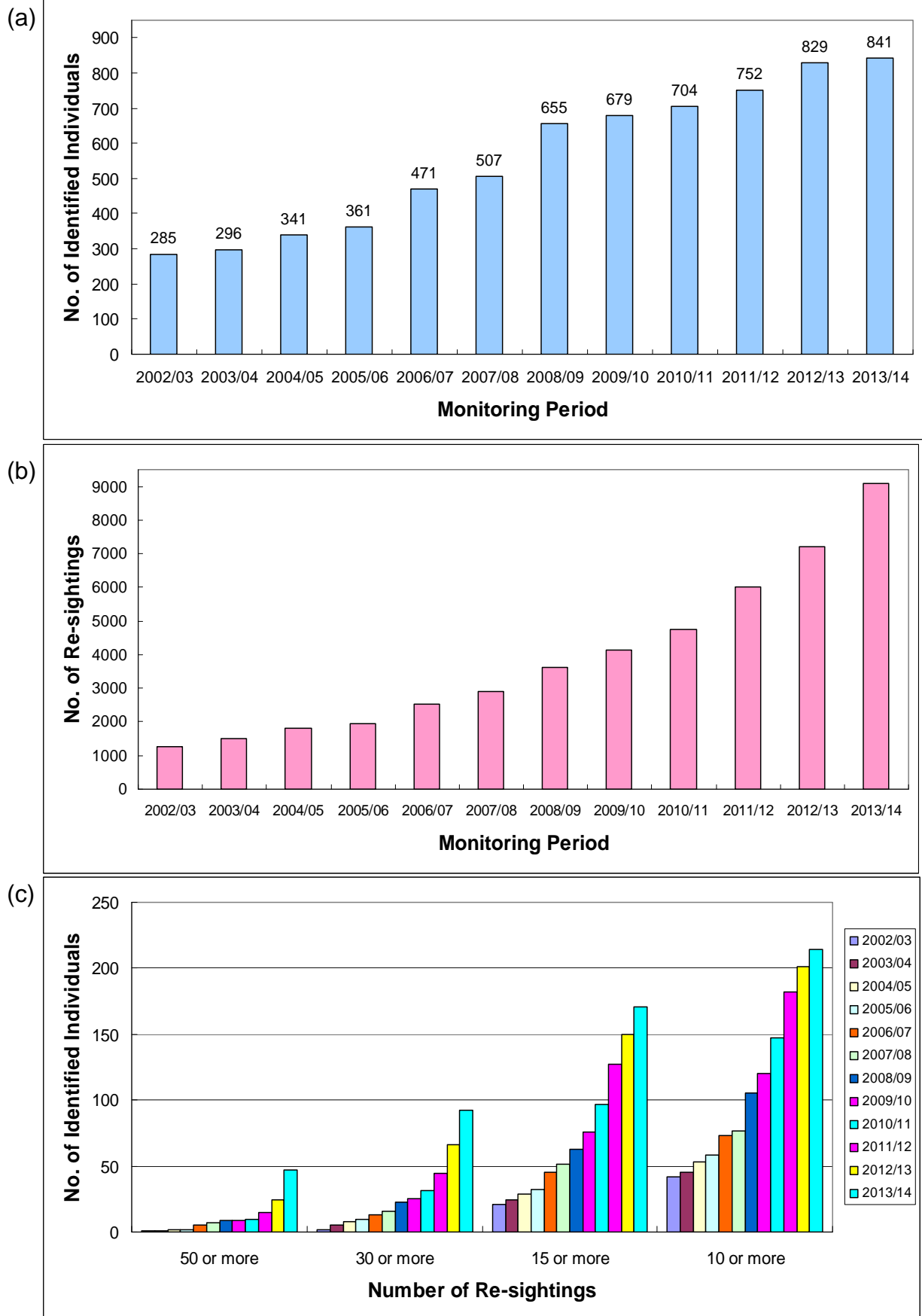


Figure 5. Temporal trends of (a) total number of identified individuals; (b) total number of re-sightings made; and (c) number of identified individuals within several categories of number of re-sightings in the past 12 monitoring periods since 2002

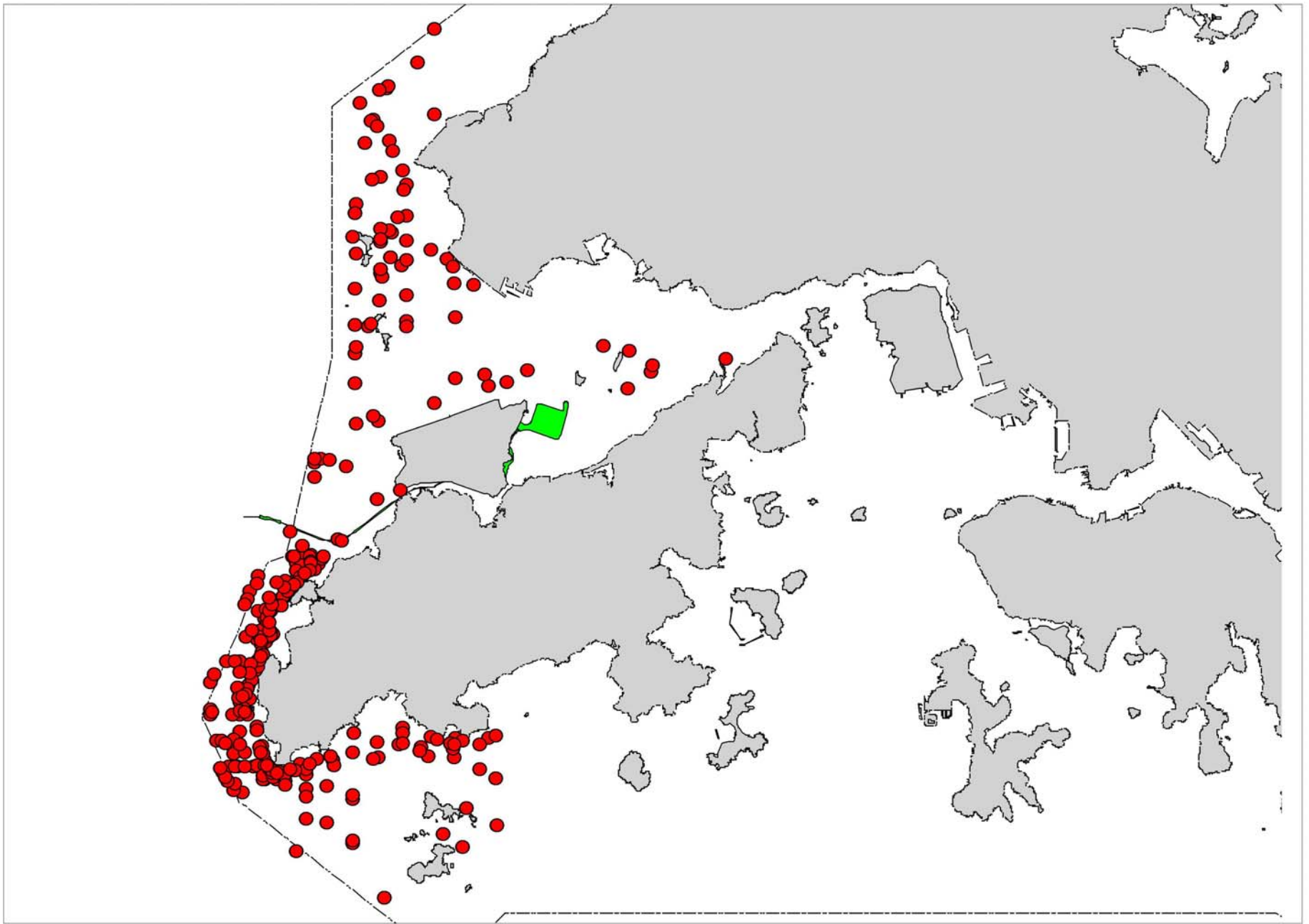


Figure 6. Distribution of Chinese white dolphin sightings made during AFCD surveys (April 2013 – March 2014)

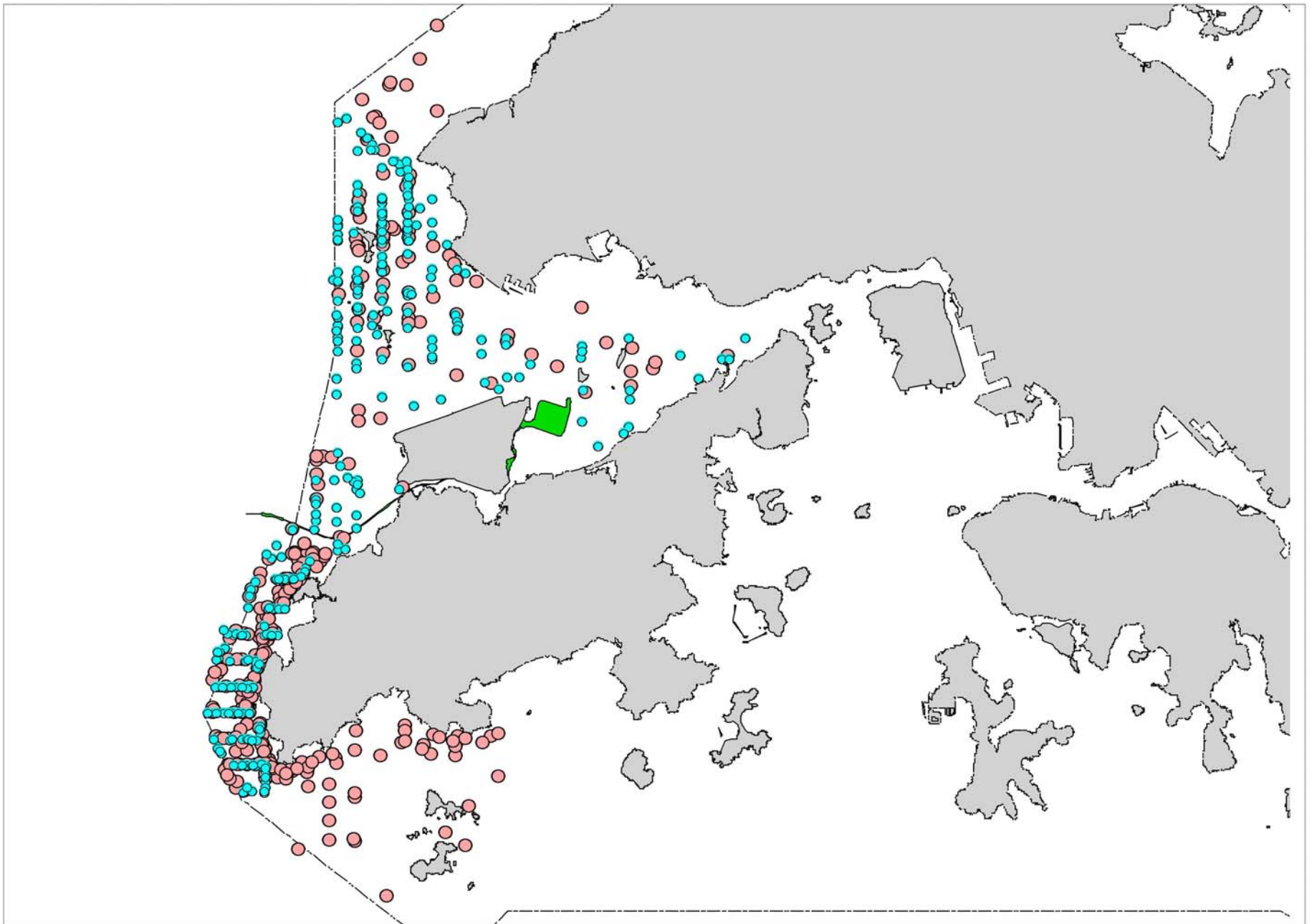


Figure 7. Distribution of Chinese white dolphin sightings in Hong Kong waters in 2013  
(pink dots: AFCD survey sightings; blue dots: HKLR survey sightings)



Figure 8. Distribution of Chinese white dolphin sightings in North Lantau and Deep Bay (2013)



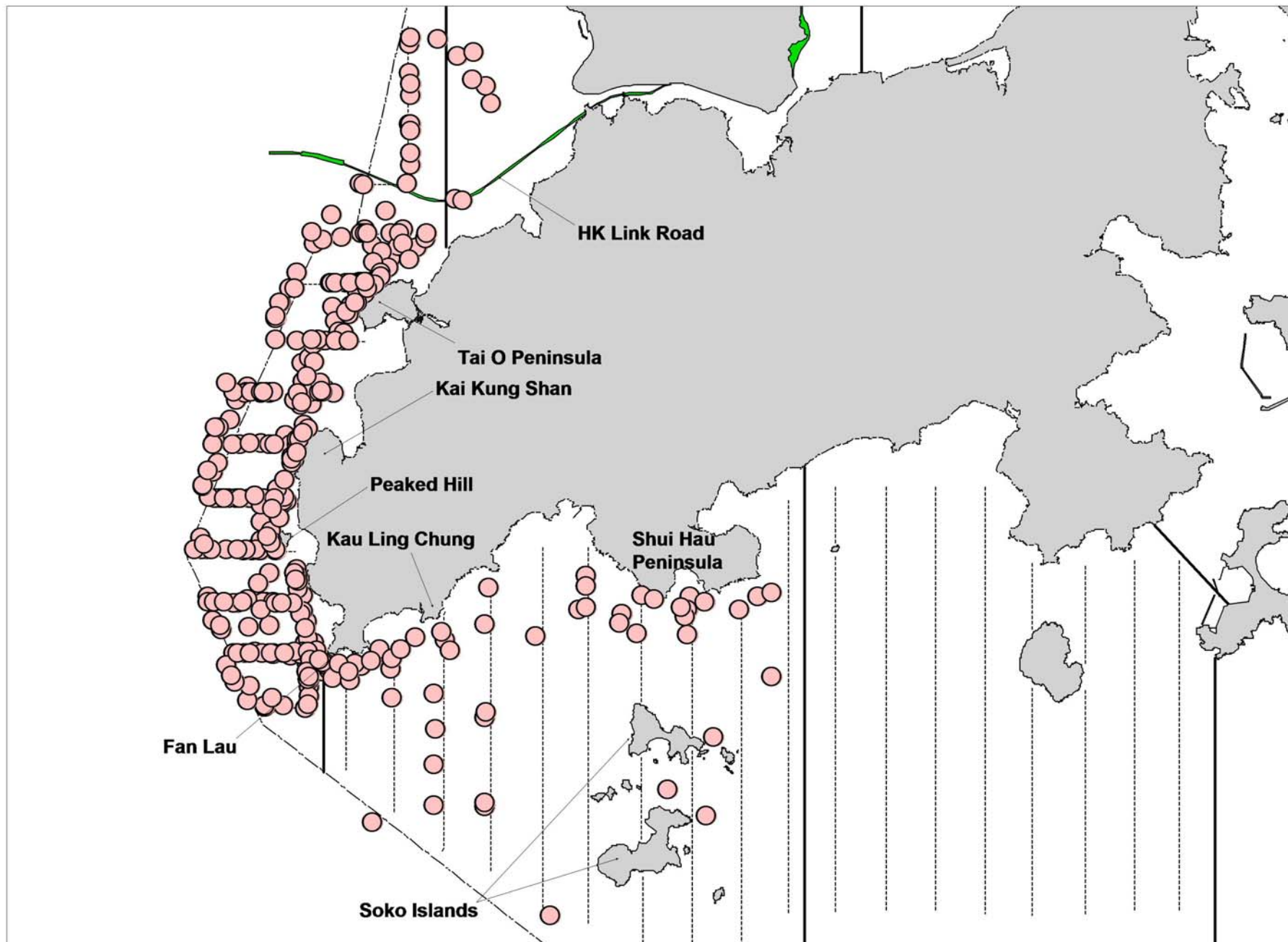


Figure 9. Distribution of Chinese white dolphin sightings in West and Southwest Lantau waters (2013)

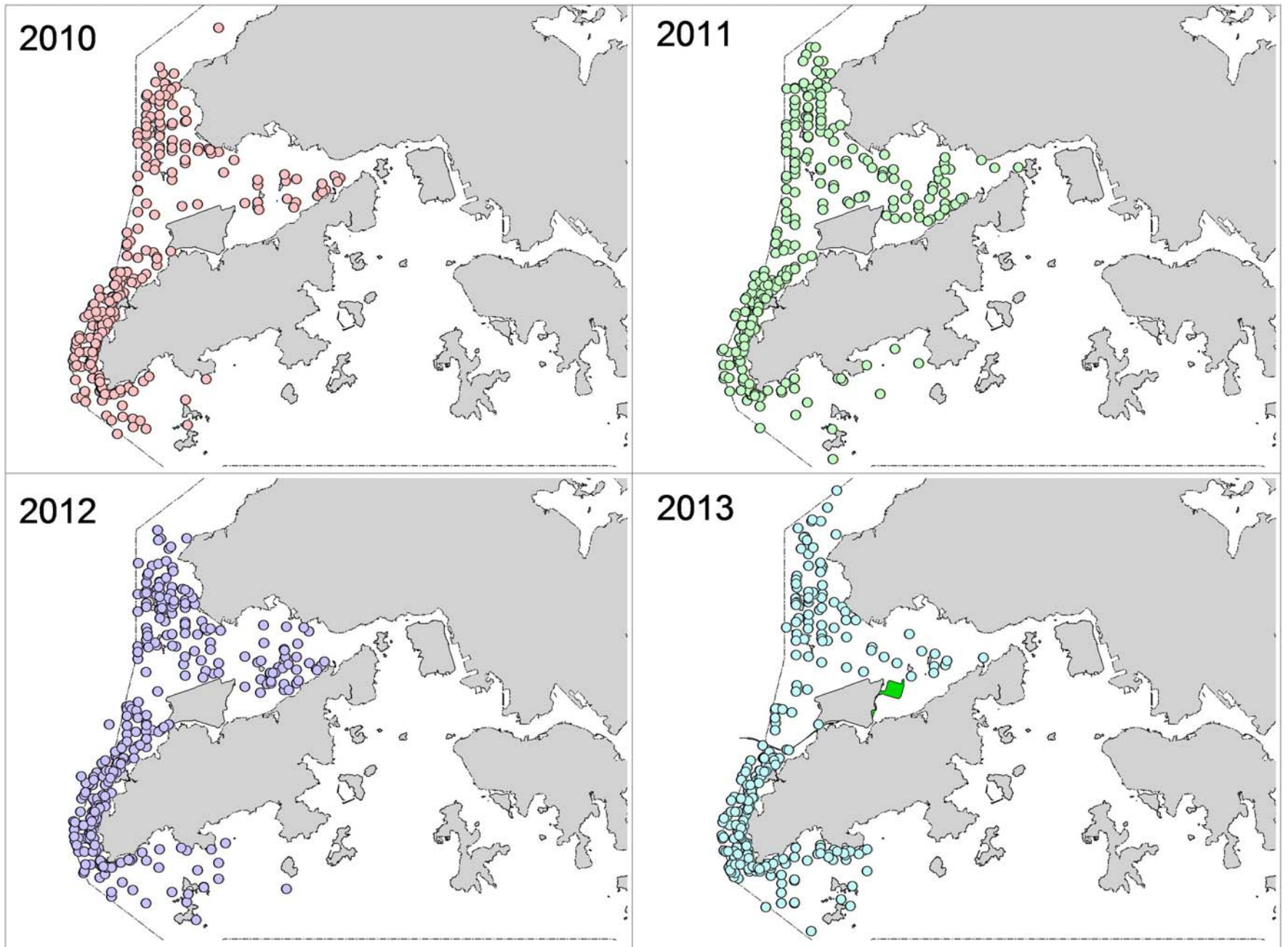


Figure 10. Comparison of annual dolphin distribution patterns from the past 4 years using AFCD monitoring data

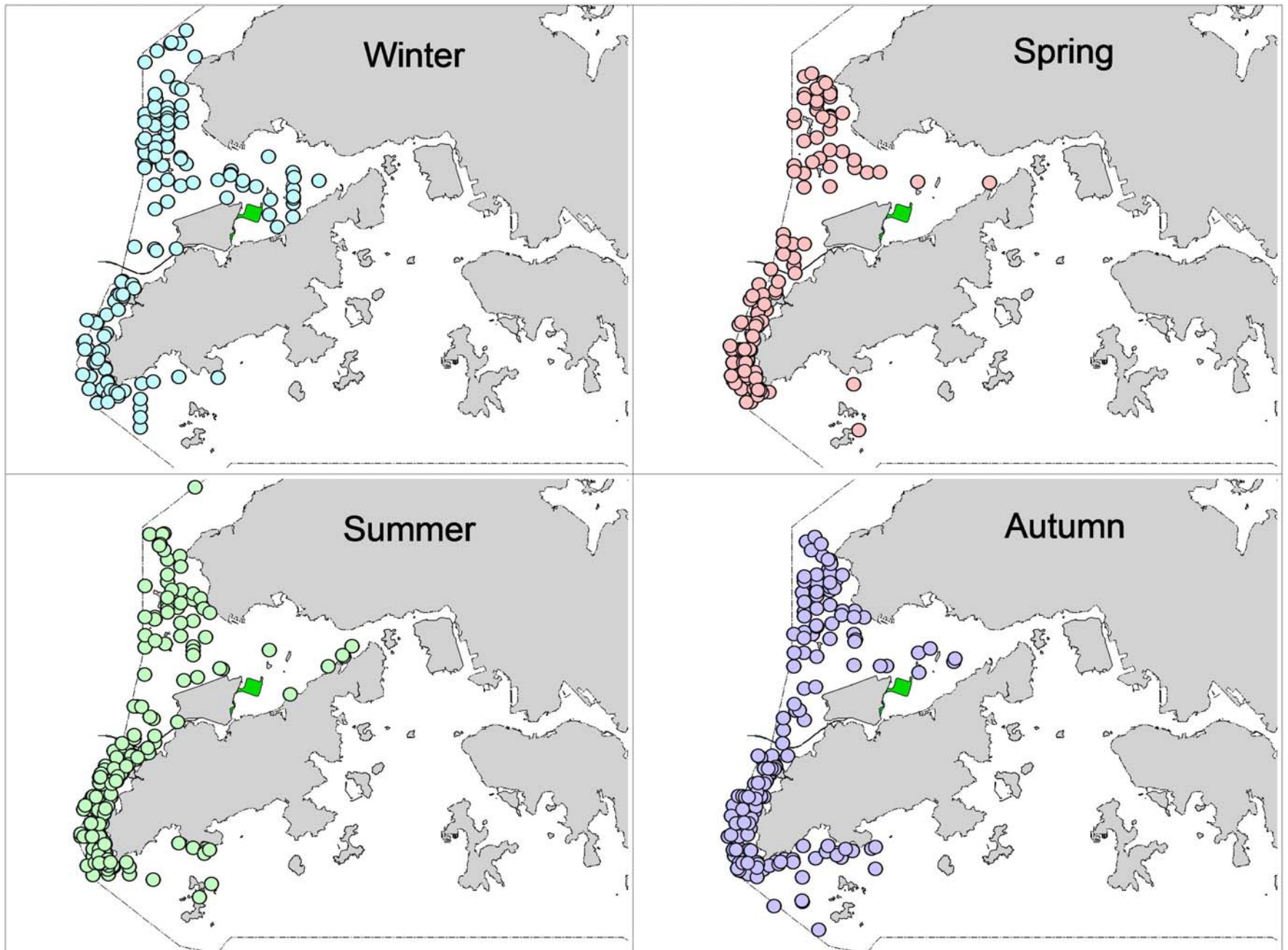


Figure 11. Seasonal distribution of Chinese white dolphins in Hong Kong waters in 2013

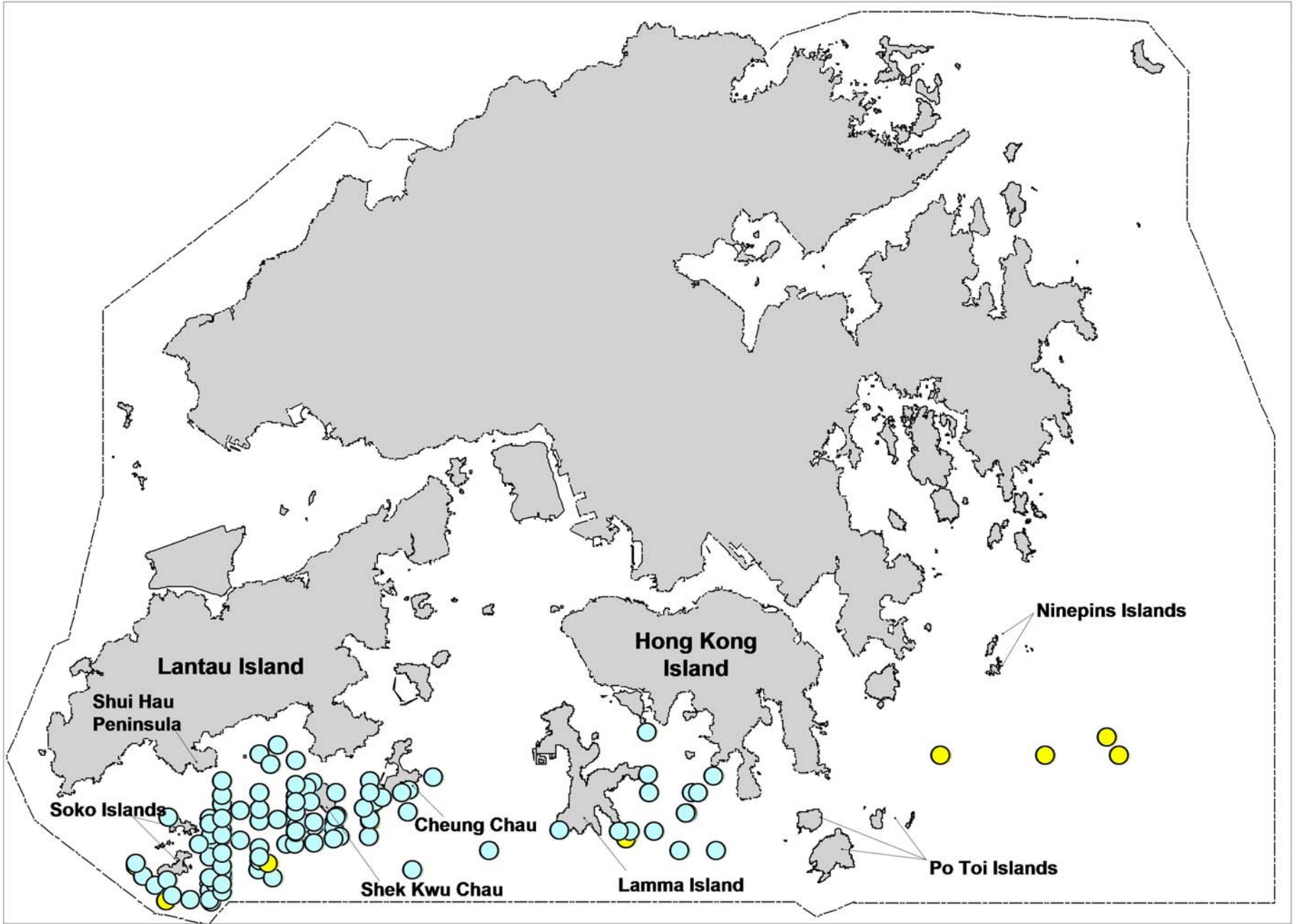


Figure 12. Distribution of finless porpoise sightings made during AFCD surveys (April 2013 – March 2014)  
 (yellow dots: sightings made during summer/autumn months)

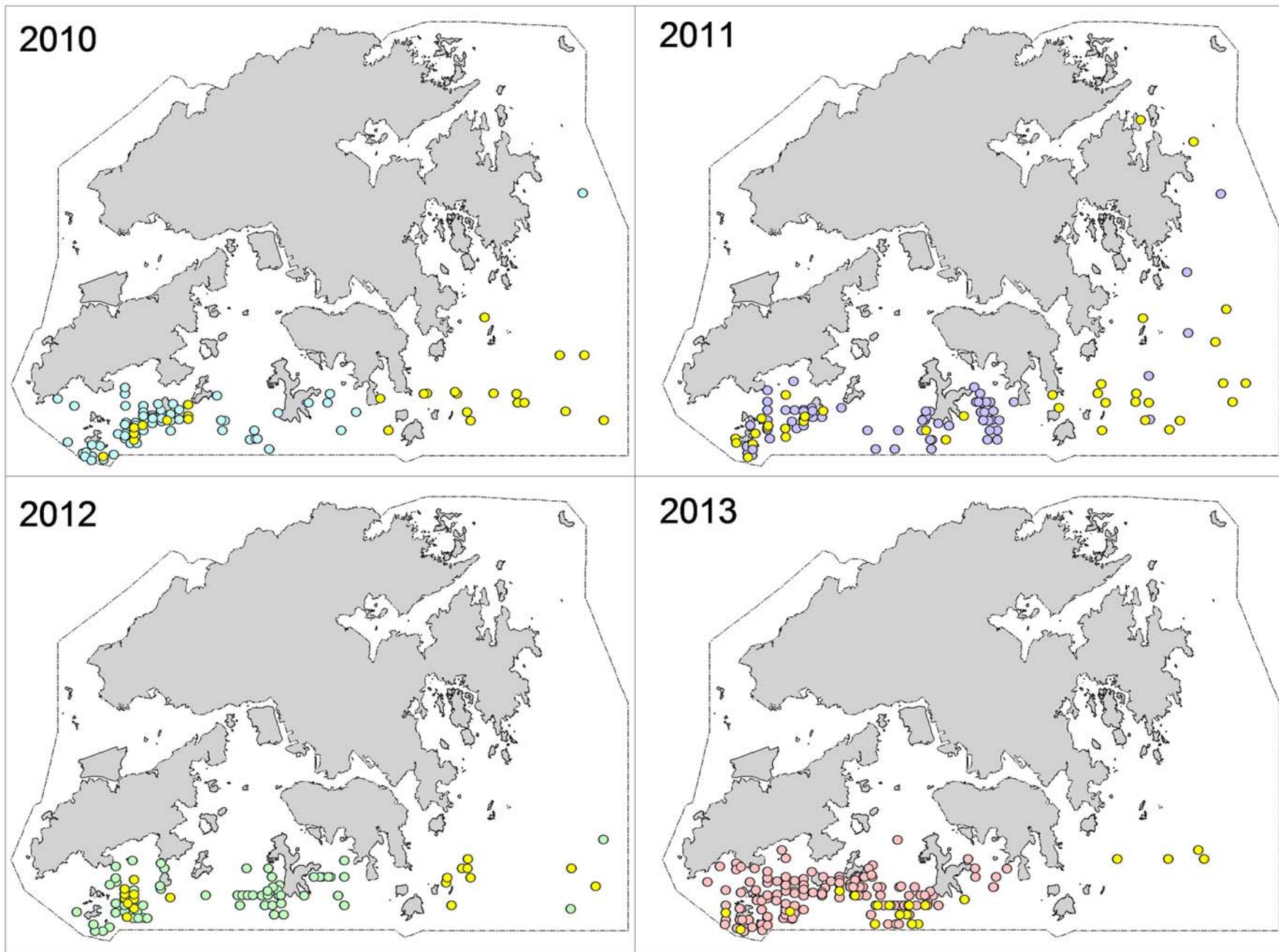


Figure 13. Comparison of annual porpoise distribution patterns from the past four years (yellow dots: sightings made during summer/autumn months)

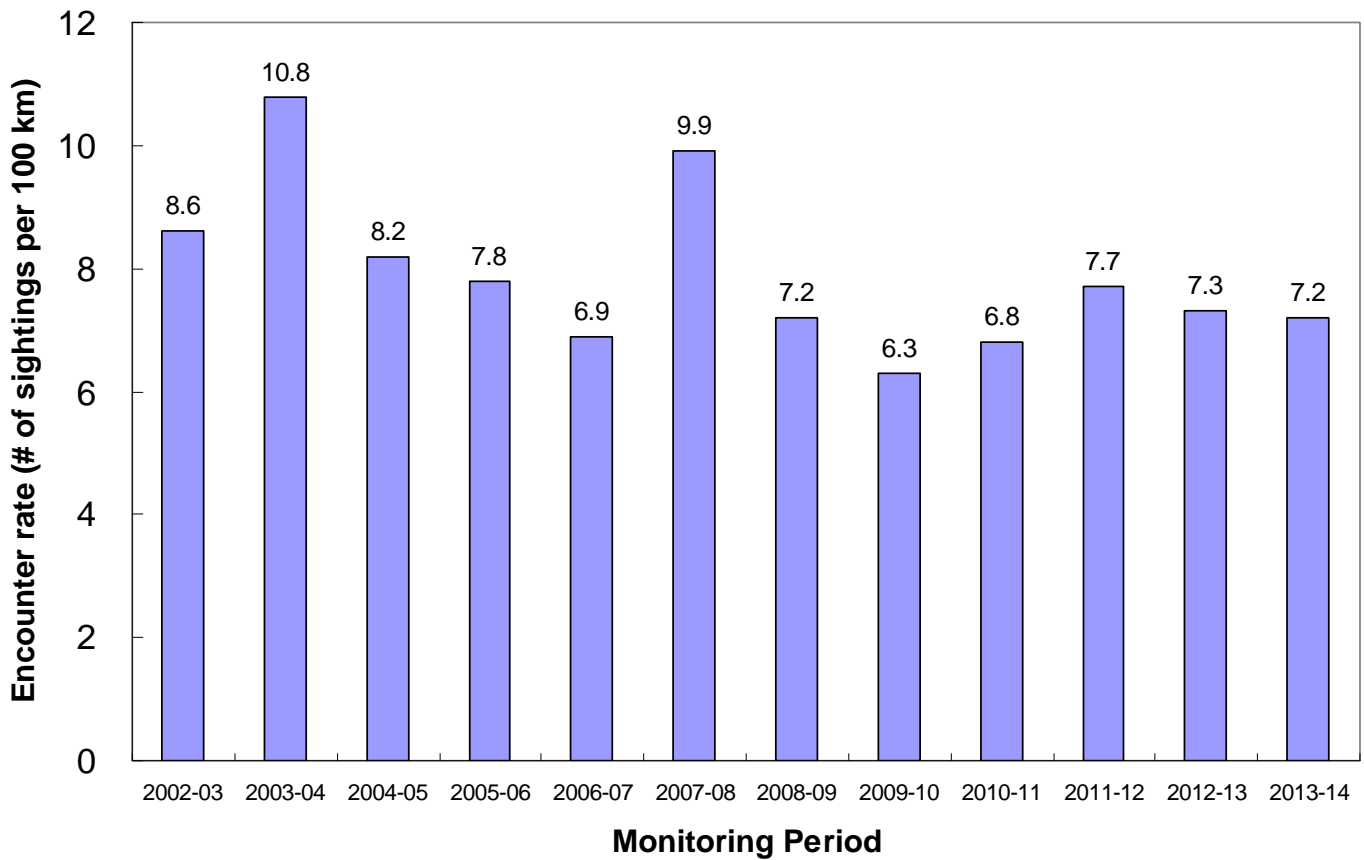


Figure 14. Temporal trend in encounter rates of Chinese white dolphins (combined from WL, NWL, NEL and SWL survey areas) in the past twelve monitoring periods from 2002-14

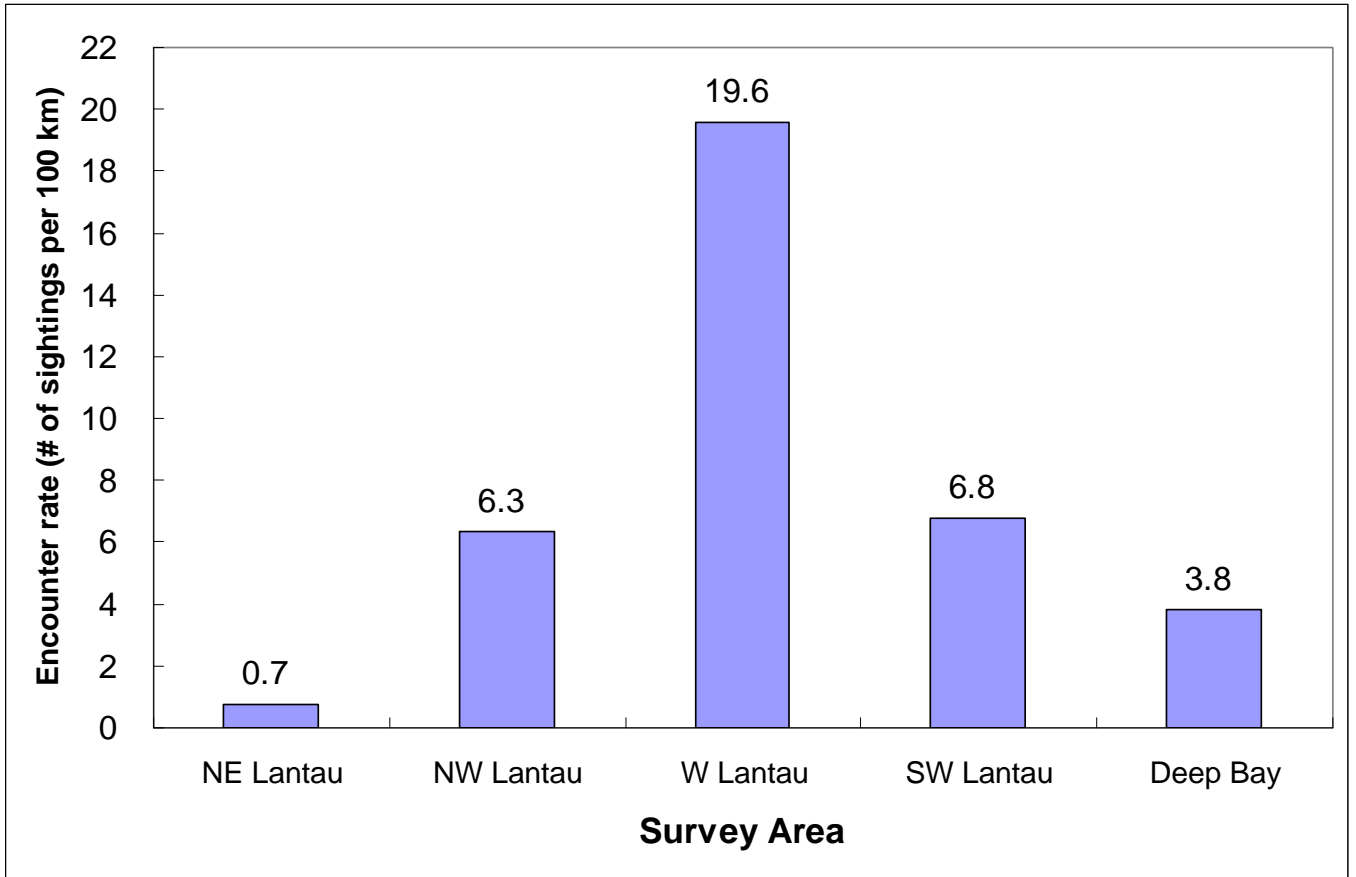


Figure 15. Encounter rates of Chinese white dolphins among different survey areas (April 2013 – March 2014)

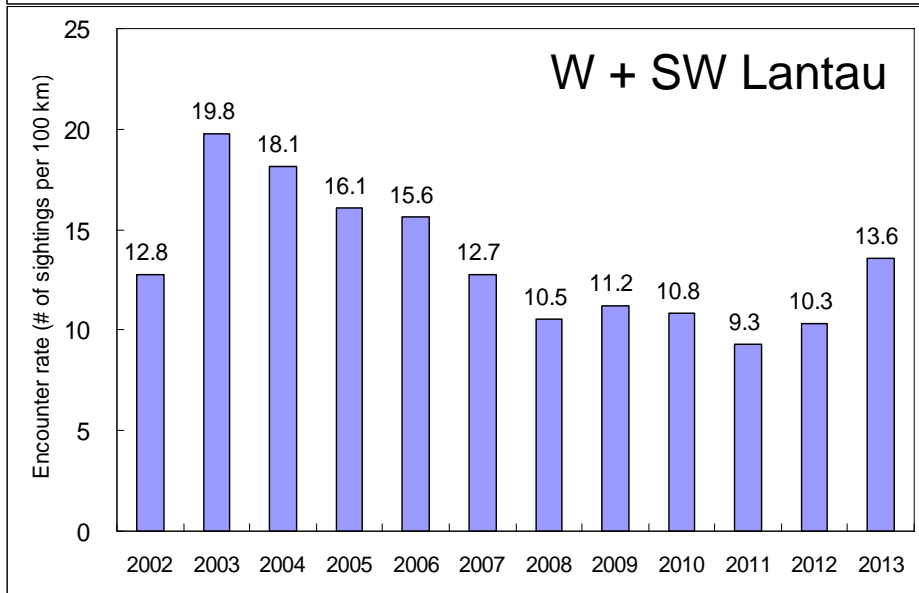
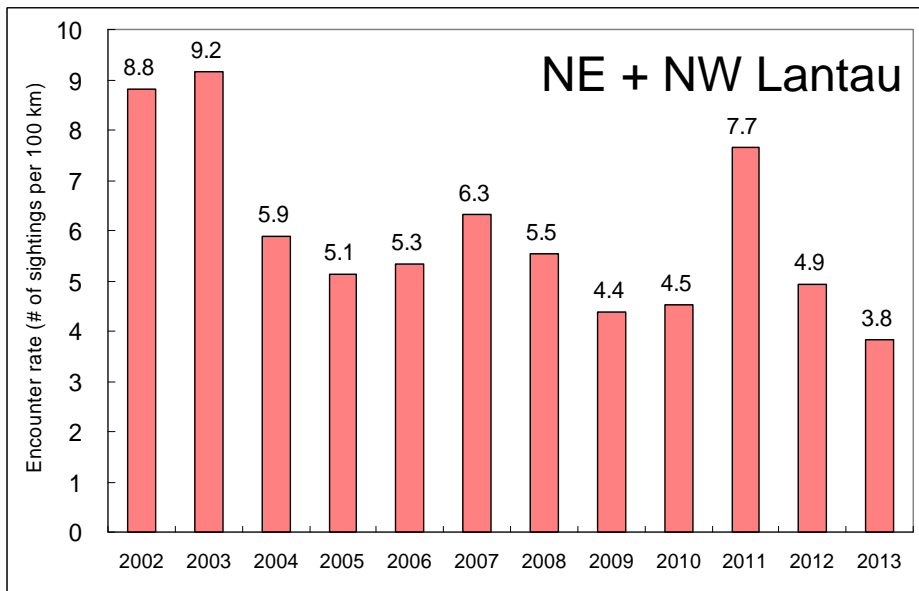
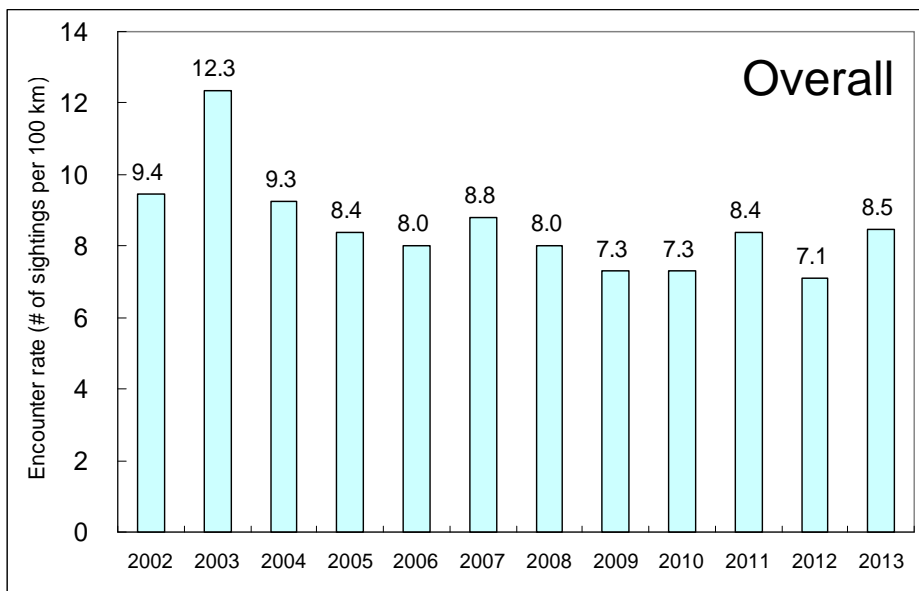


Figure 16. Long-term trends in annual dolphin encounter rates in different survey areas



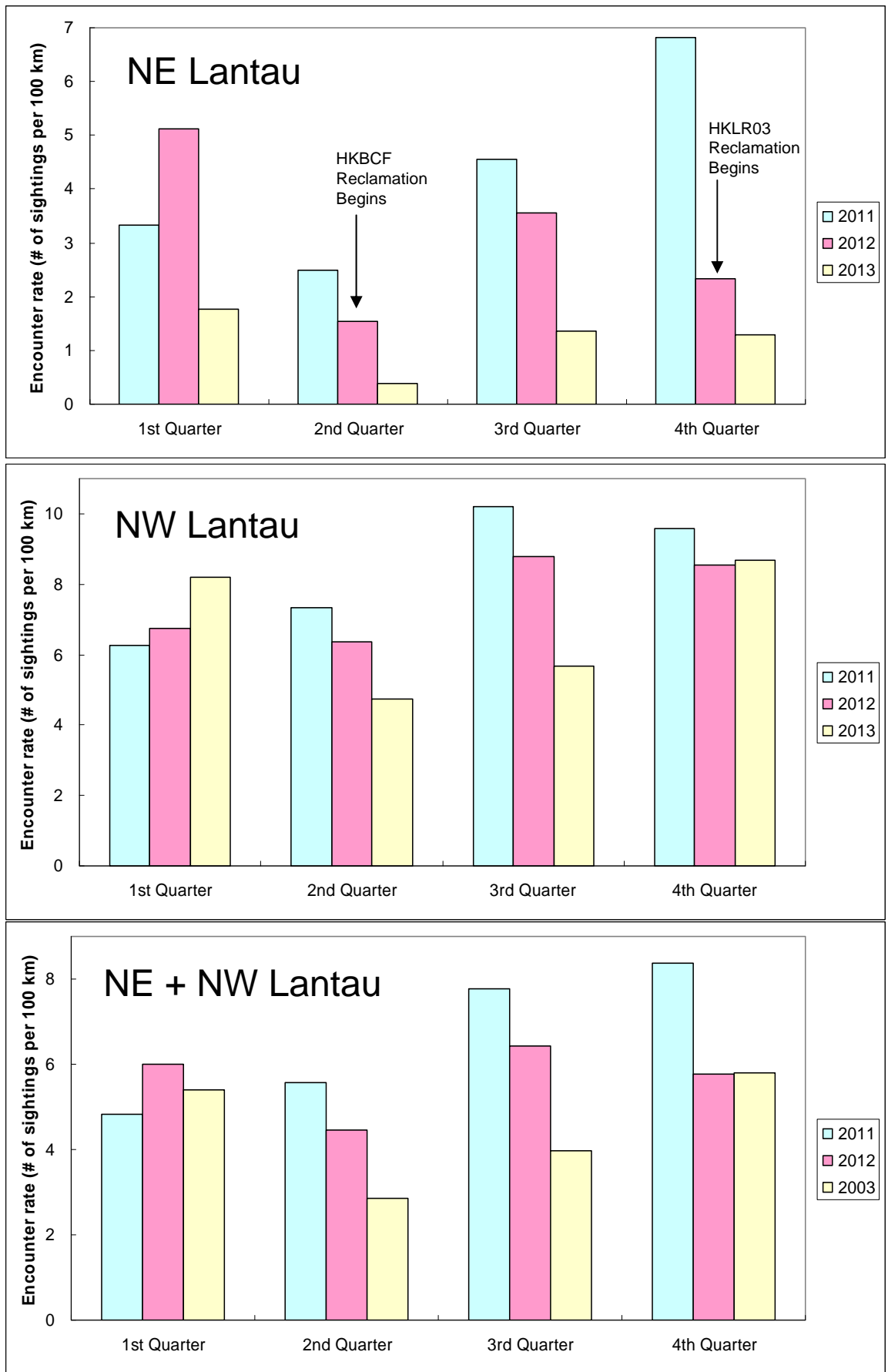


Figure 17. Temporal trends in quarterly dolphin encounter rates in North Lantau region from 2011-13

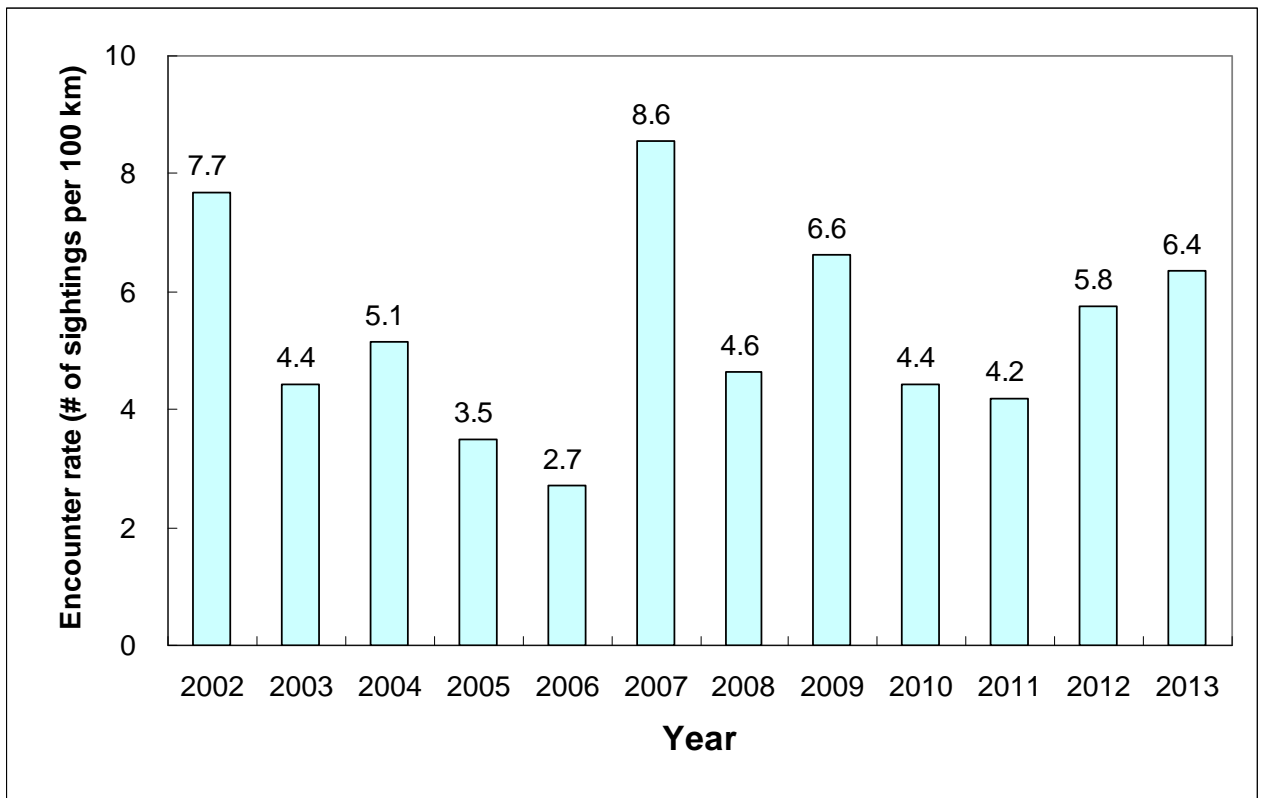


Figure 18a. Temporal trend of annual encounter rates of finless porpoises (combined from SWL, SEL, LM and PT survey areas) from 2002-13

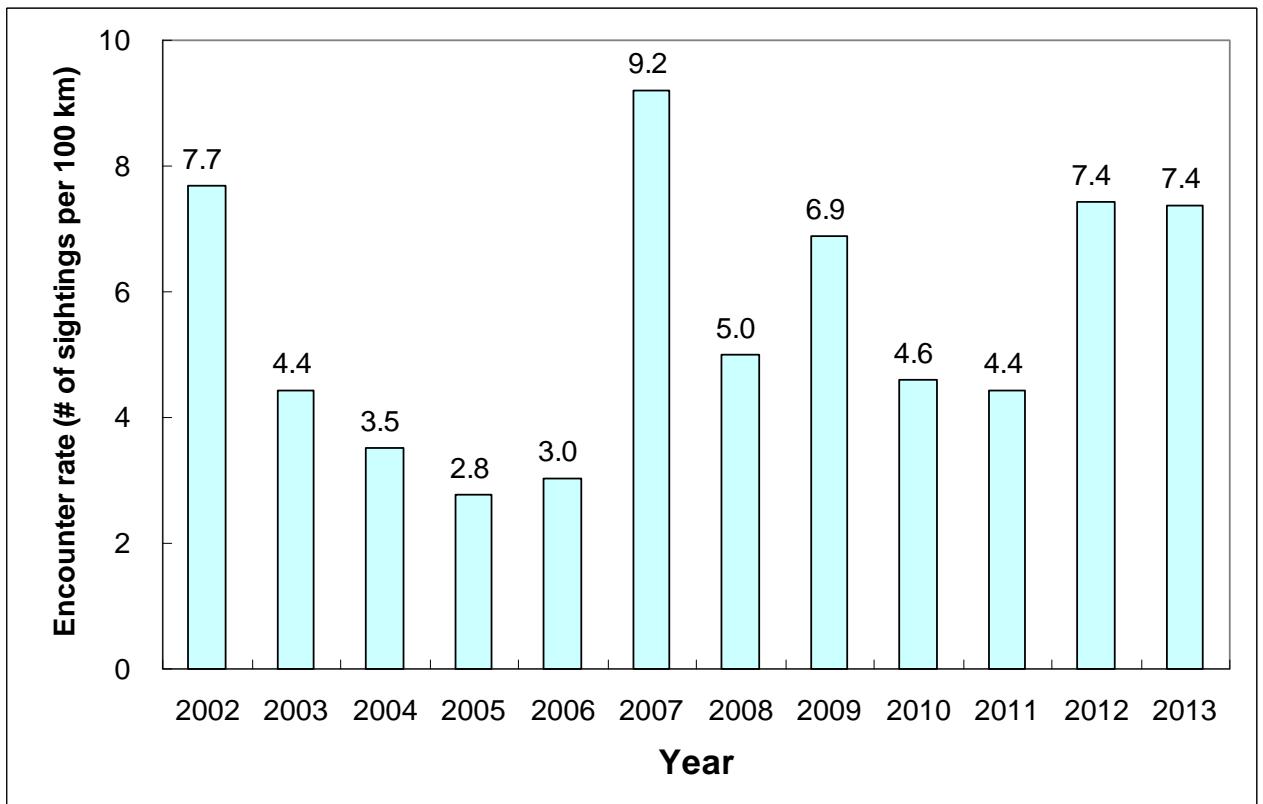


Figure 18b. Temporal trend of porpoise encounter rates in South Lantau and Lamma waters combined from winter/spring months of 2002-13

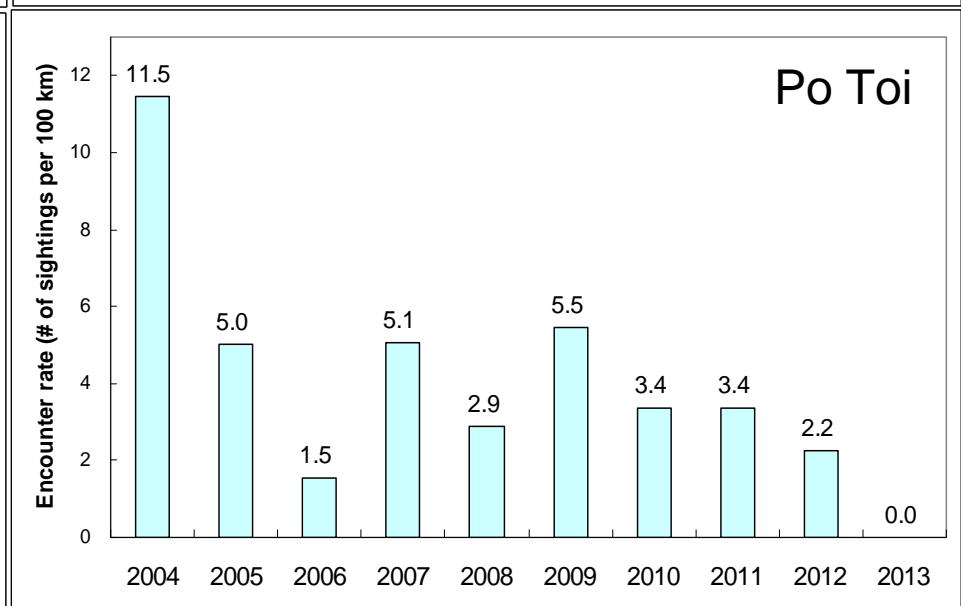
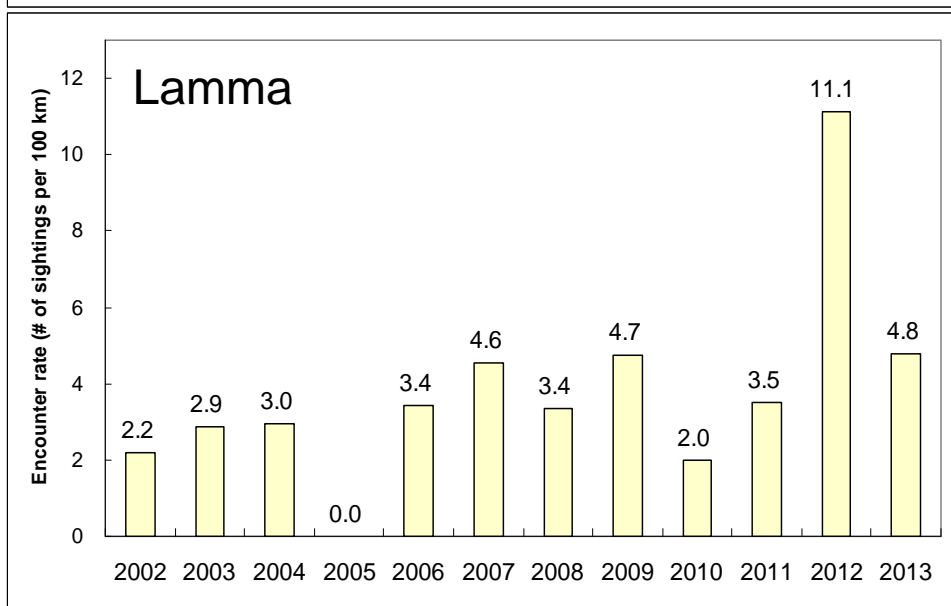
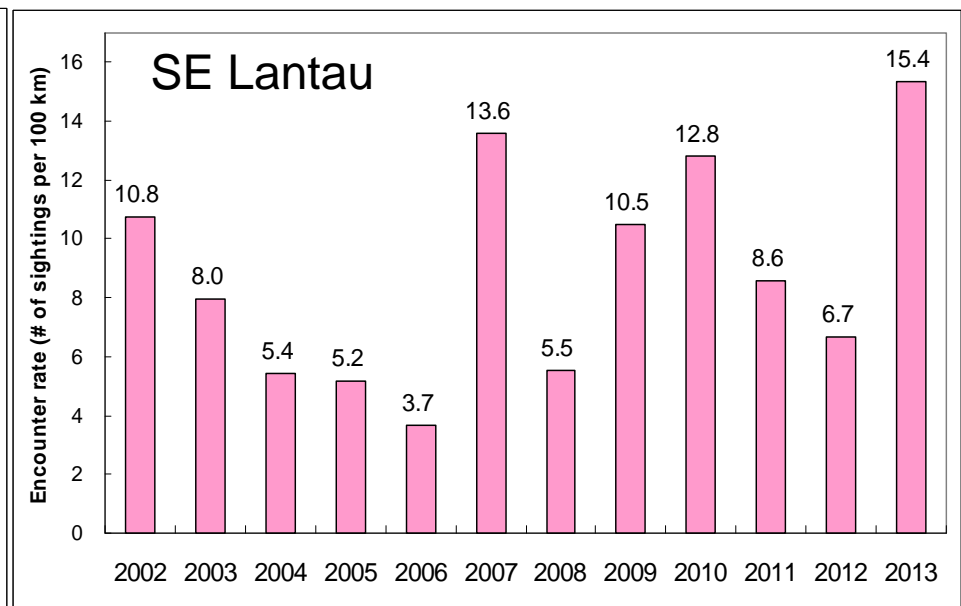
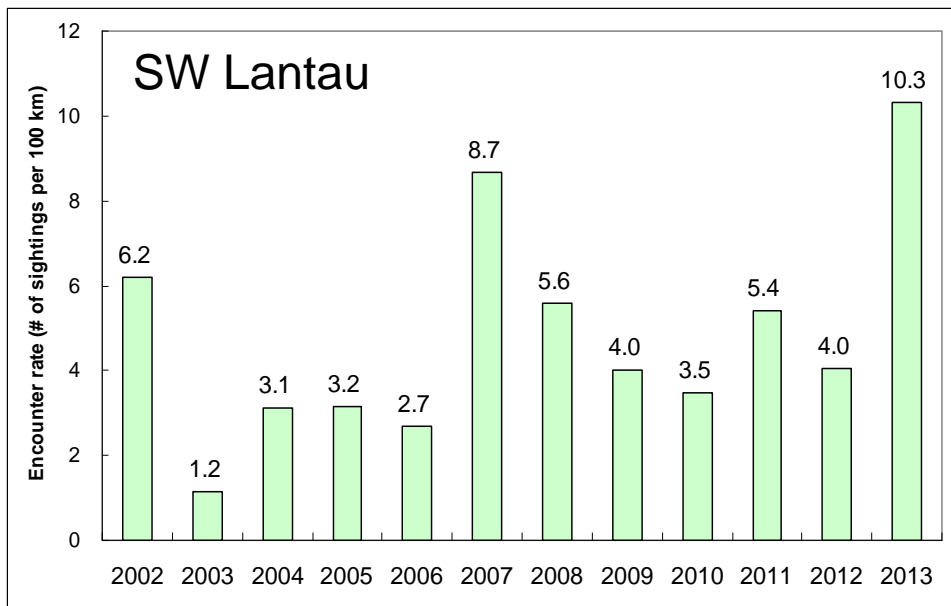


Figure 19. Temporal trends in annual encounter rates of finless porpoises among different survey areas

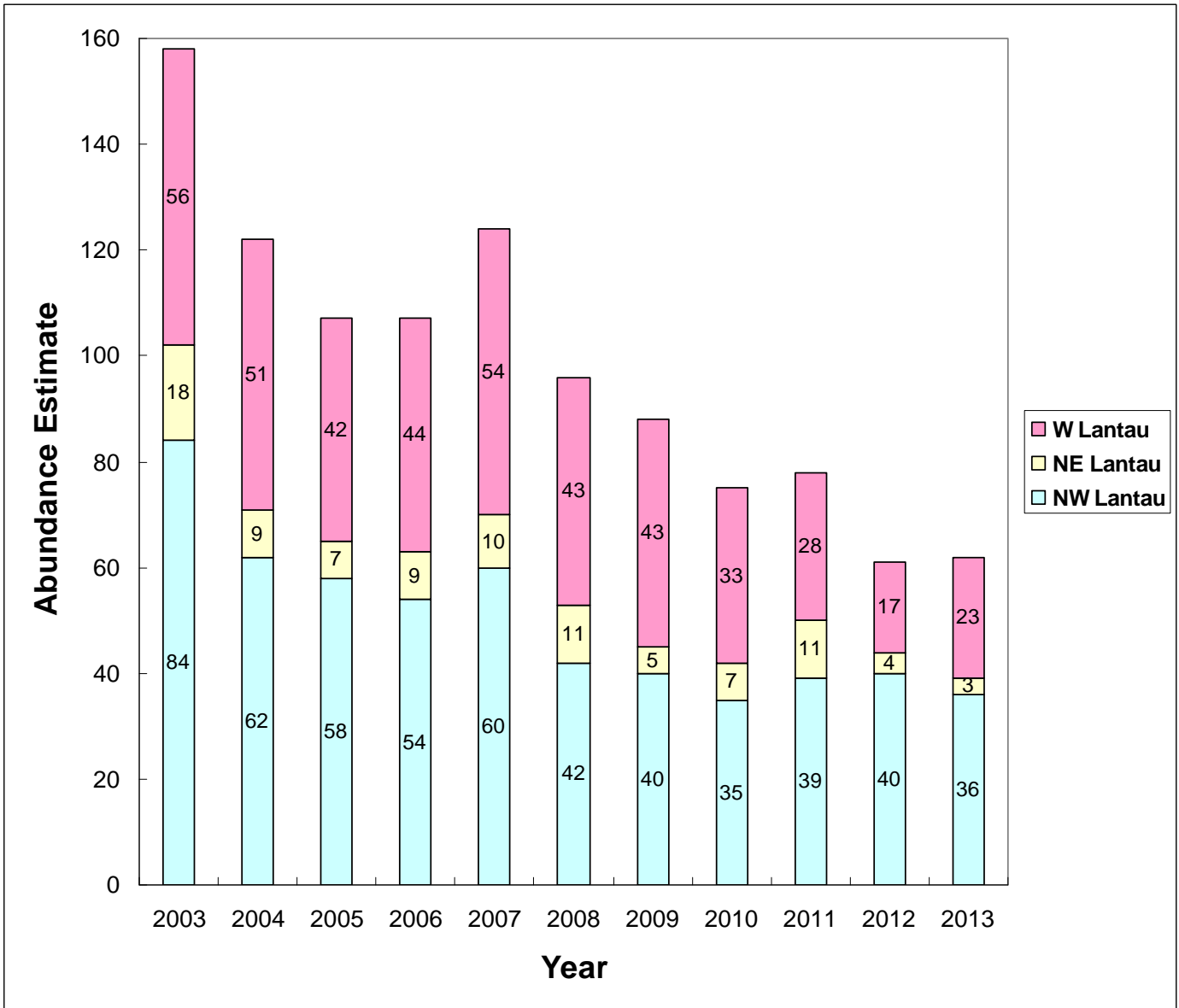


Figure 20. Temporal trends in combined abundance estimates of Chinese white dolphins in West, Northwest & Northeast Lantau from 2003-13

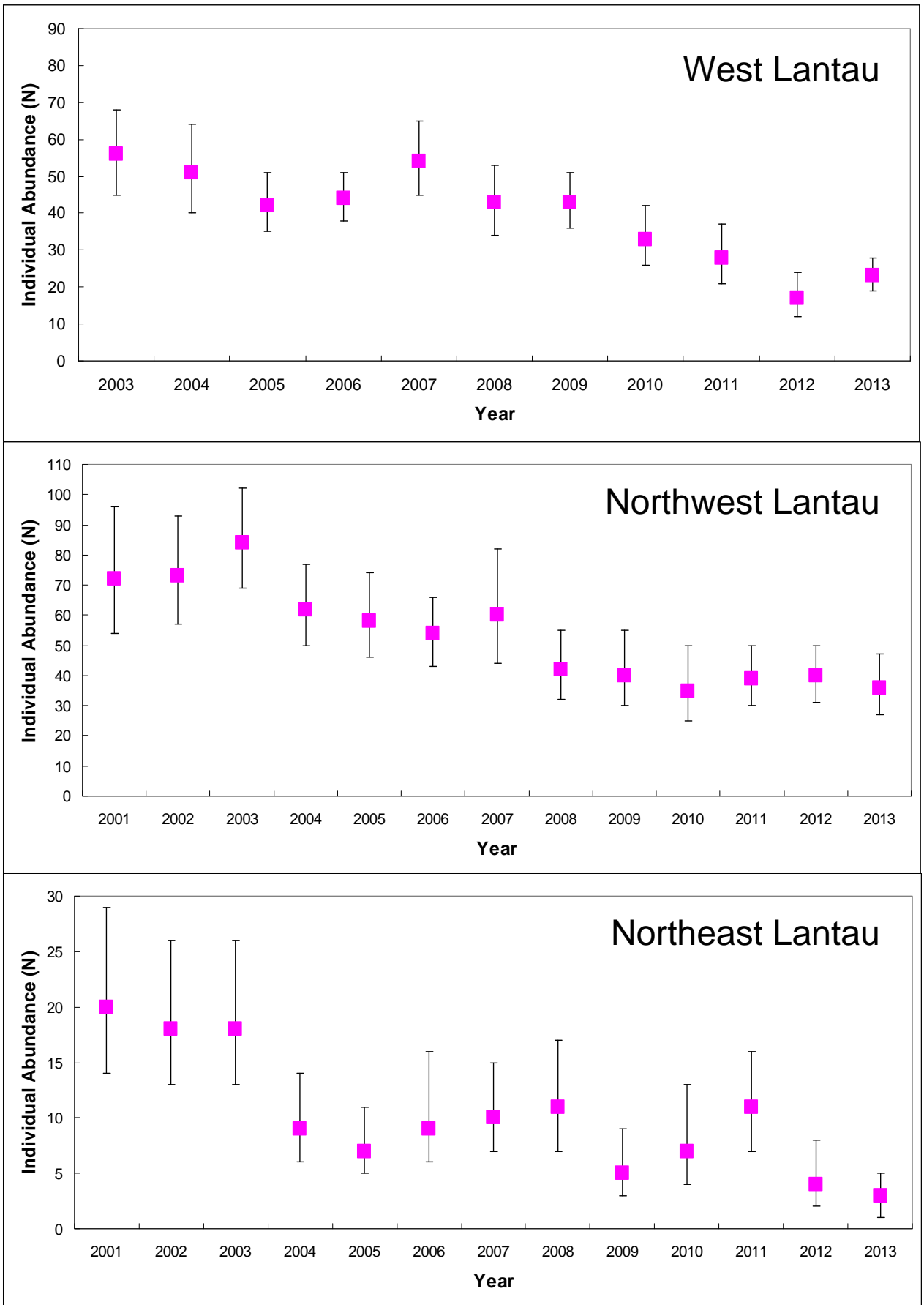


Figure 21. Temporal trends in abundance estimates of Chinese white dolphins in West, Northwest & Northeast Lantau from 2001-13 (error bars: 95% confidence interval of abundance estimates)

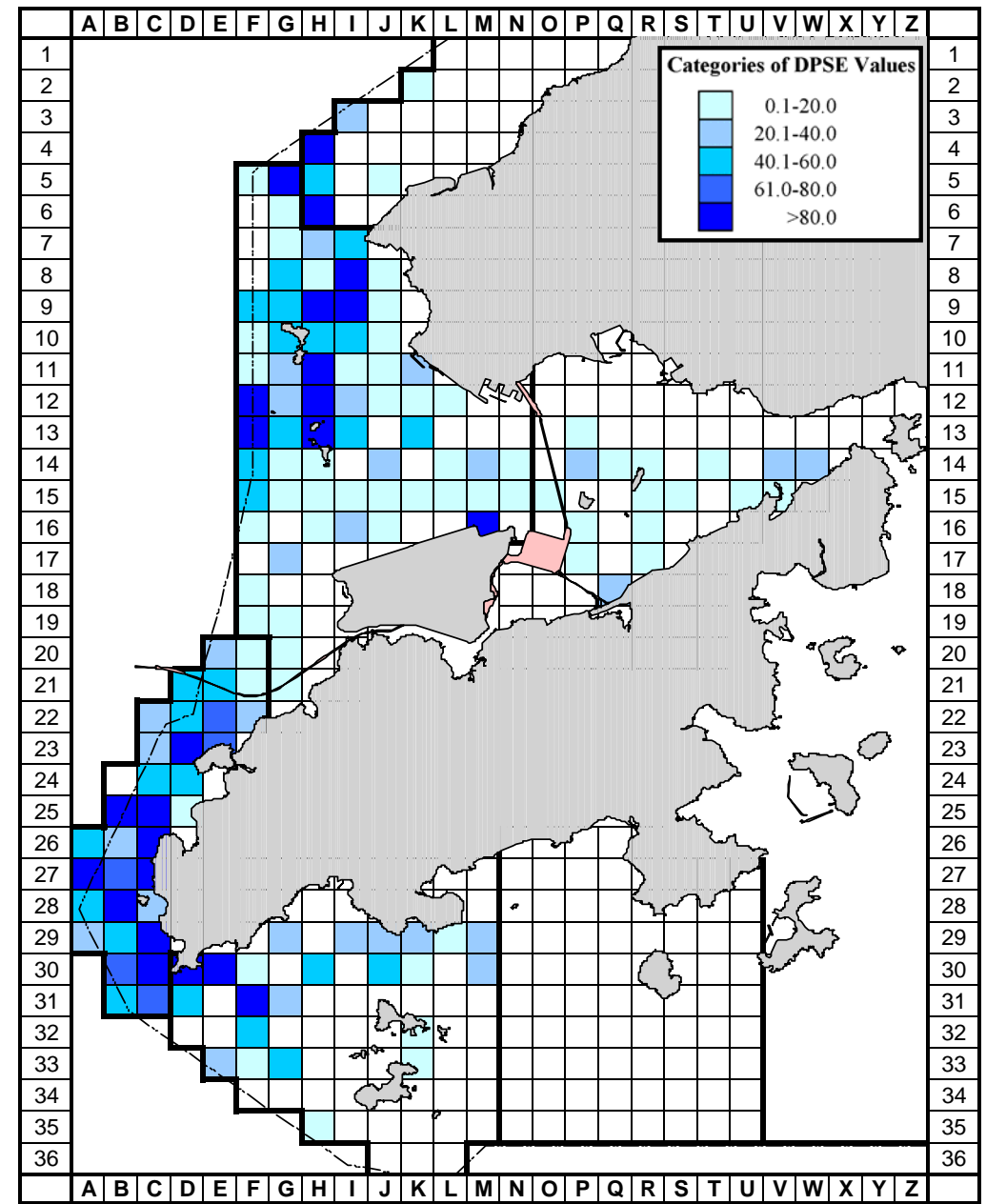
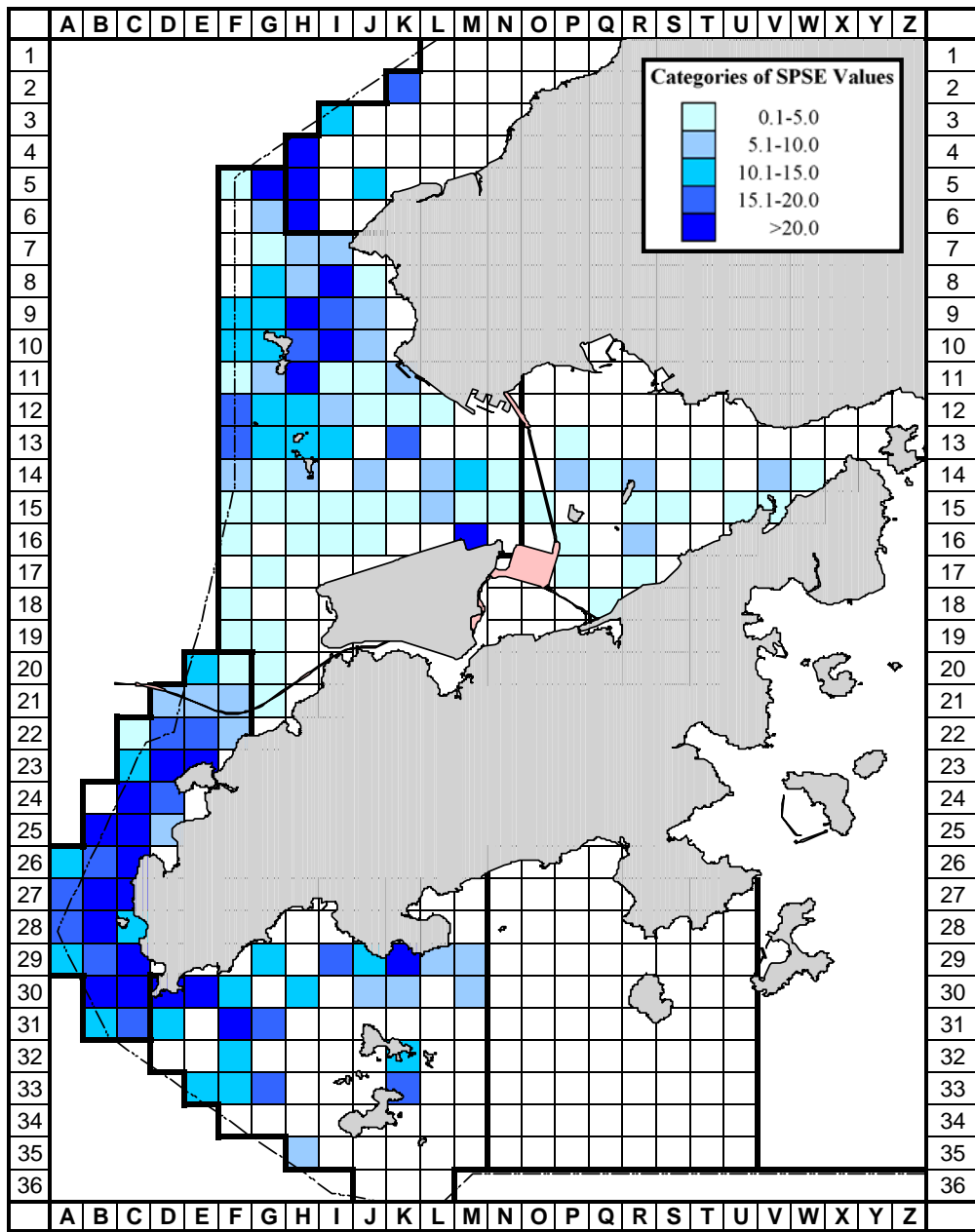


Figure 22. (left) Sighting density of Chinese white dolphins with corrected survey effort per km<sup>2</sup> in waters around Lantau Island (number within grids represent "SPSE" = no. of on-effort dolphin sightings per 100 units of survey effort) (using data from January - December 2013)  
 (right) Density of Chinese white dolphins with corrected survey effort per km<sup>2</sup> in waters around Lantau Island (number within grids represent "DPSE" = no. of dolphins per 100 units of survey effort) (using data from January - December 2013)

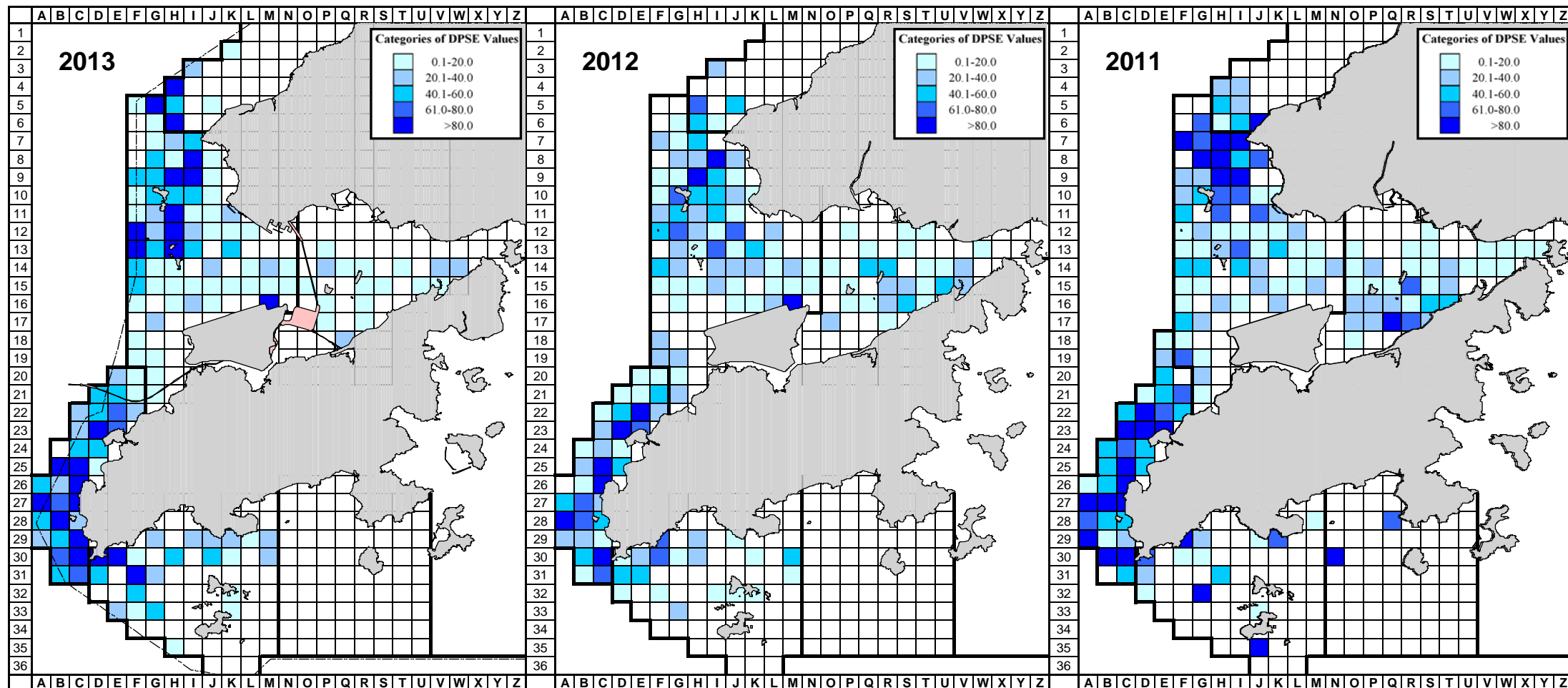


Figure 23. (right) Comparison of Chinese white dolphin densities with corrected survey effort per km<sup>2</sup> in waters around Lantau Island in 2011-13 (number within grids represent "DPSE" = no. of dolphins per 100 units of survey effort)

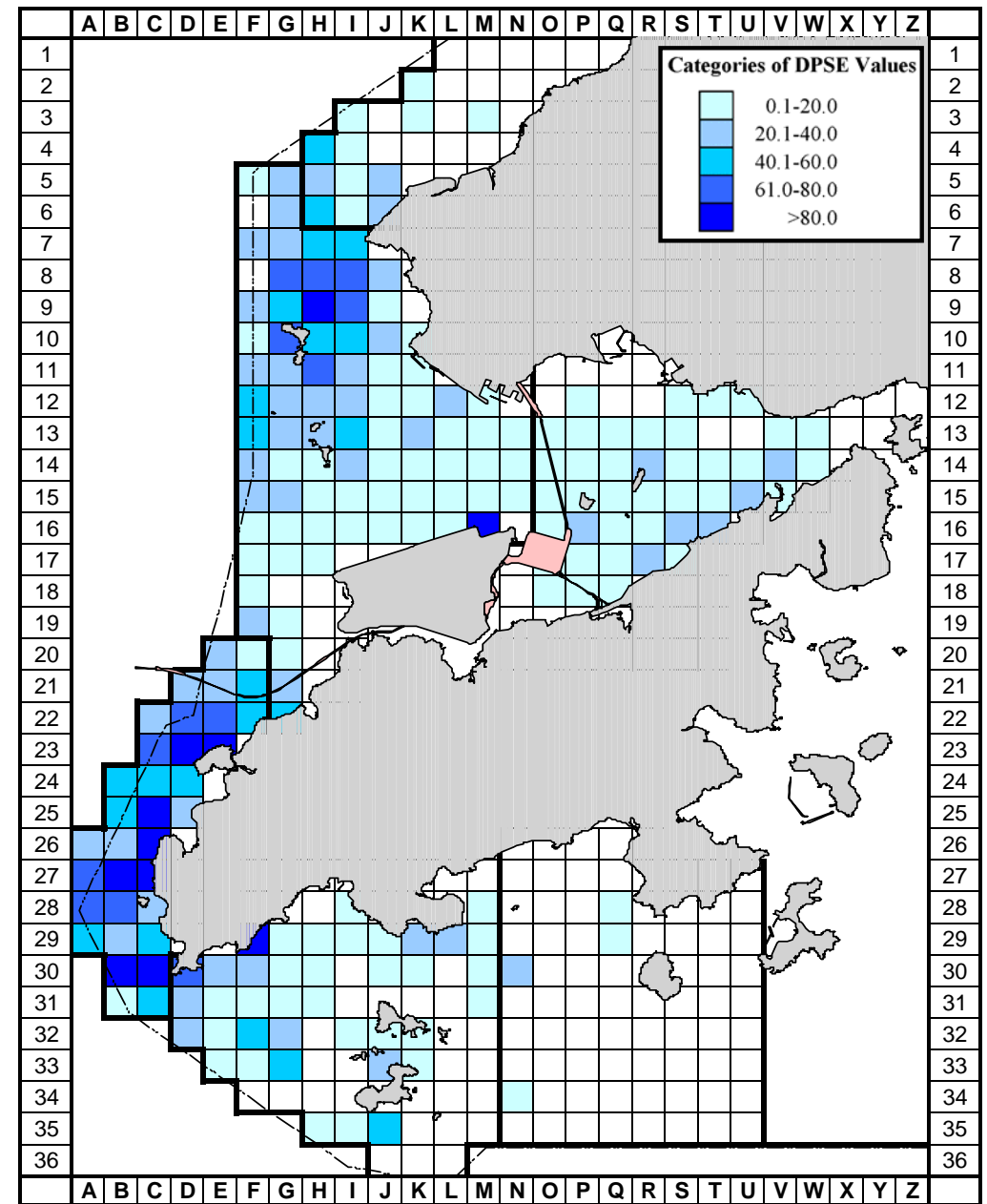
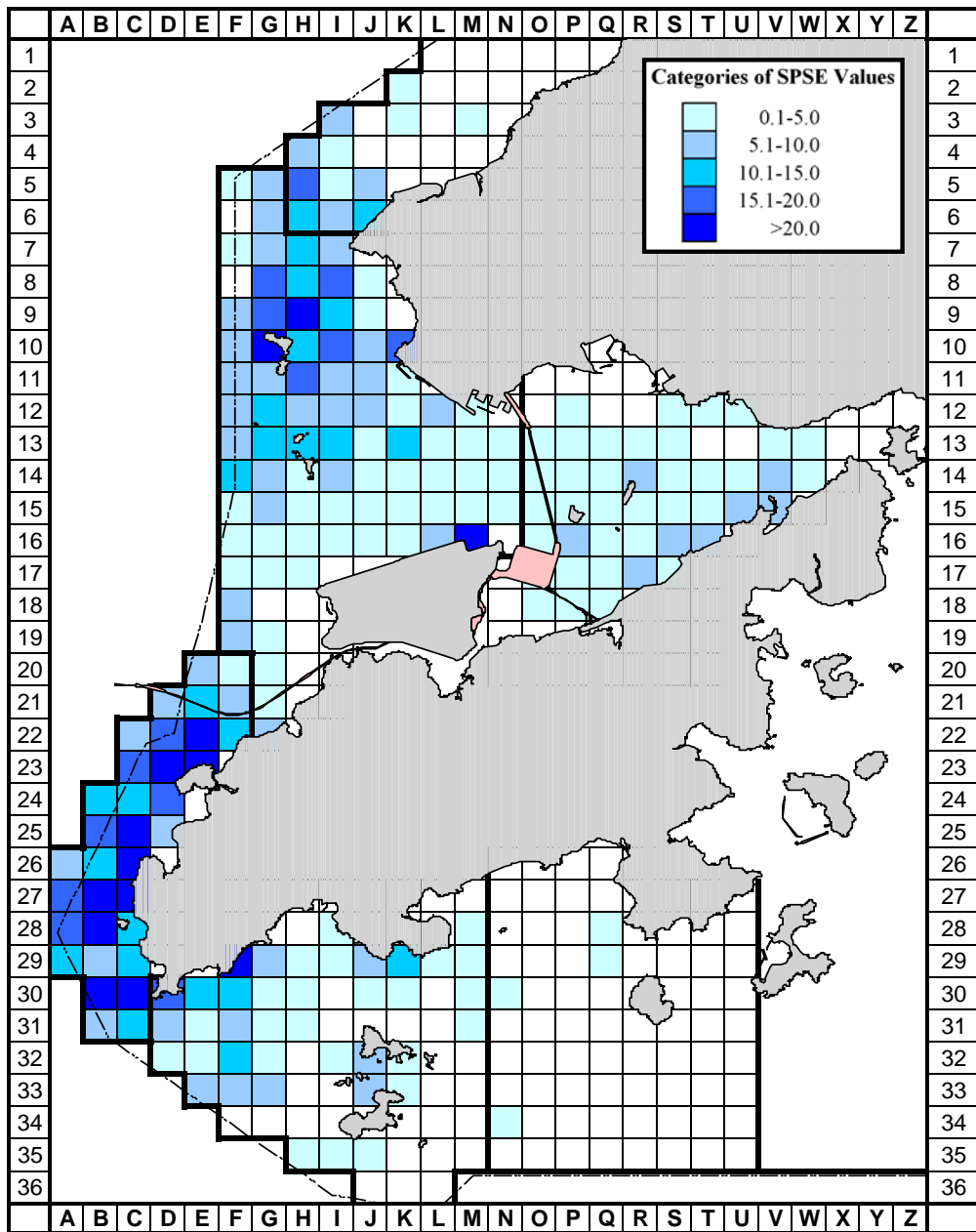


Figure 24. (left) Sighting density of Chinese white dolphins with corrected survey effort per km<sup>2</sup> in waters around Lantau Island during 2009-13 (number within grids represent "SPSE" = no. of on-effort sightings per 100 units of survey effort)  
 (right) Density of Chinese white dolphins with corrected survey effort per km<sup>2</sup> in waters around Lantau Island during 2009-13 (number within grids represent "DPSE" = no. of dolphins per 100 units of survey effort)



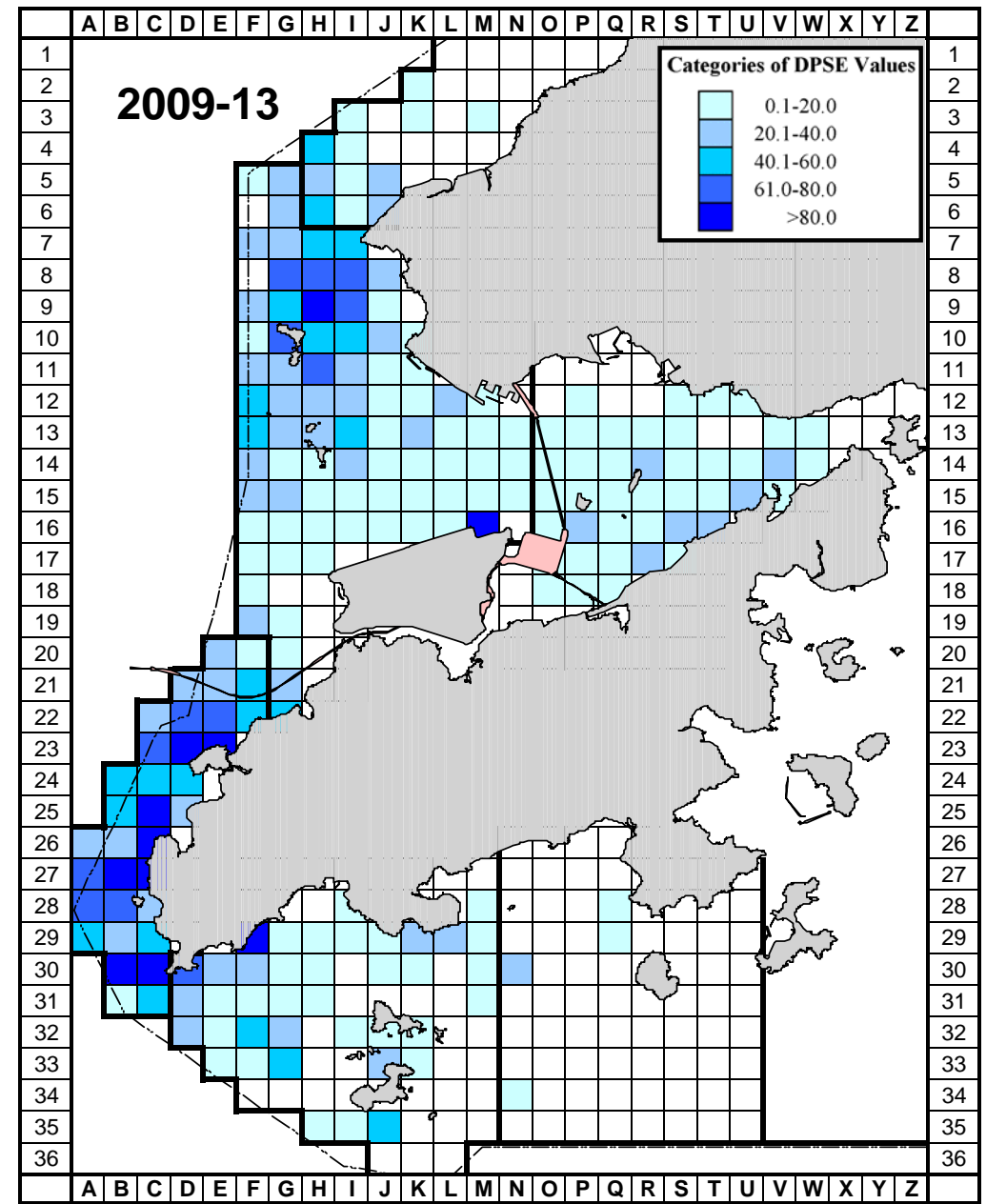
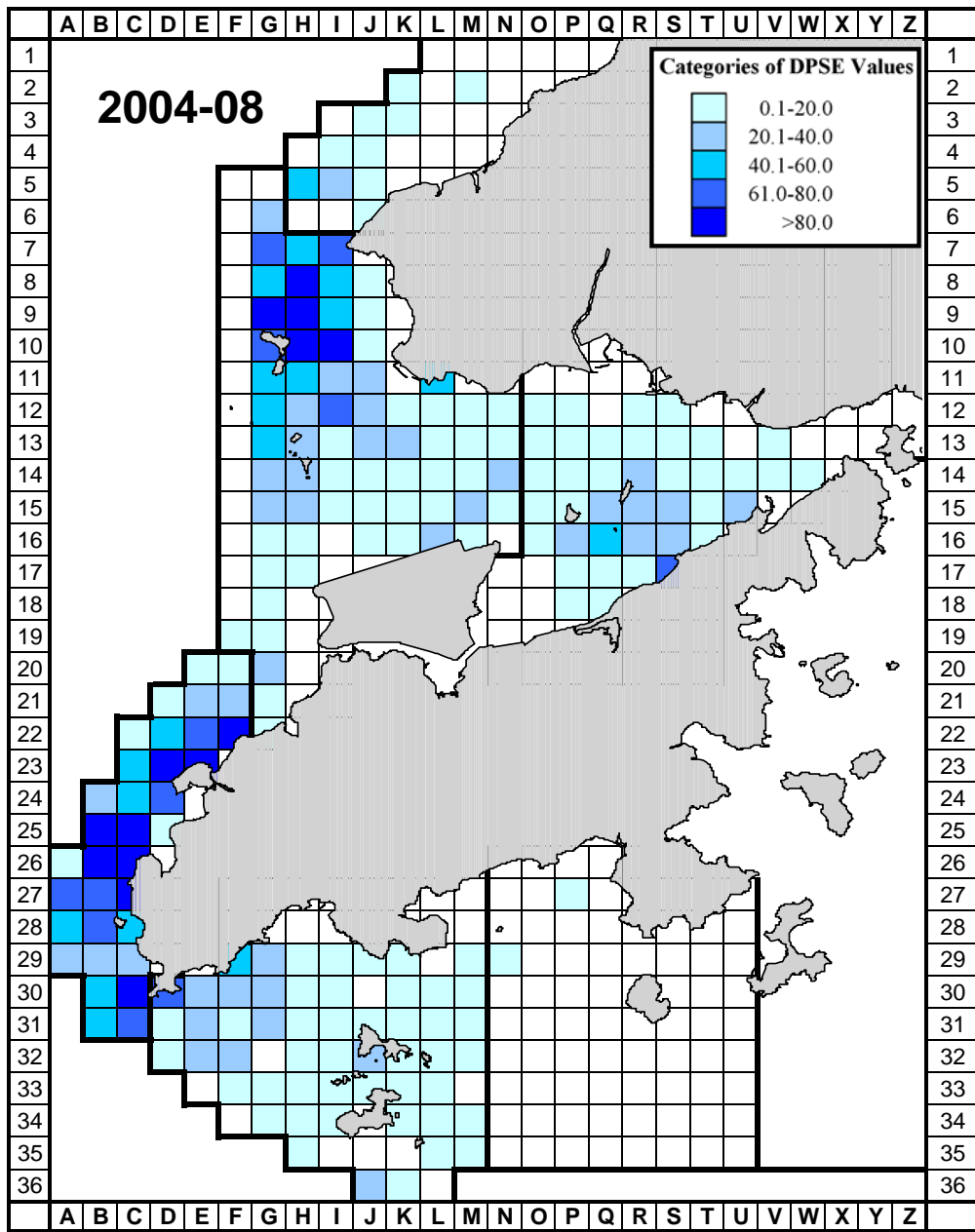


Figure 25. (left) Density of Chinese white dolphins with corrected survey effort per km<sup>2</sup> in waters around Lantau Island during 2004-08 (numbers within grids represent "DPSE" = no. of dolphins per 100 units of survey effort)  
 (right) Density of Chinese white dolphins with corrected survey effort per km<sup>2</sup> in waters around Lantau Island during 2009-13 (numbers within grids represent "DPSE" = no. of dolphins per 100 units of survey effort)

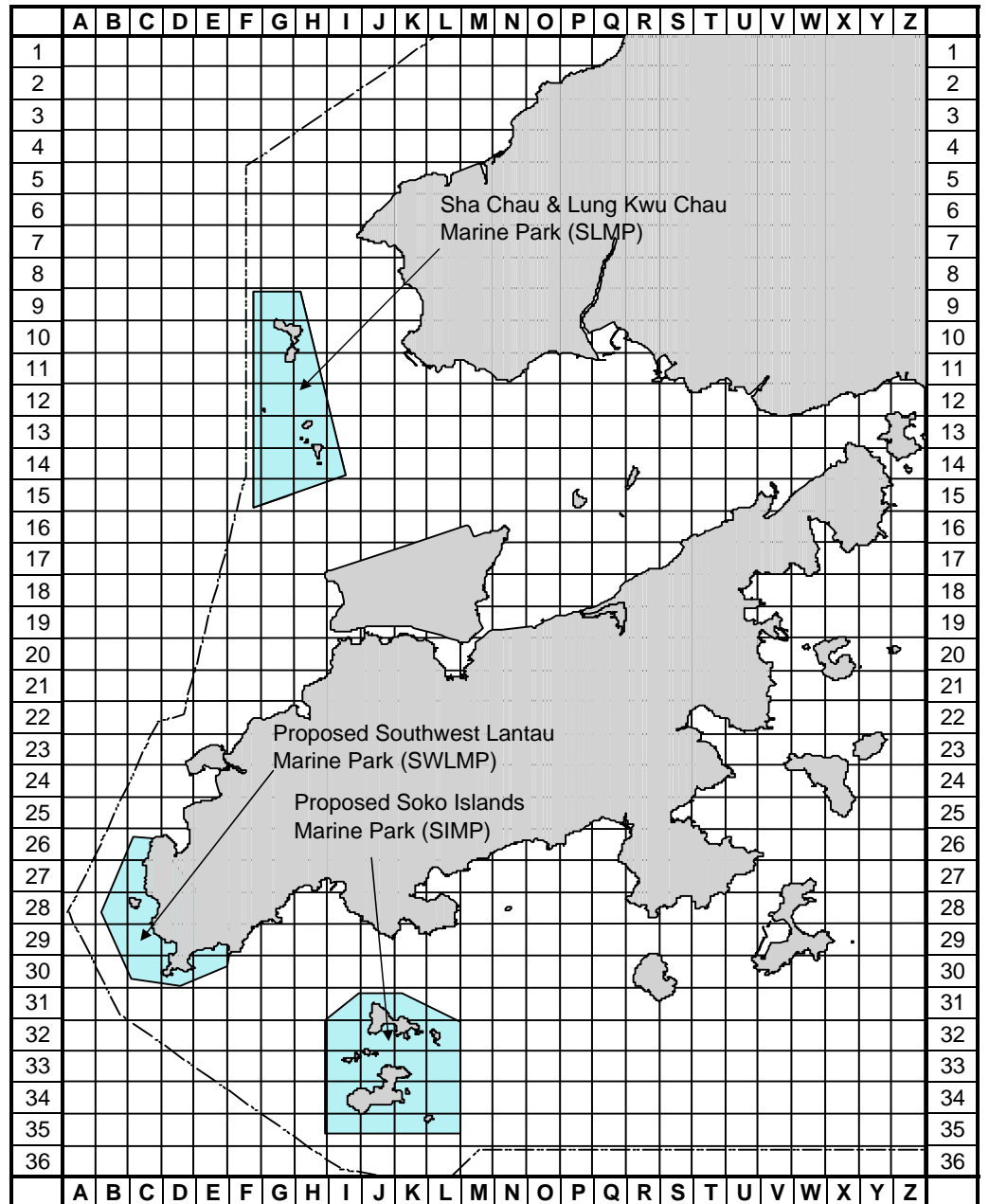
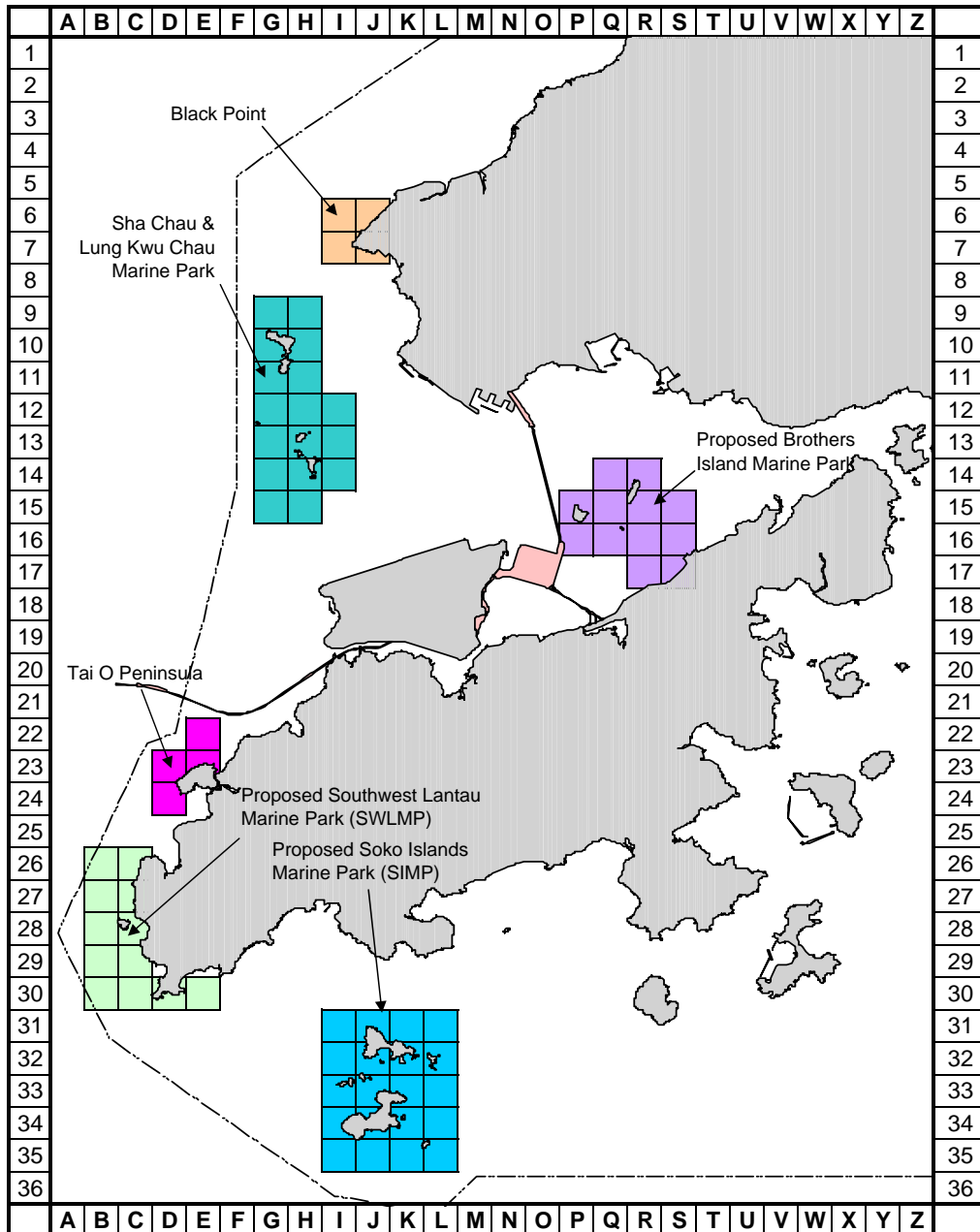


Figure 26. Grids of six key dolphin habitats that were examined for temporal trend in dolphin densities

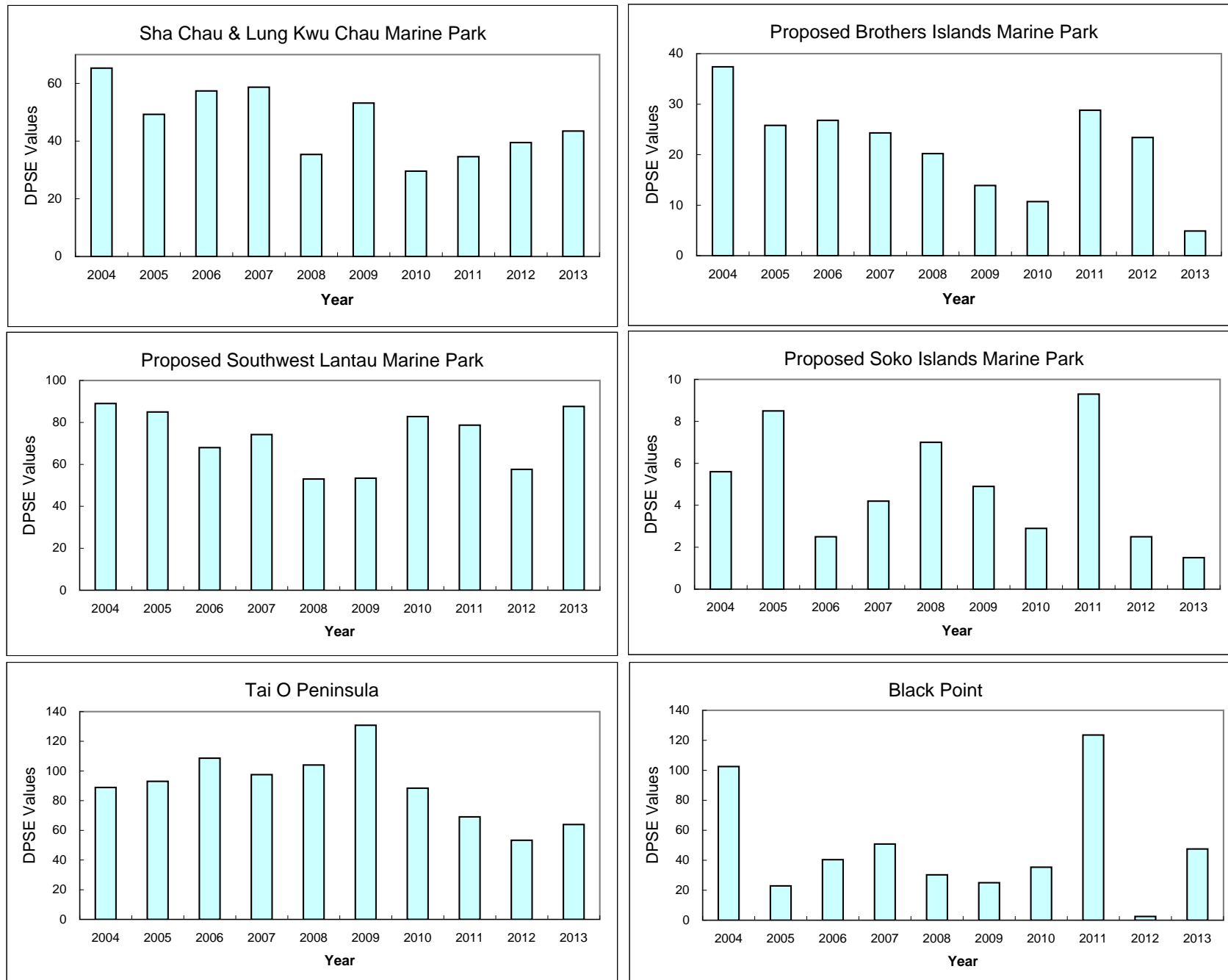


Figure 27. Temporal trend of dolphin densities (DPSE Values) at six key dolphin habitats in Lantau waters

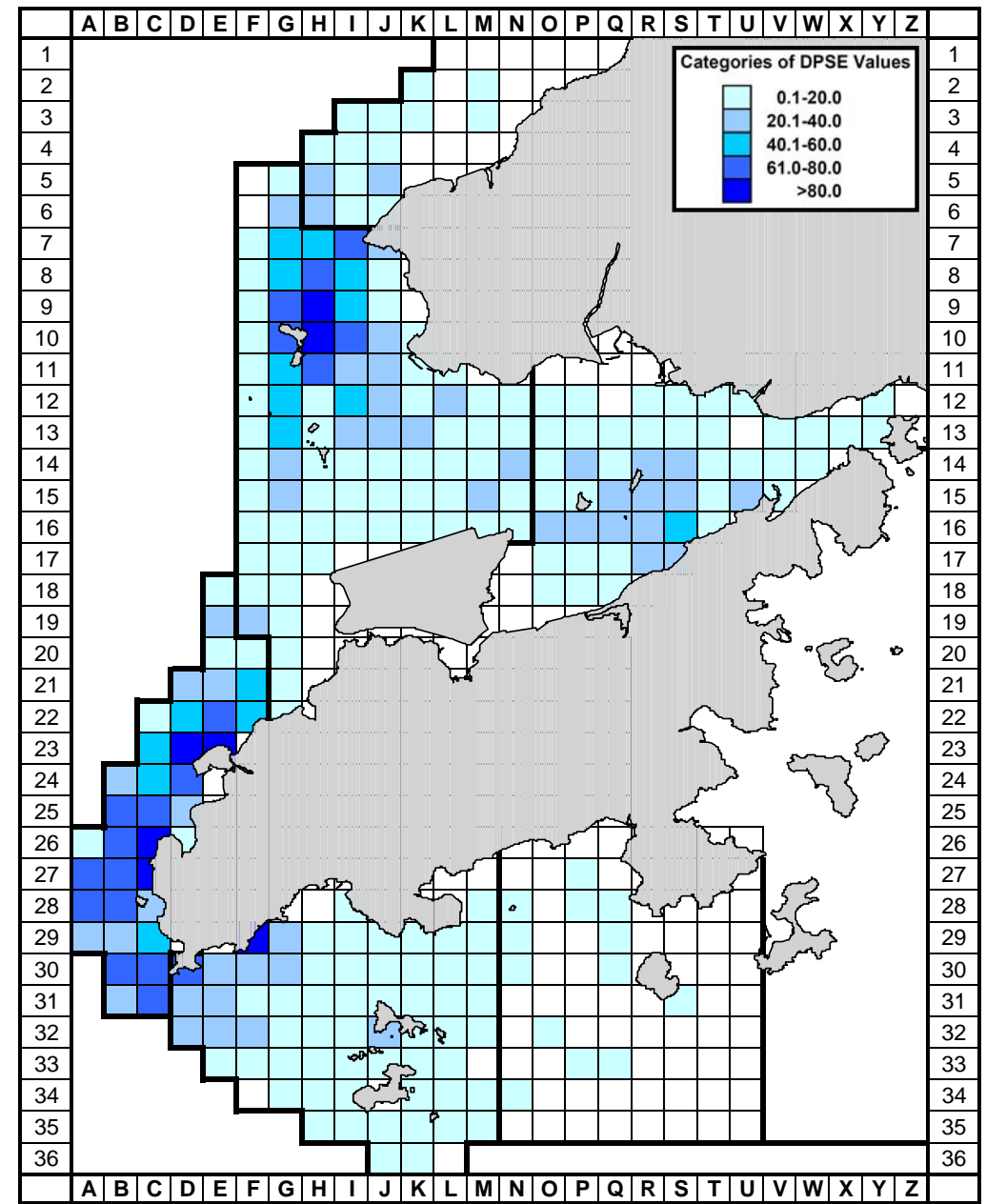
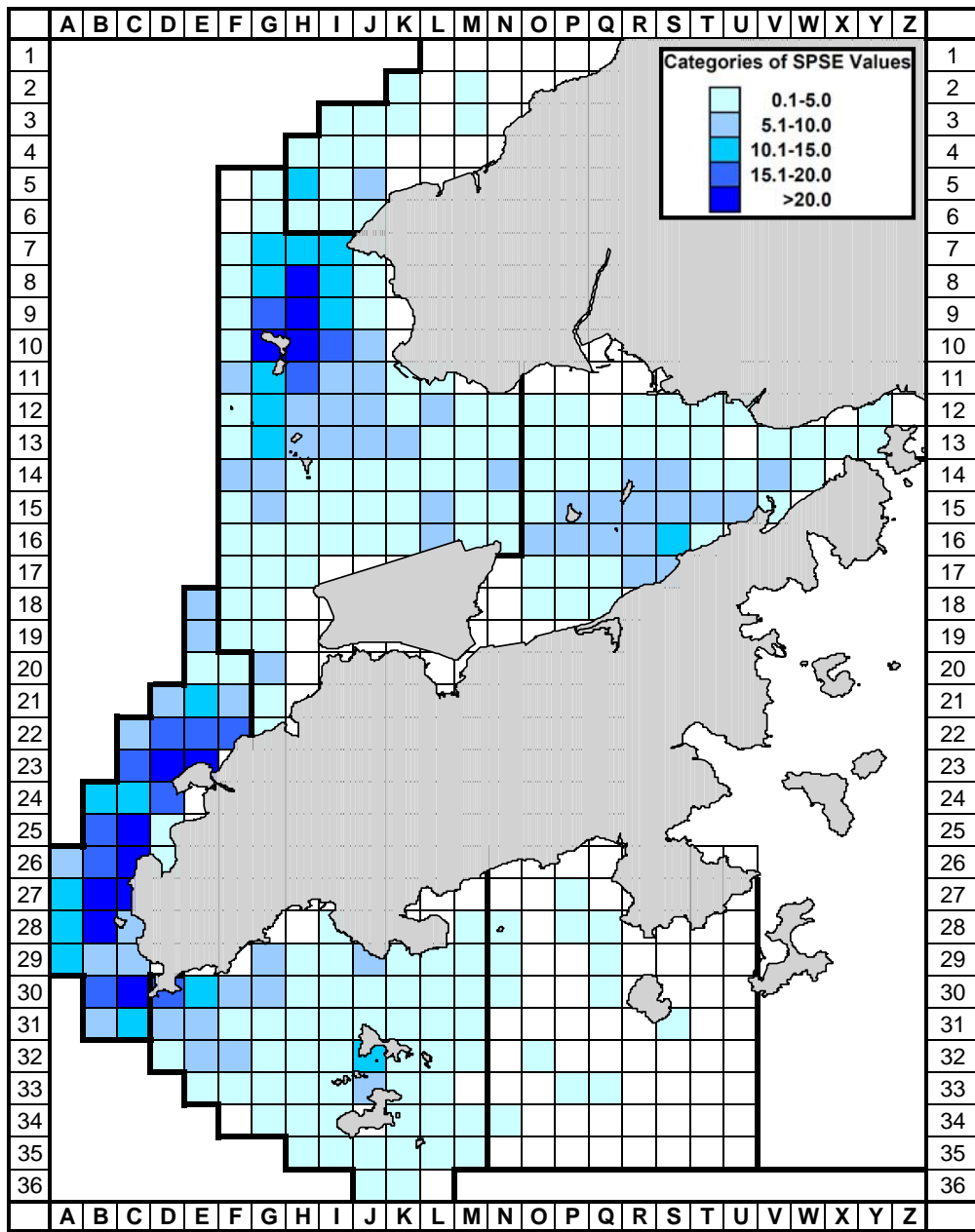


Figure 28. (left) Overall sighting density of Chinese white dolphins with corrected survey effort per km<sup>2</sup> in waters around Lantau Island, using data collected during 2001-12 (SPSE = no. of on-effort sightings per 100 units of survey effort)  
 (right) Overall density of Chinese white dolphins with corrected survey effort per km<sup>2</sup> in waters around Lantau Island, using data collected during 2001-12 (DPSE = no. of dolphins per 100 units of survey effort)

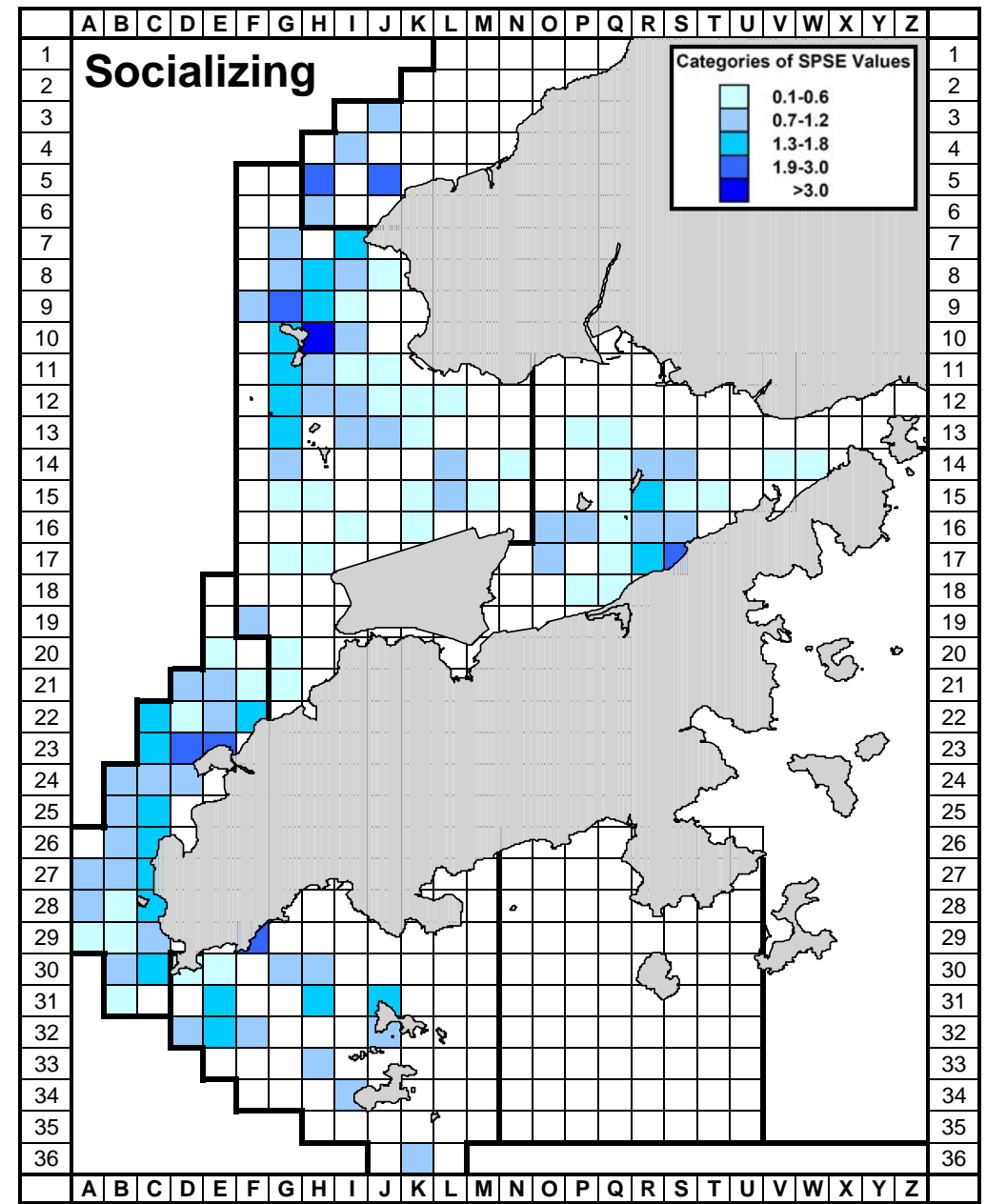
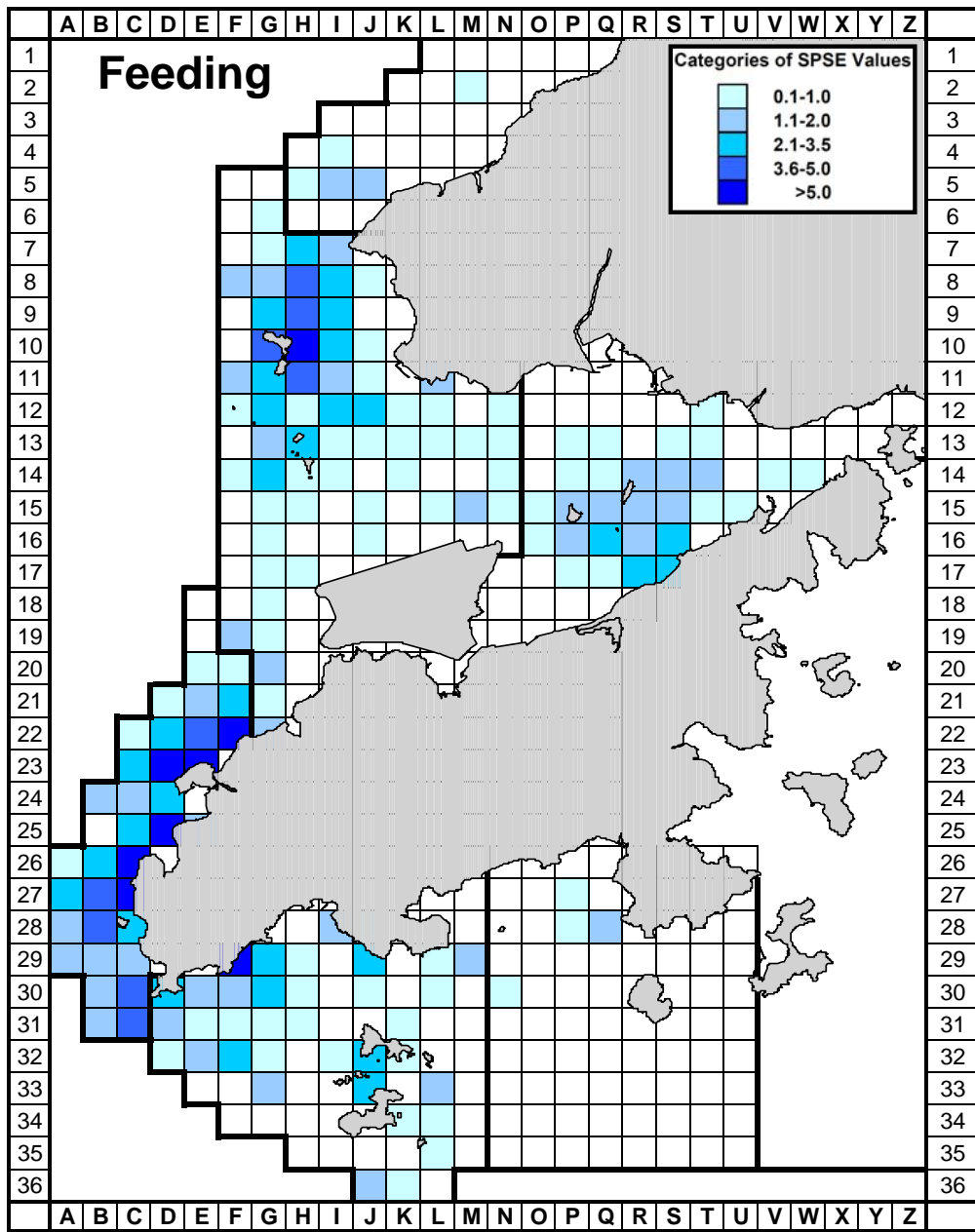


Figure 29. (left) Sighting density of Chinese white dolphins per km<sup>2</sup> engaged in feeding activities in waters around Lantau Island from 2001-12 (SPSE = no. of on-effort dolphin sightings per 100 units of survey effort)  
 (right) Sighting density of Chinese white dolphins per km<sup>2</sup> engaged in socializing activities in waters around Lantau Island from 2001-12 (SPSE = no. of on-effort dolphin sightings per 100 units of survey effort)

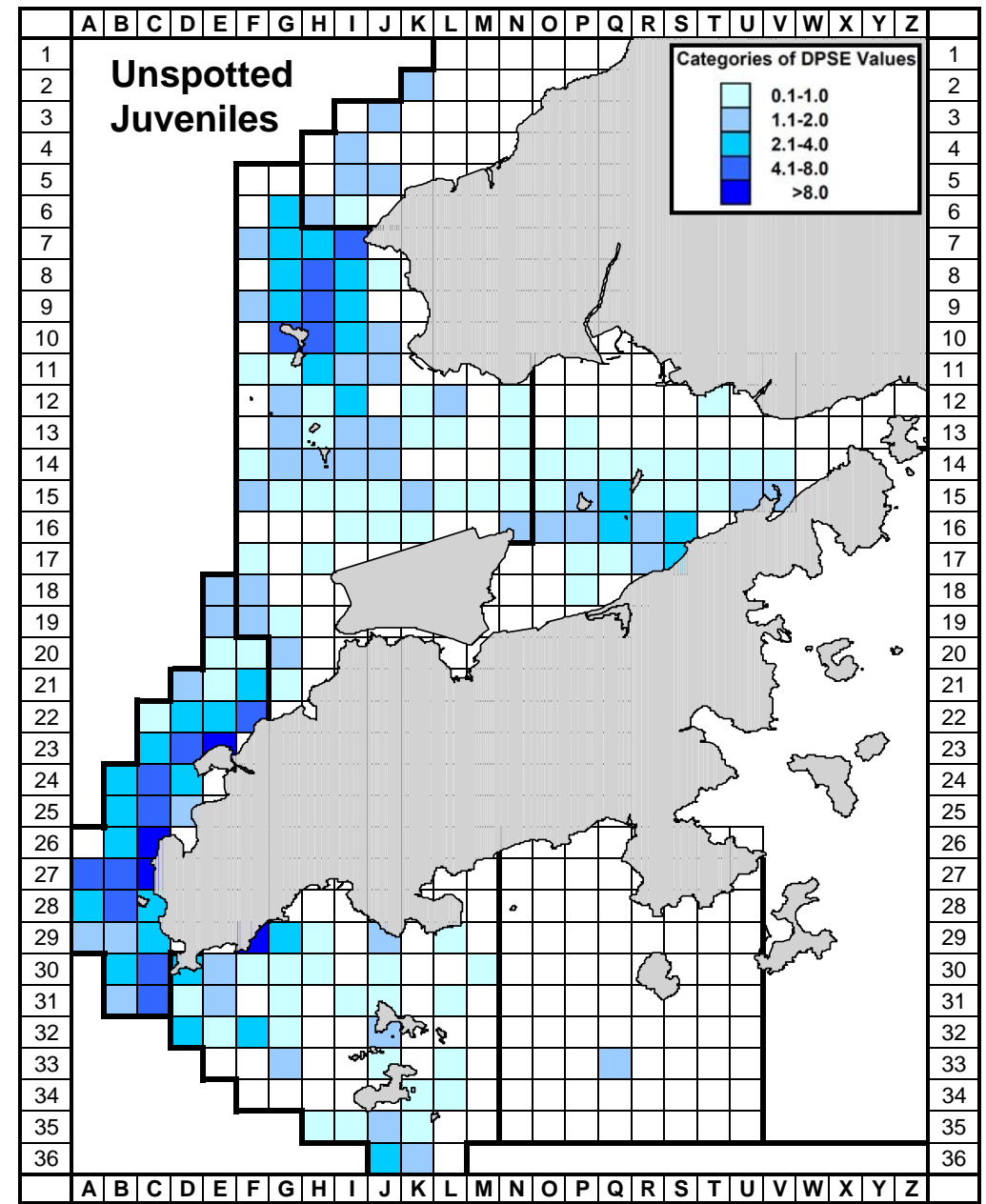
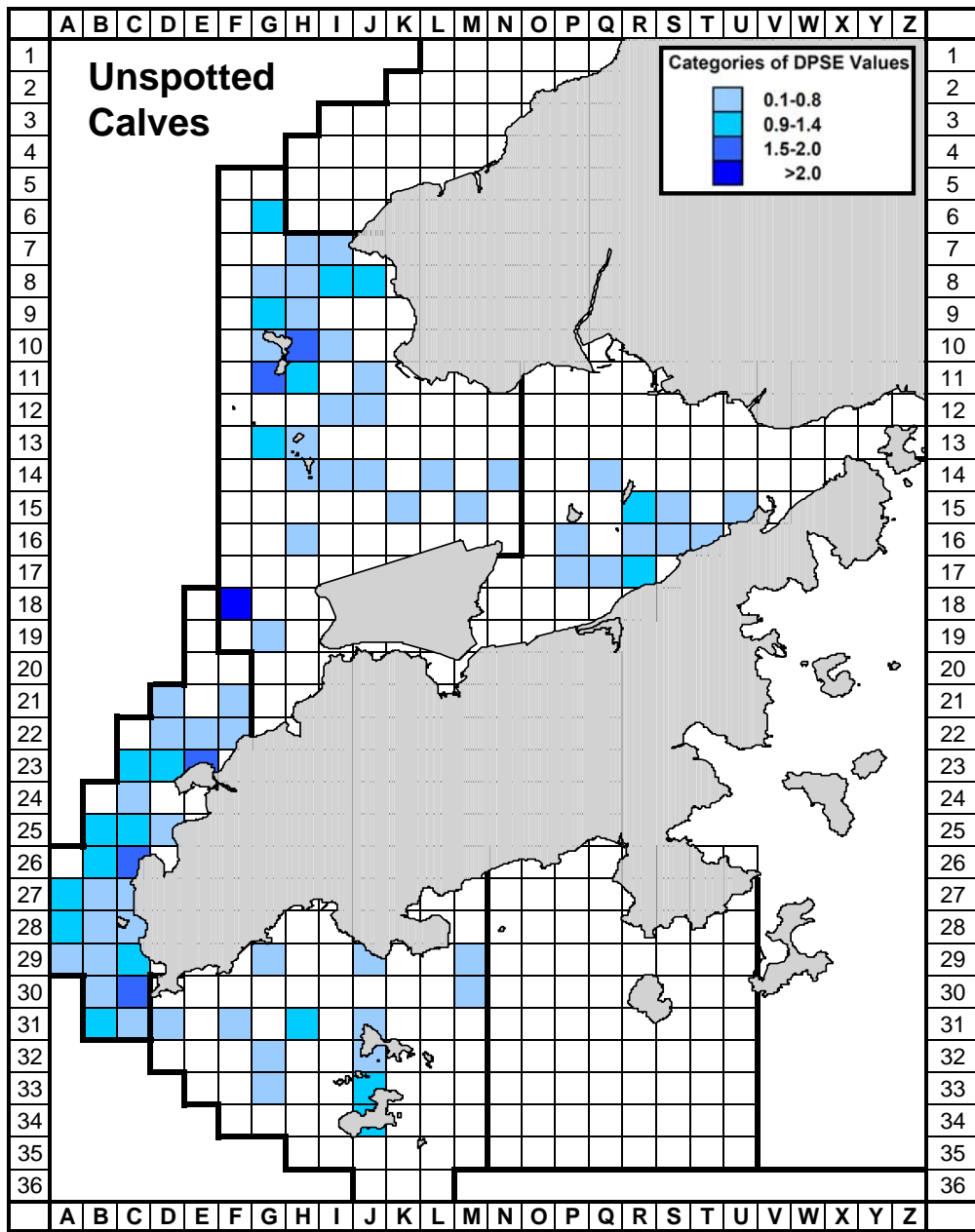


Figure 30. (left) Density of unspotted calves of Chinese white dolphins per km<sup>2</sup> in waters around Lantau Island from 2001-12 (DPSE = no. of unspotted calves per 100 units of survey effort)  
 (right) Density of unspotted juveniles of Chinese white dolphins per km<sup>2</sup> in waters around Lantau Island from 2001-12 (DPSE = no. of unspotted juveniles per 100 units of survey effort)

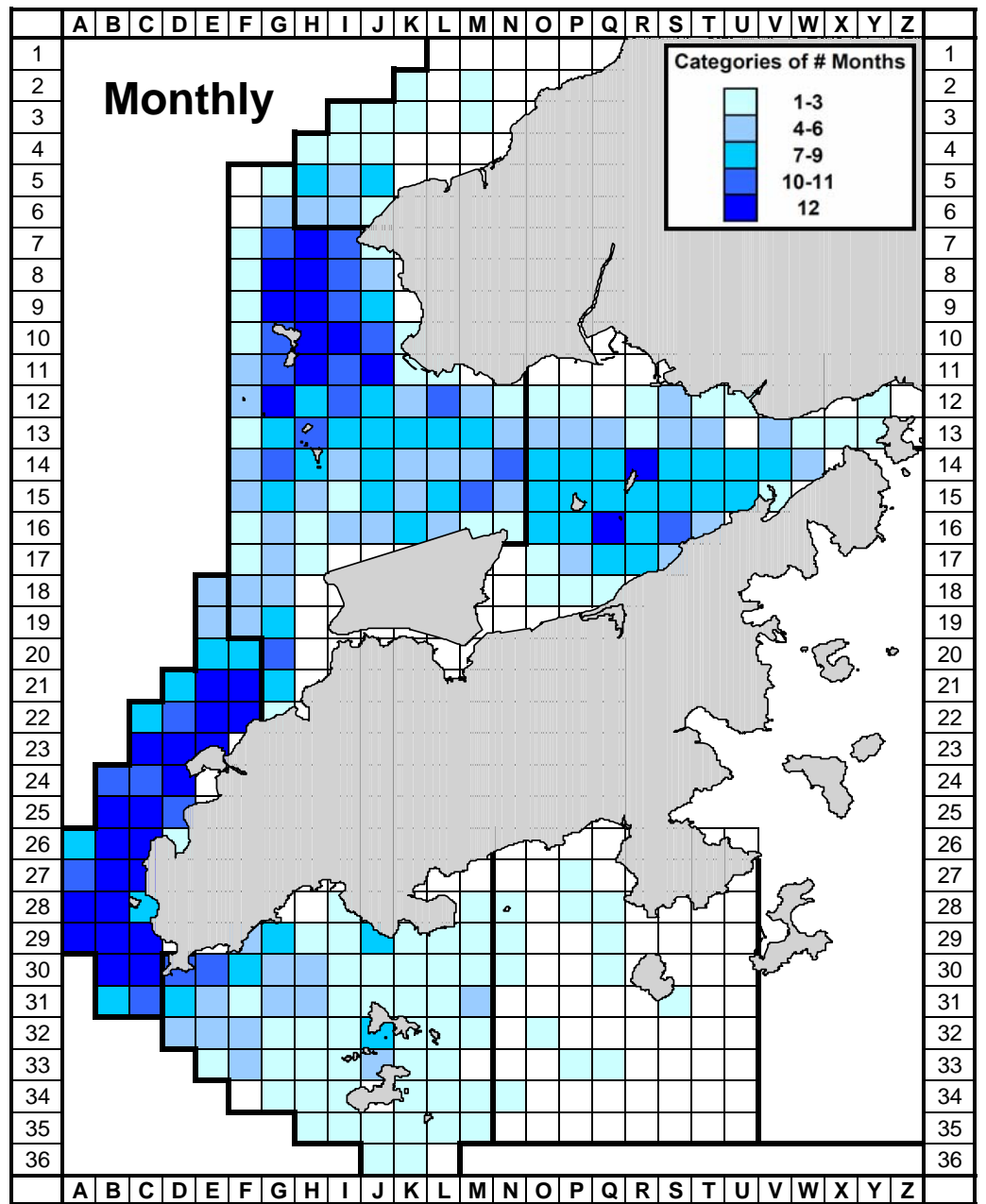
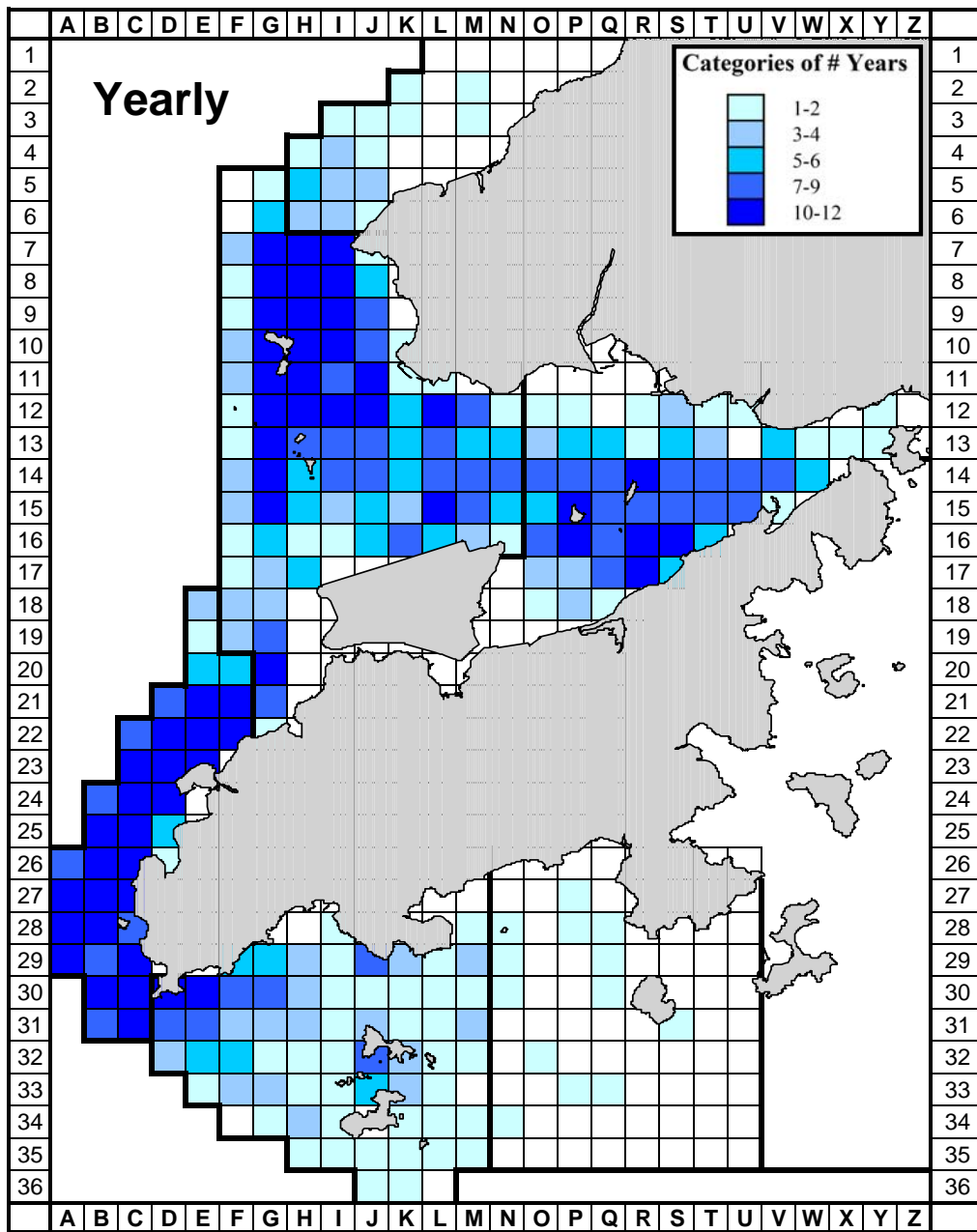


Figure 31. (left) Number of years with Chinese white dolphin sighting records per km<sup>2</sup> in waters around Lantau Island from 2001-12  
 (right) Number of months with Chinese white dolphin sighting records per km<sup>2</sup> in waters around Lantau Island from 2001-12

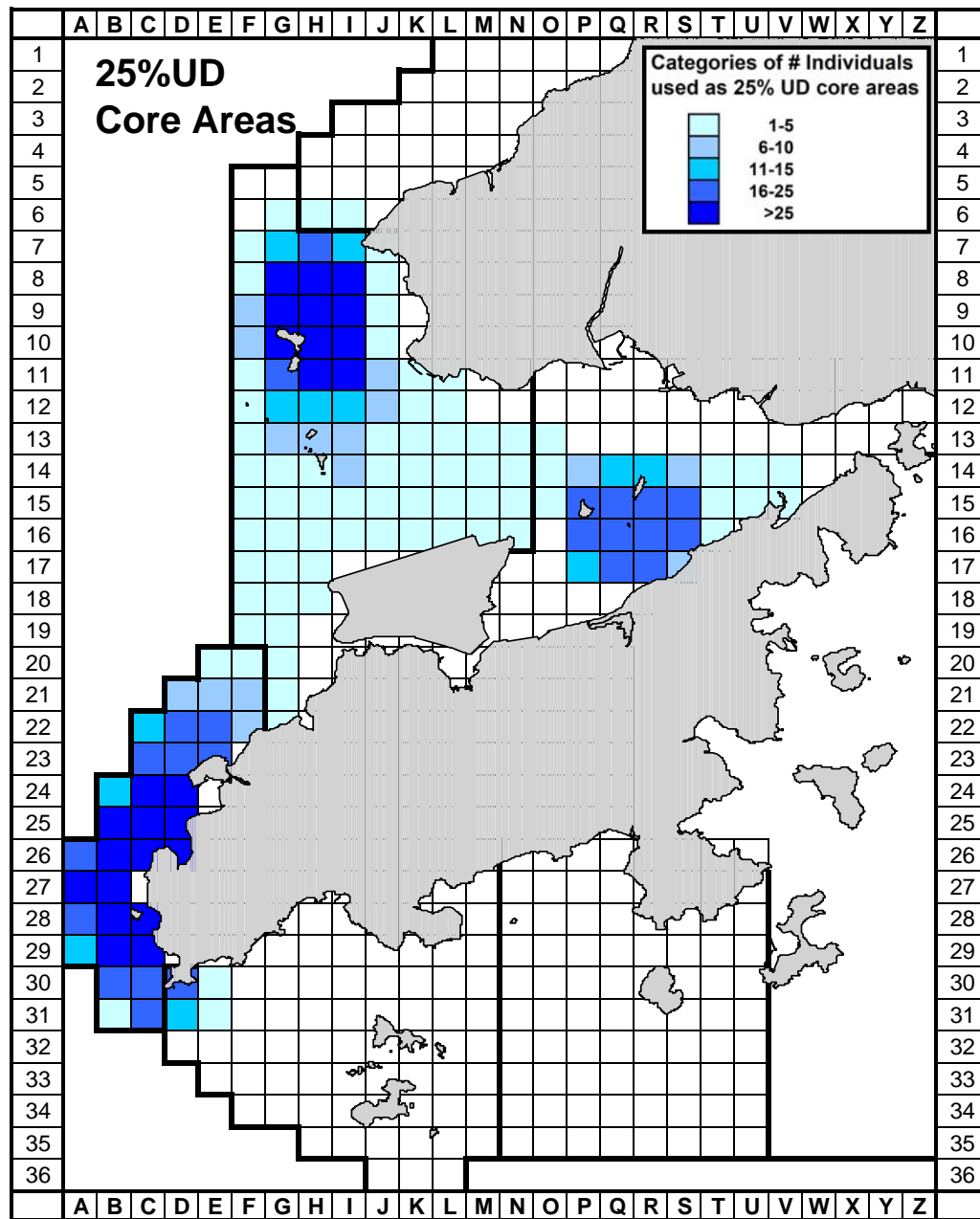
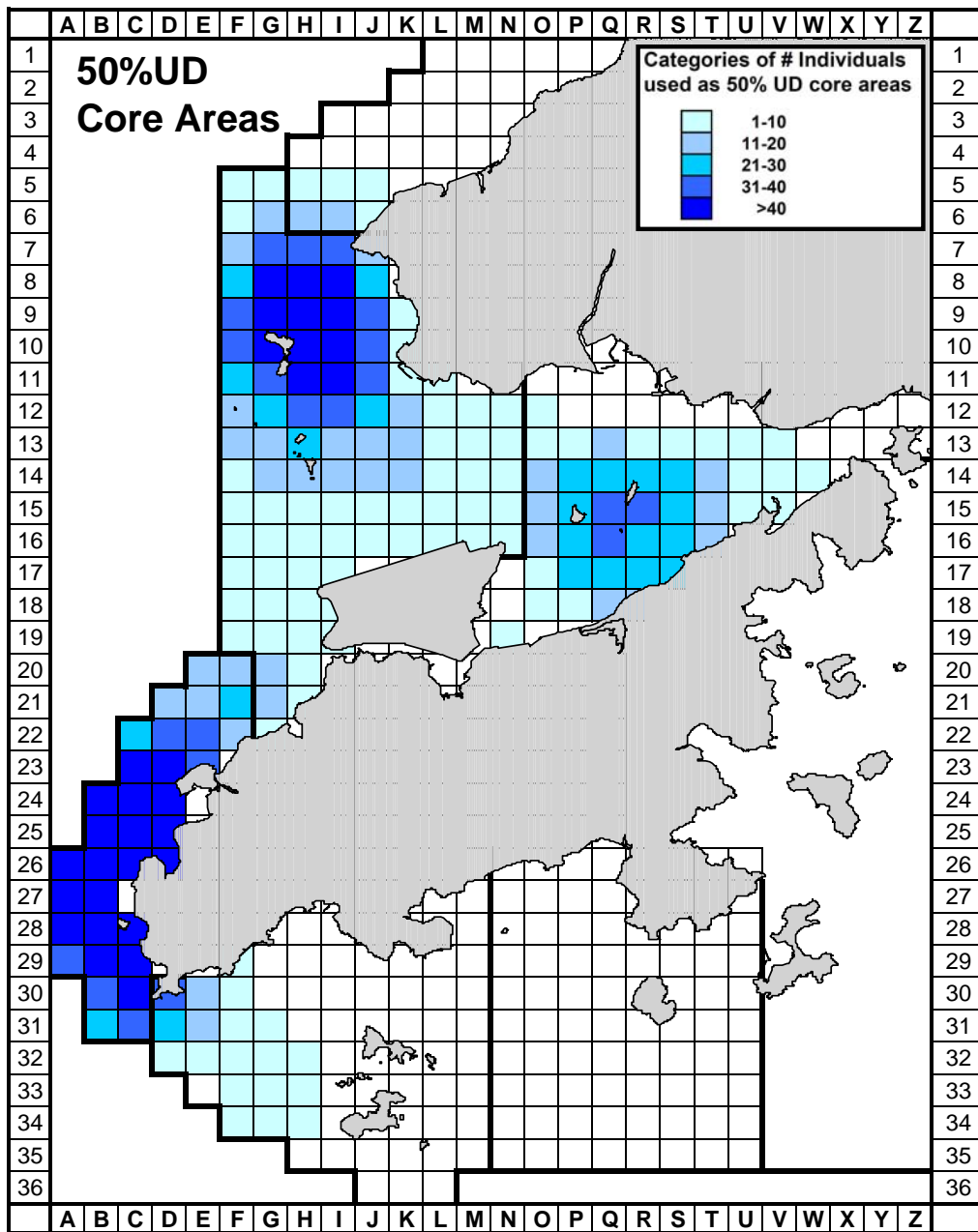


Figure 32. (left) No. of individual Chinese white dolphins with their 50% UD core areas overlapped with each 1 km<sup>2</sup> grid in waters around Lantau Island from 2001-12 (right) No. of individual Chinese white dolphins with their 25% UD core areas overlapped with each 1 km<sup>2</sup> grid in waters around Lantau Island from 2001-12



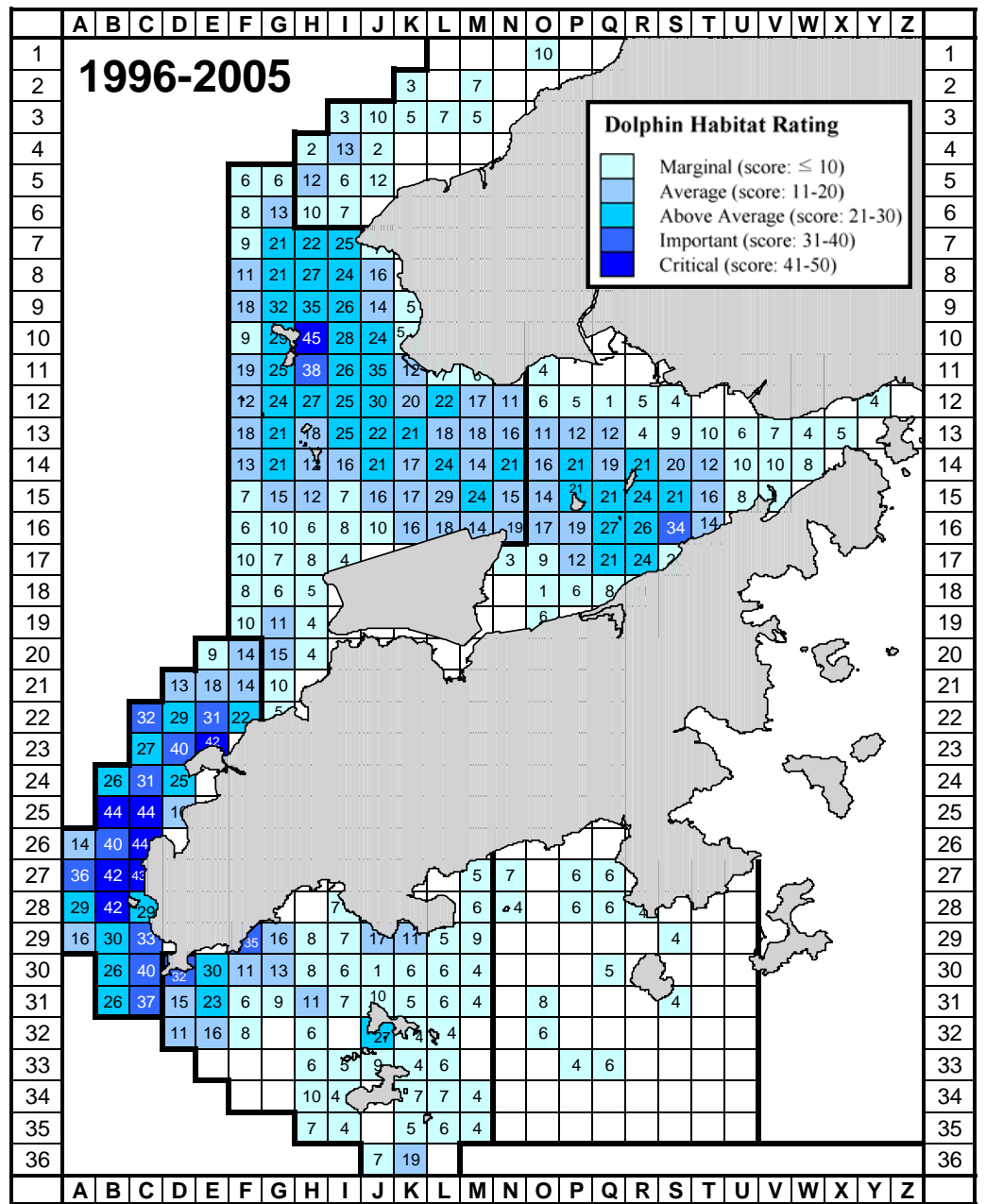
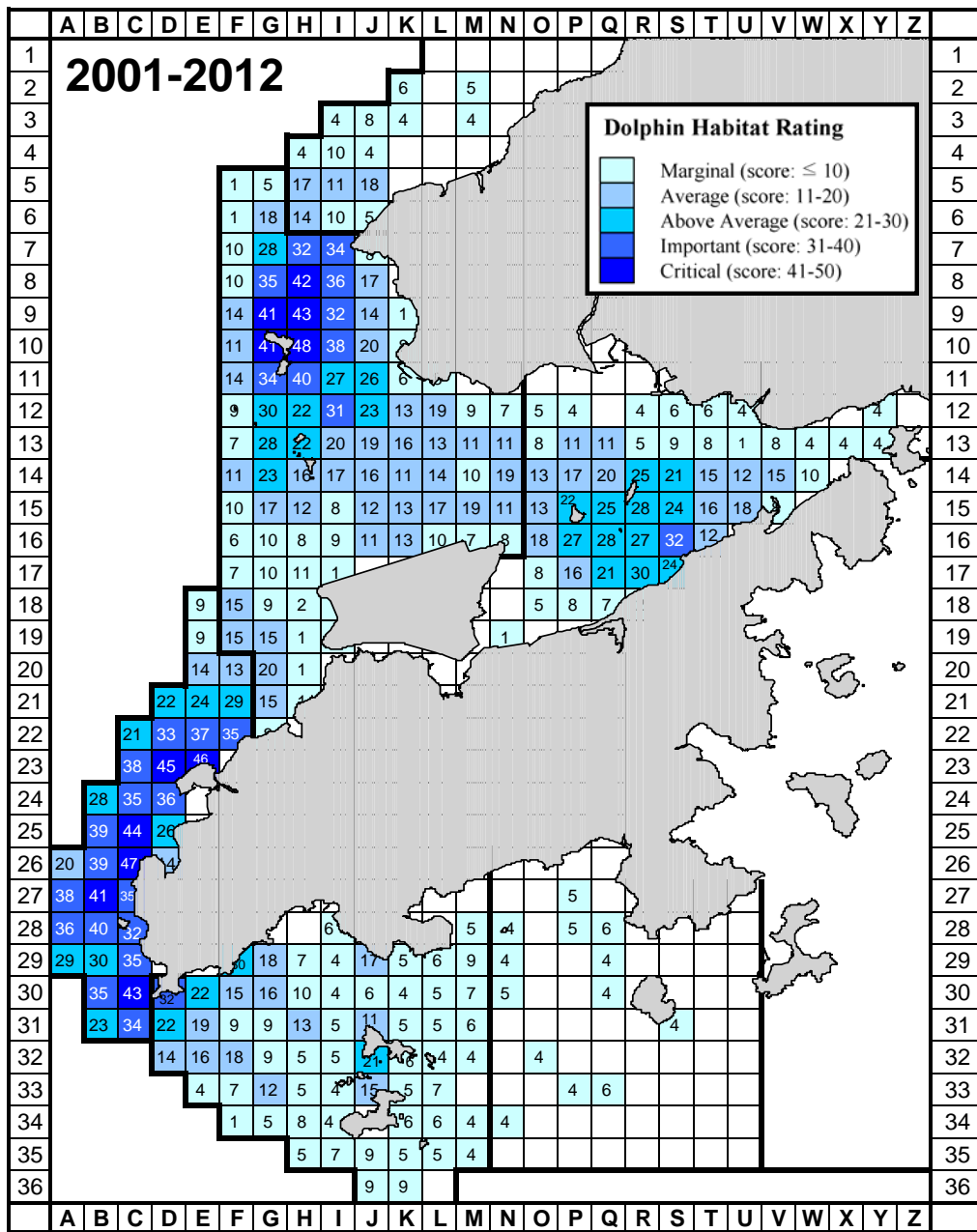


Figure 33. Habitat rating of Chinese white dolphins in Hong Kong using quantitative habitat use information collected during 2001-12 and 1996-2005 (number within grids represents the sum of scores totaled from 10 selection criteria)

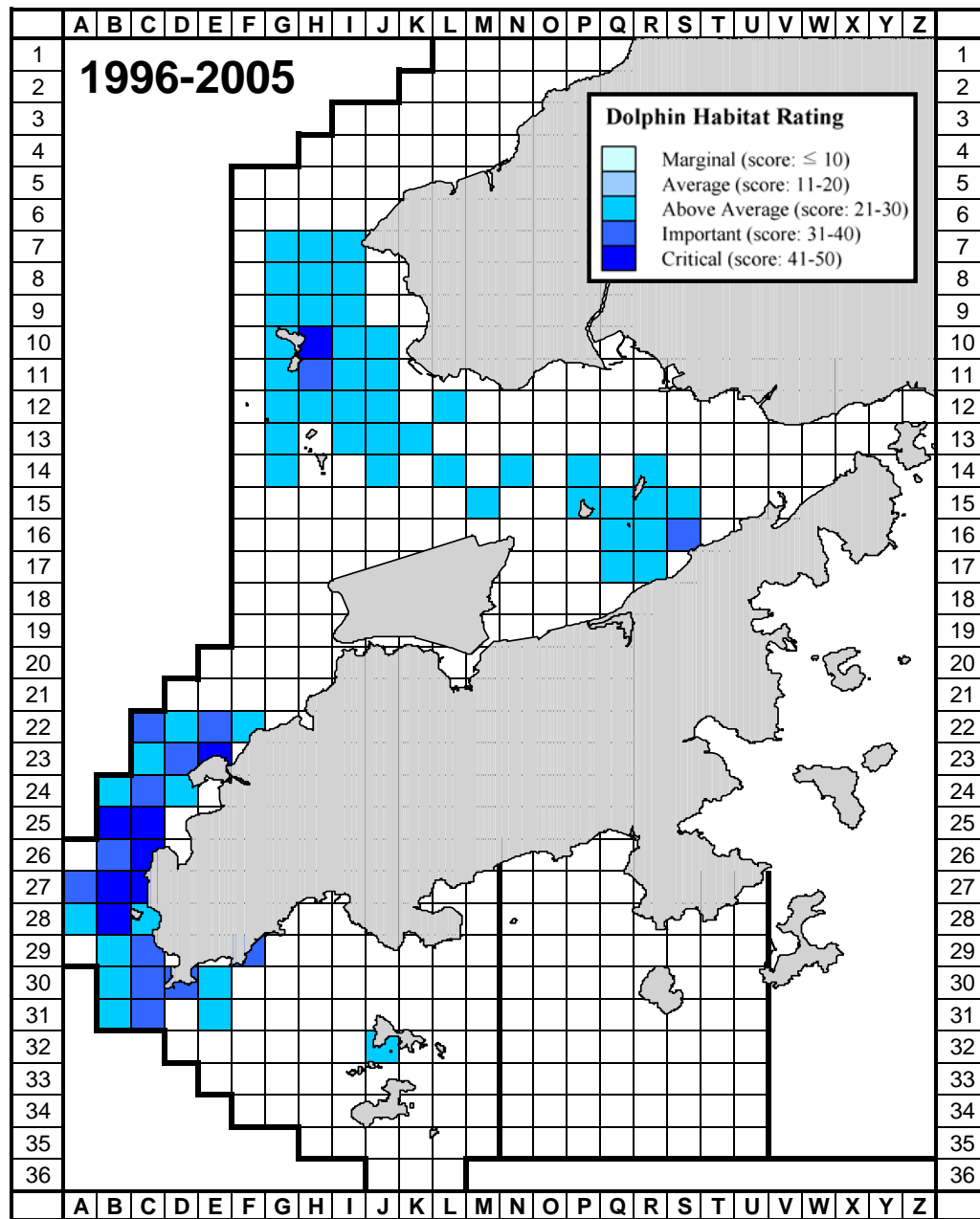
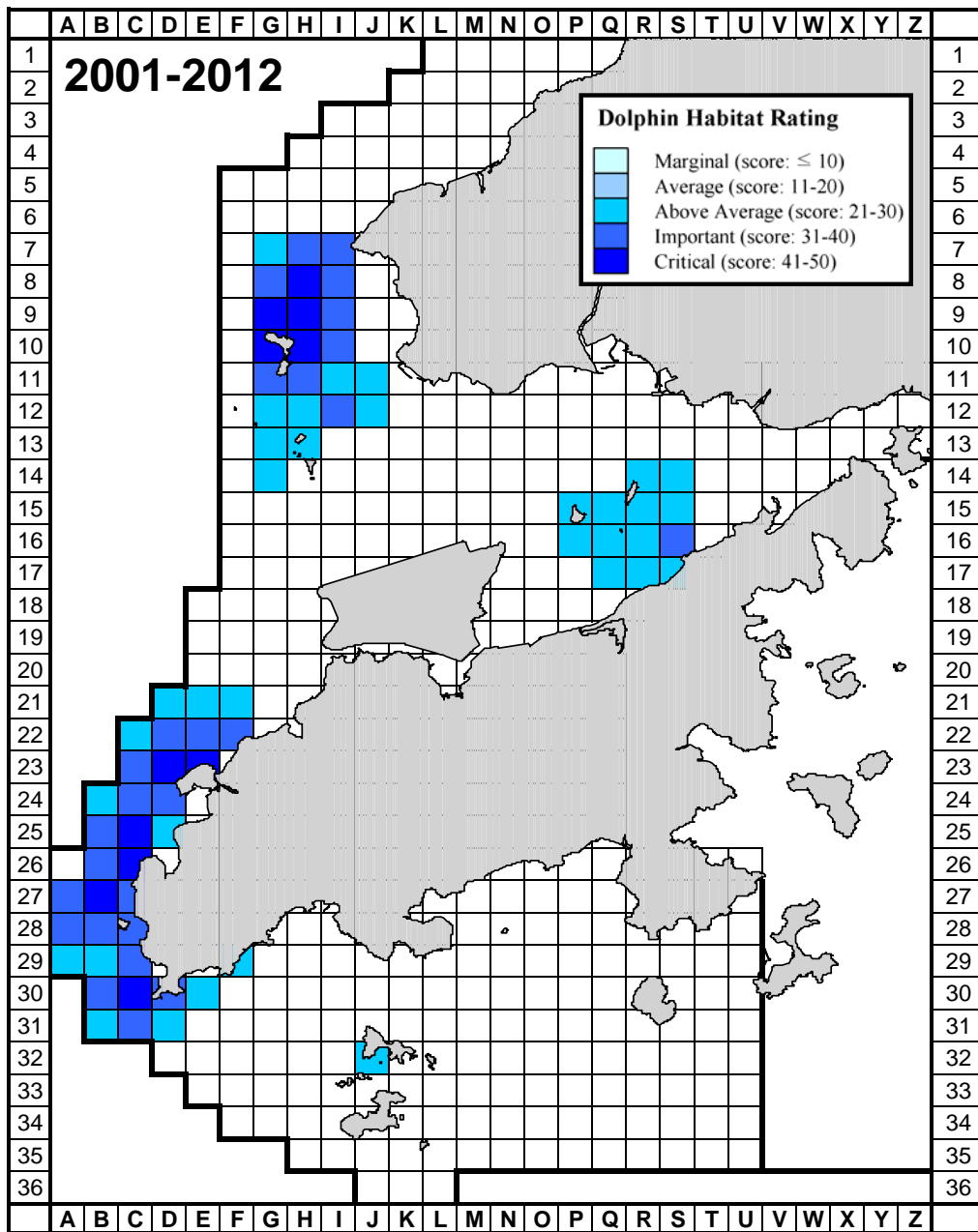


Figure 34. Comparisons between 2001-12 and 1996-2005 for grids that are rated as above average, important and critical dolphin habitat that should deserve habitat protection for dolphin conservation purposes

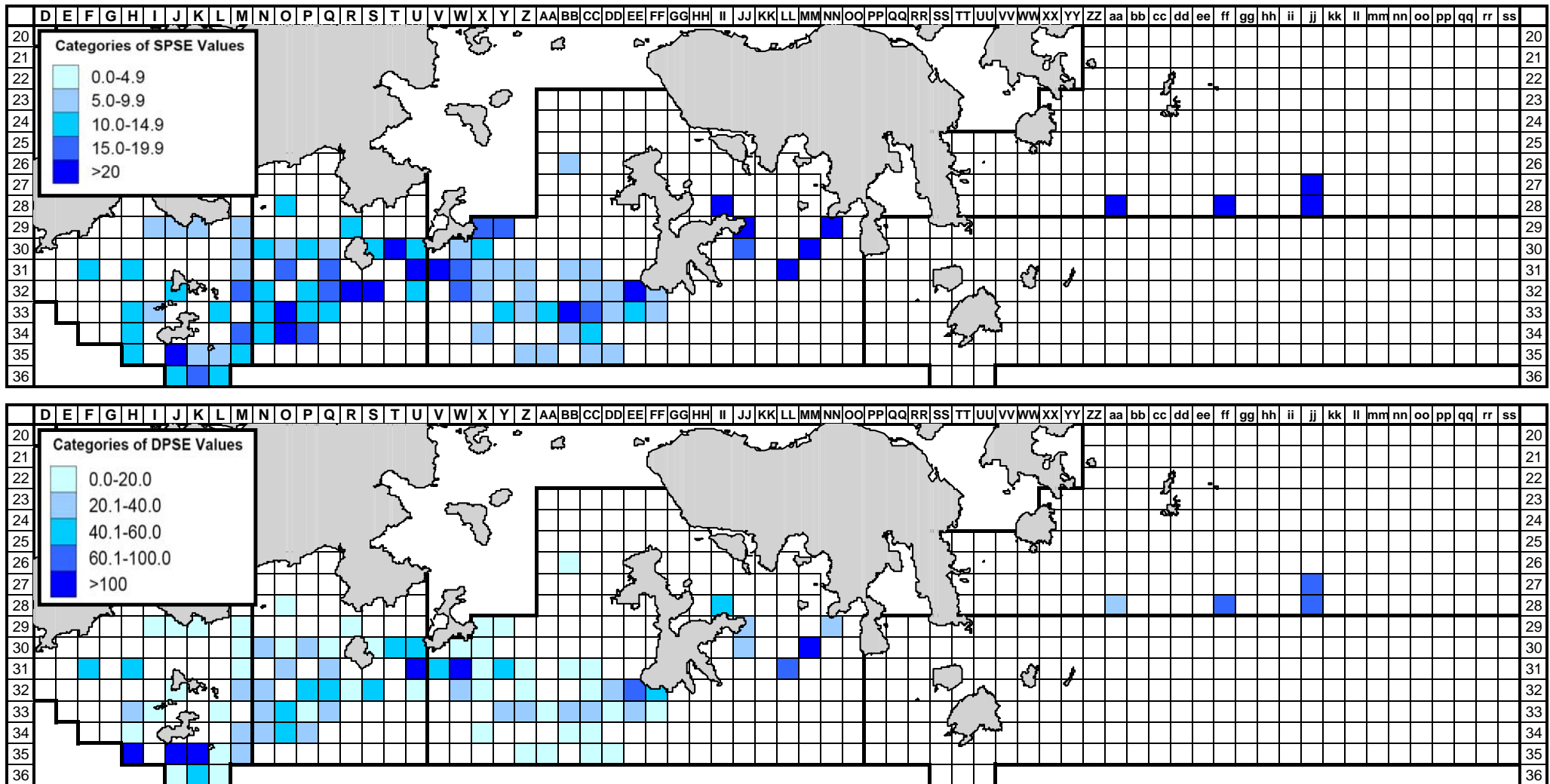


Figure 35. (top) Sighting density of finless porpoises with corrected survey effort per km<sup>2</sup> in southern waters of Hong Kong (number within grids represent "SPSE" = no. of on-effort porpoise sightings per 100 units of survey effort) (using data from January - December 2013)

(bottom) Density of finless porpoises with corrected survey effort per km<sup>2</sup> in southern waters of Hong Kong (number within grids represents "DPSE" = no. of porpoises per 100 units of survey effort) (using data from January - December 2013)

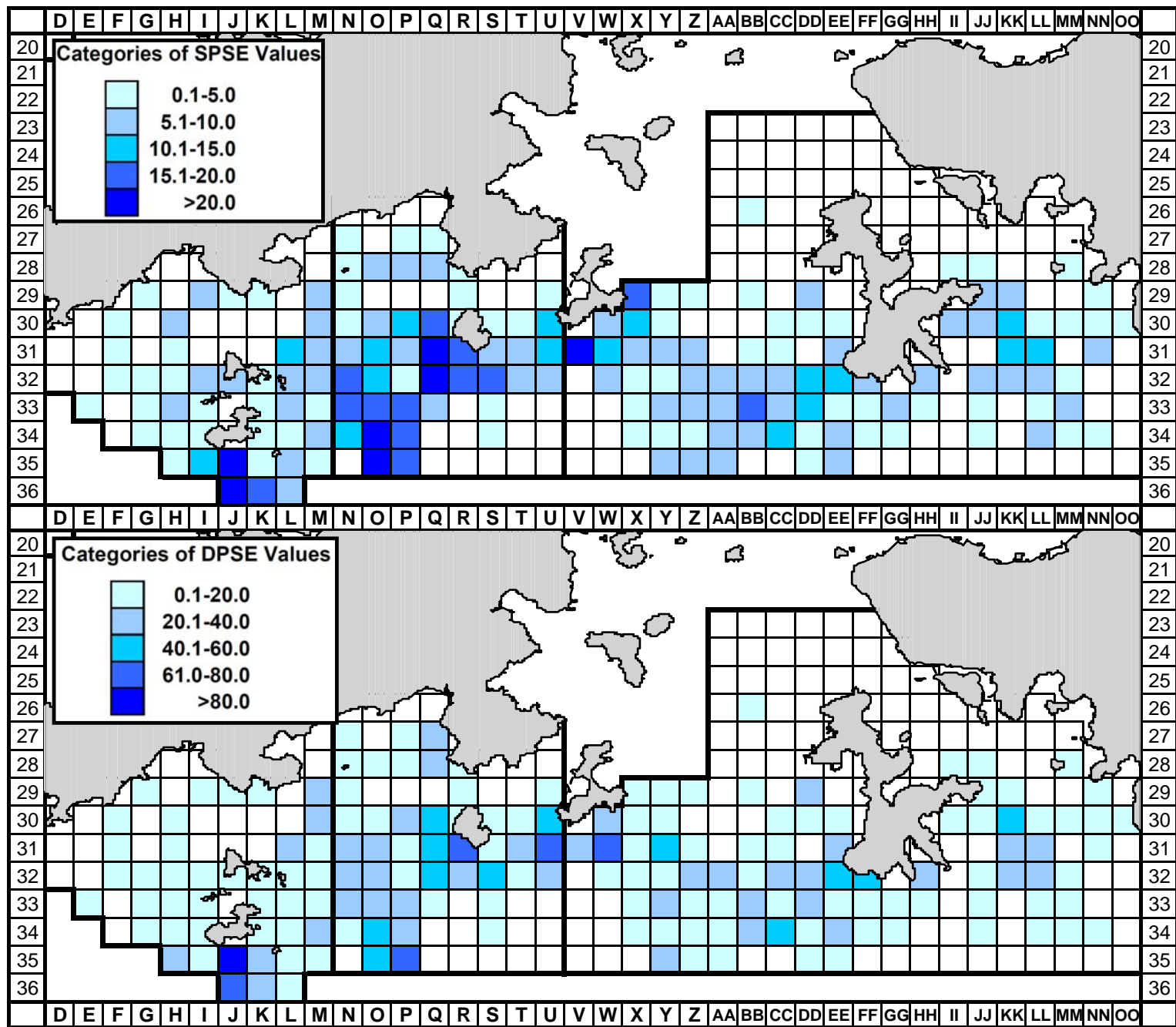


Figure 36. Density of finless porpoises with corrected survey effort per km<sup>2</sup> in southern waters of Hong Kong during dry season (December to May), using data collected during 2004-13 (SPSE = no. of on-effort porpoise sightings per 100 units of survey effort; DPSE = no. of porpoises per 100 units of survey effort)

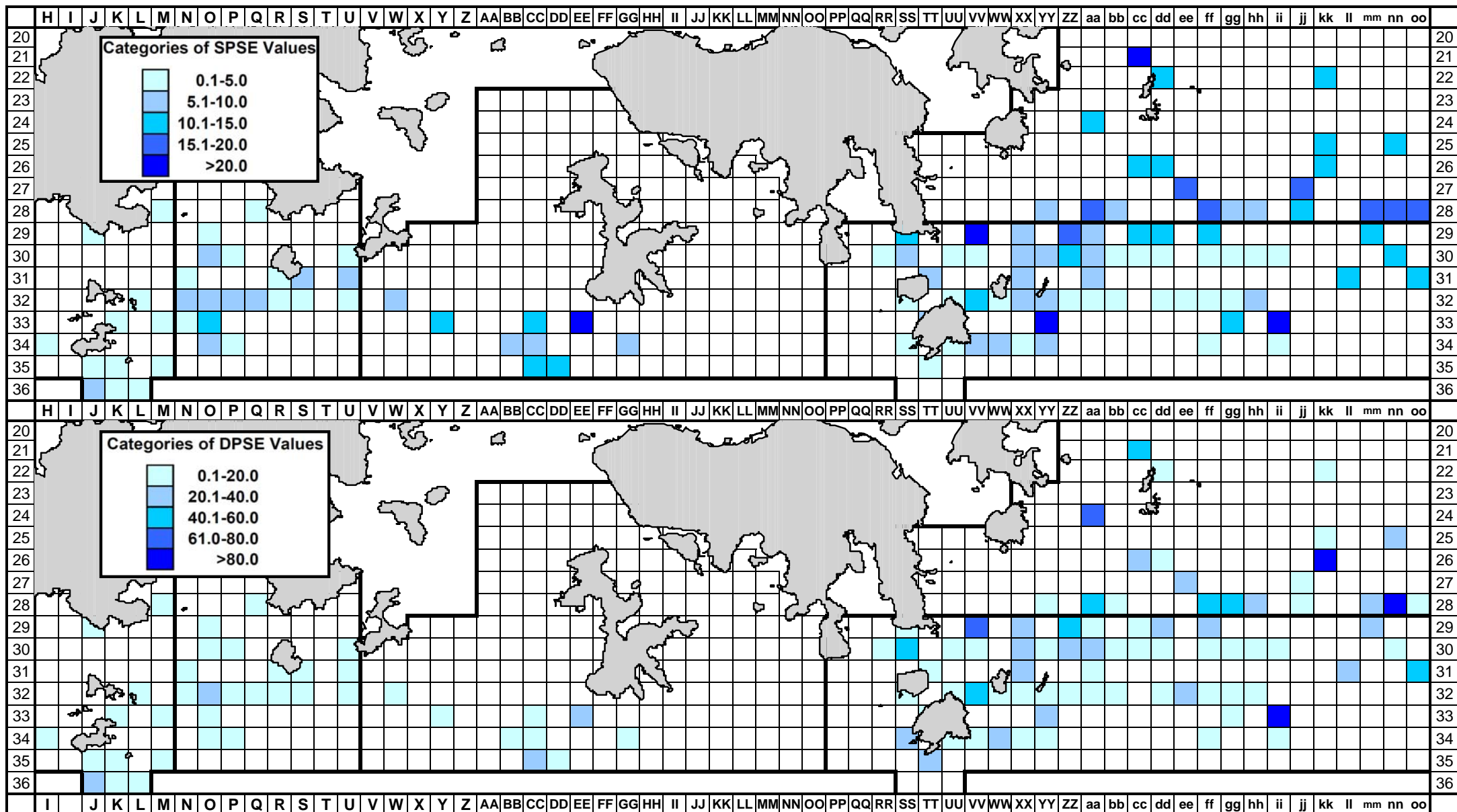


Figure 37. Density of finless porpoises with corrected survey effort per km<sup>2</sup> in southern waters of Hong Kong during wet season (June to November), using data collected during 2004-13 (SPSE = no. of on-effort porpoise sightings per 100 units of survey effort; DPSE = no. of porpoises per 100 units of survey effort)

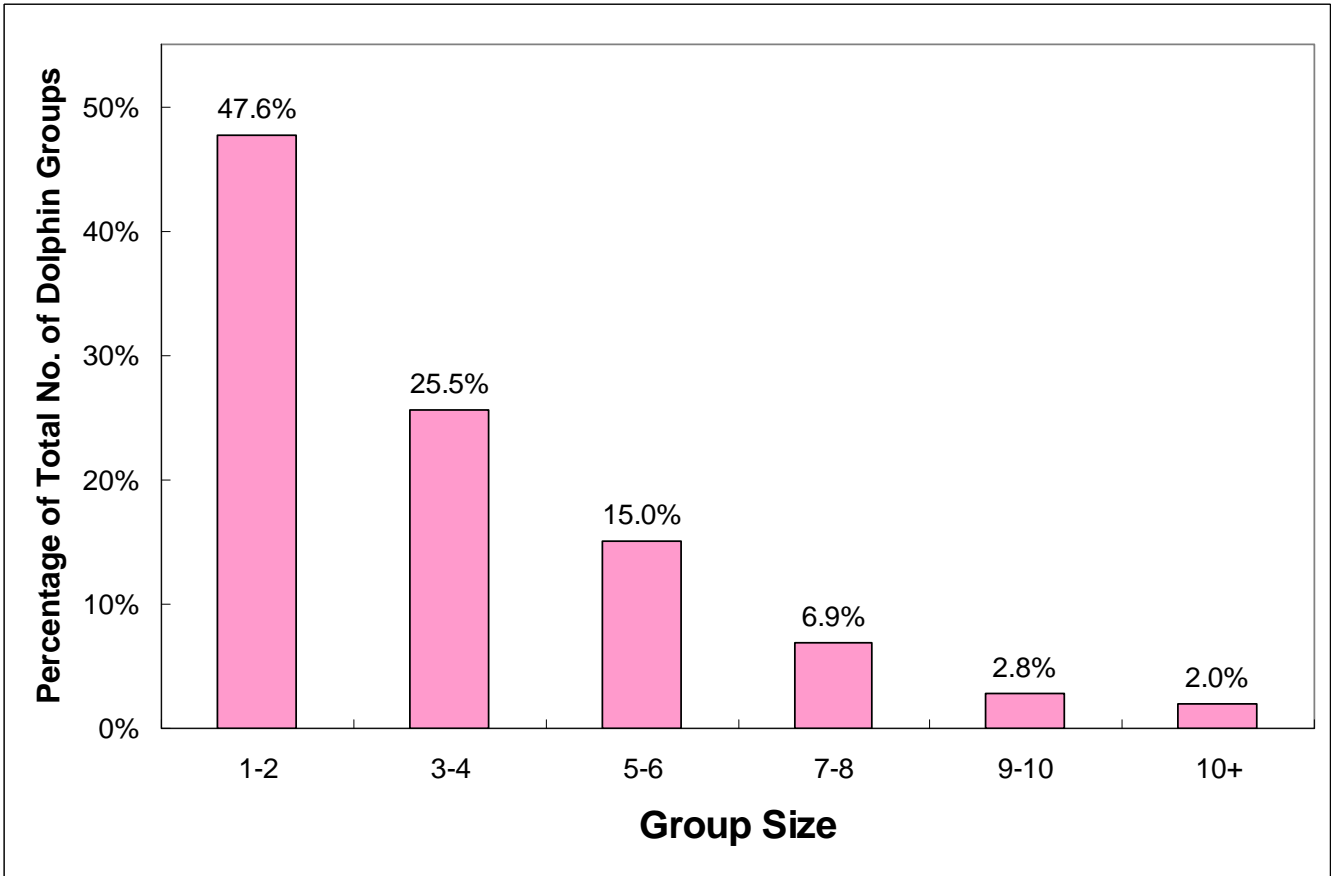


Figure 38. Percentages of different group sizes of Chinese white dolphins in Hong Kong during April 2013 to March 2014

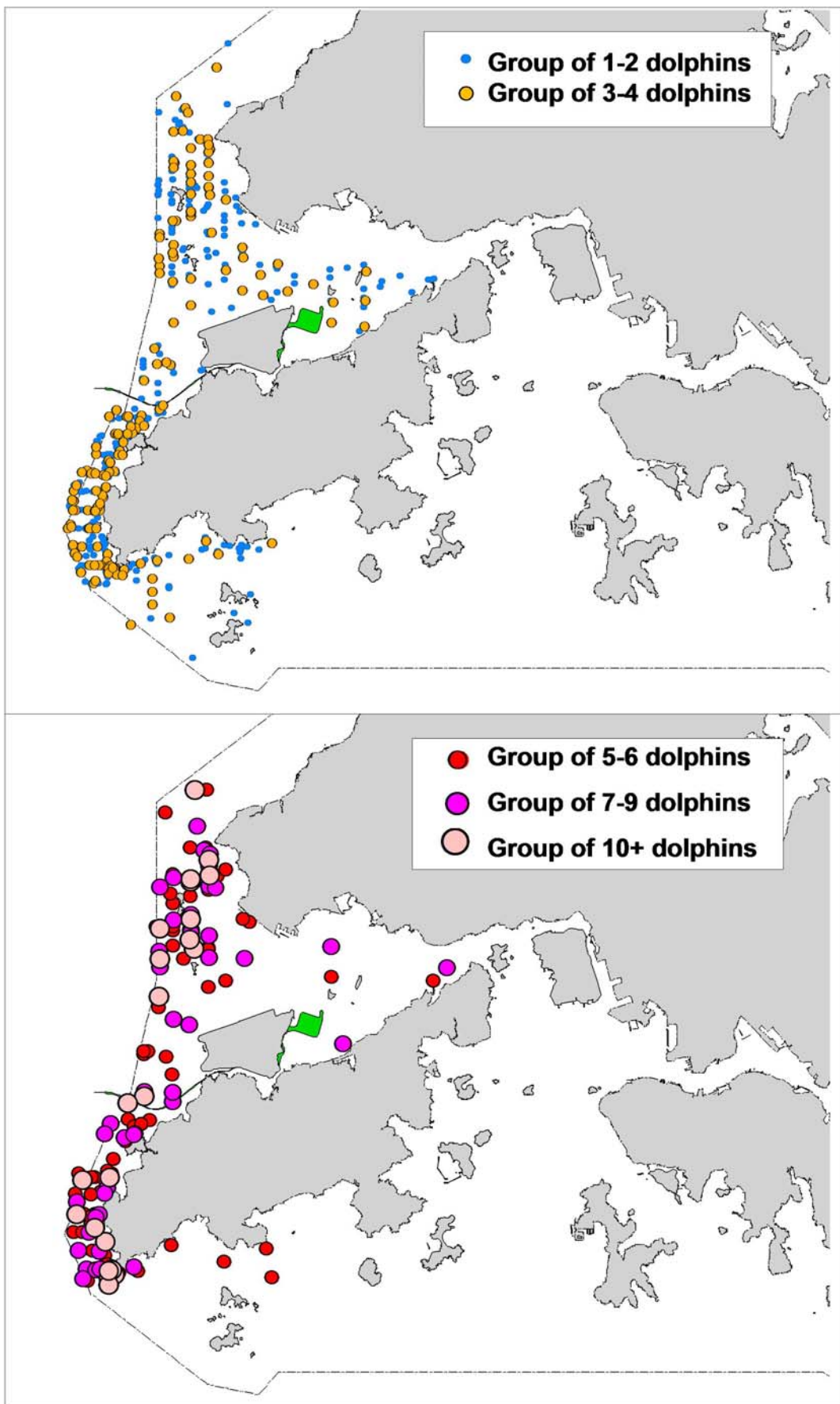


Figure 39. Distribution of Chinese white dolphins with different group sizes in 2013

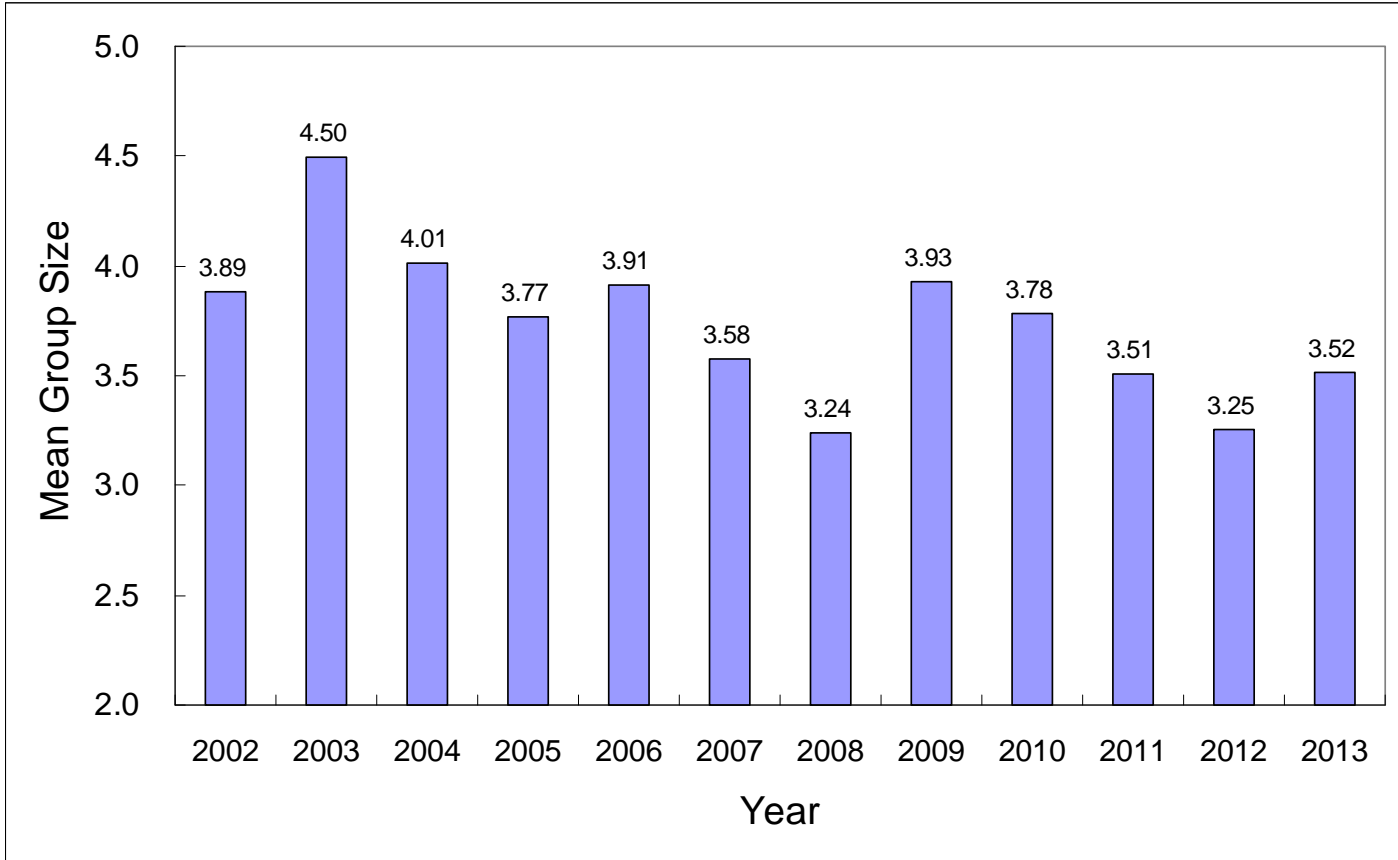


Figure 40. Temporal trend of mean dolphin group size in 2002-13



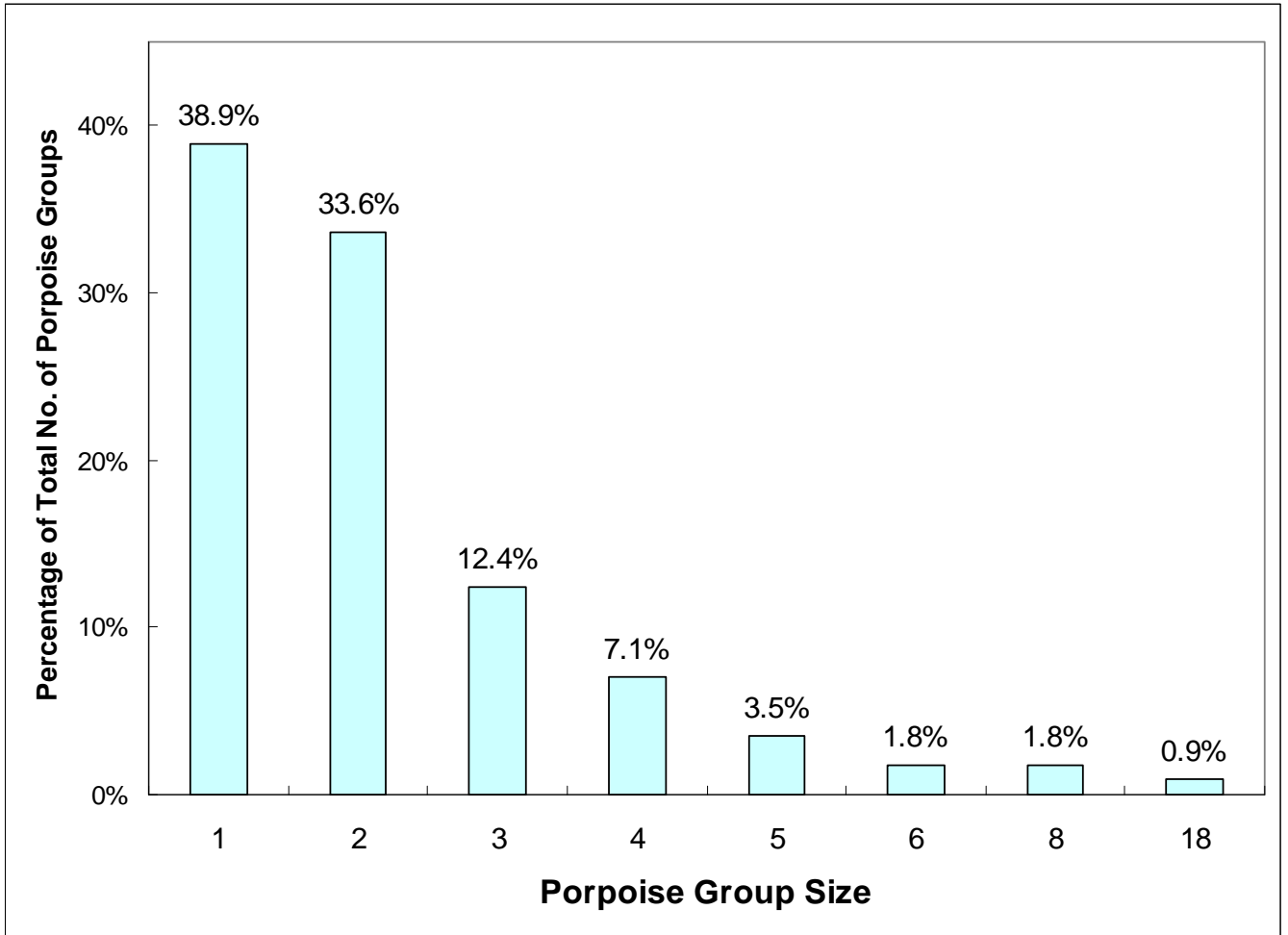


Figure 41. Percentages of different group sizes of finless porpoises in Hong Kong during April 2013 to March 2014

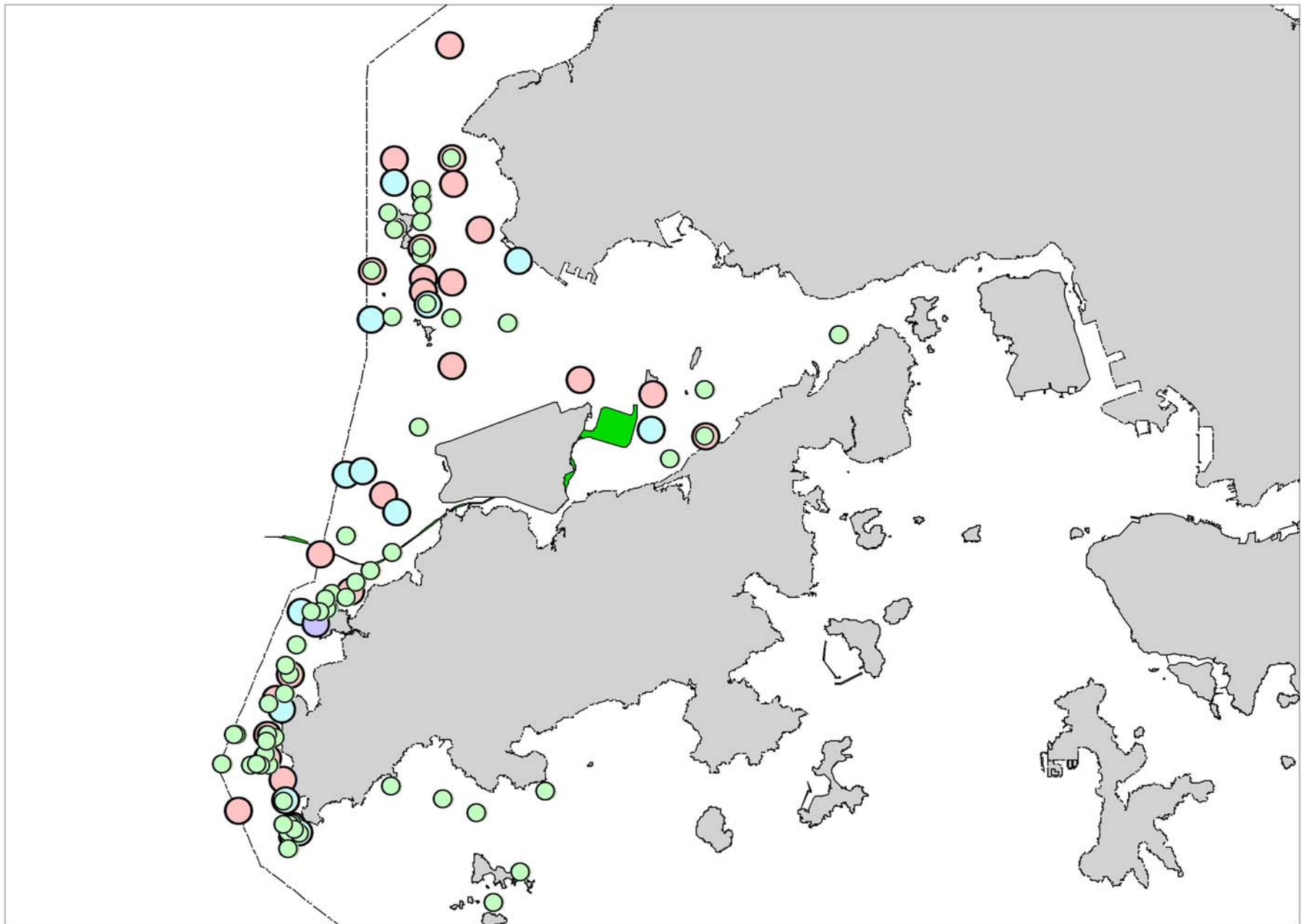


Figure 42. Distribution of Chinese white dolphins engaged in feeding (green dots), socializing (pink dots), traveling (blue dots) and milling (purple dots) activities in 2013

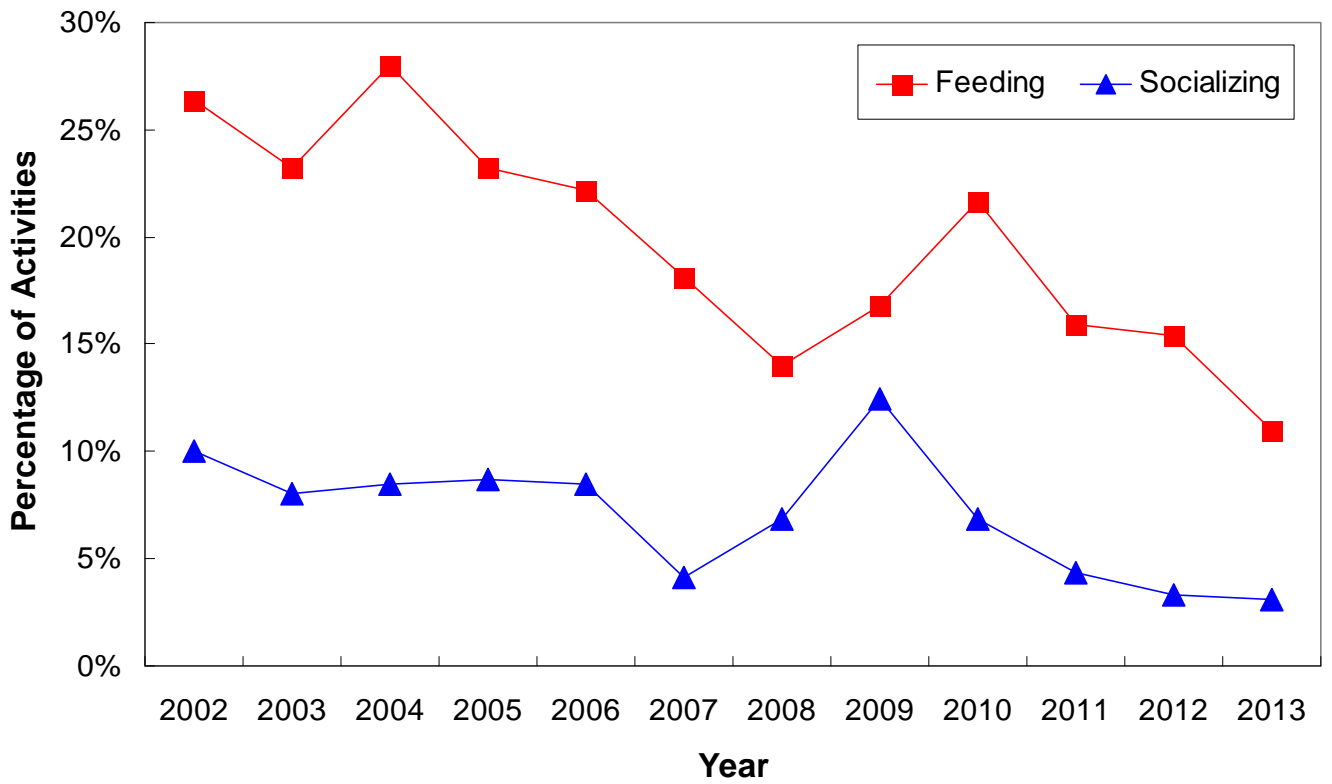


Figure 43. Percentages of feeding and socializing activities among all dolphin groups sighted in Hong Kong during 2002-13

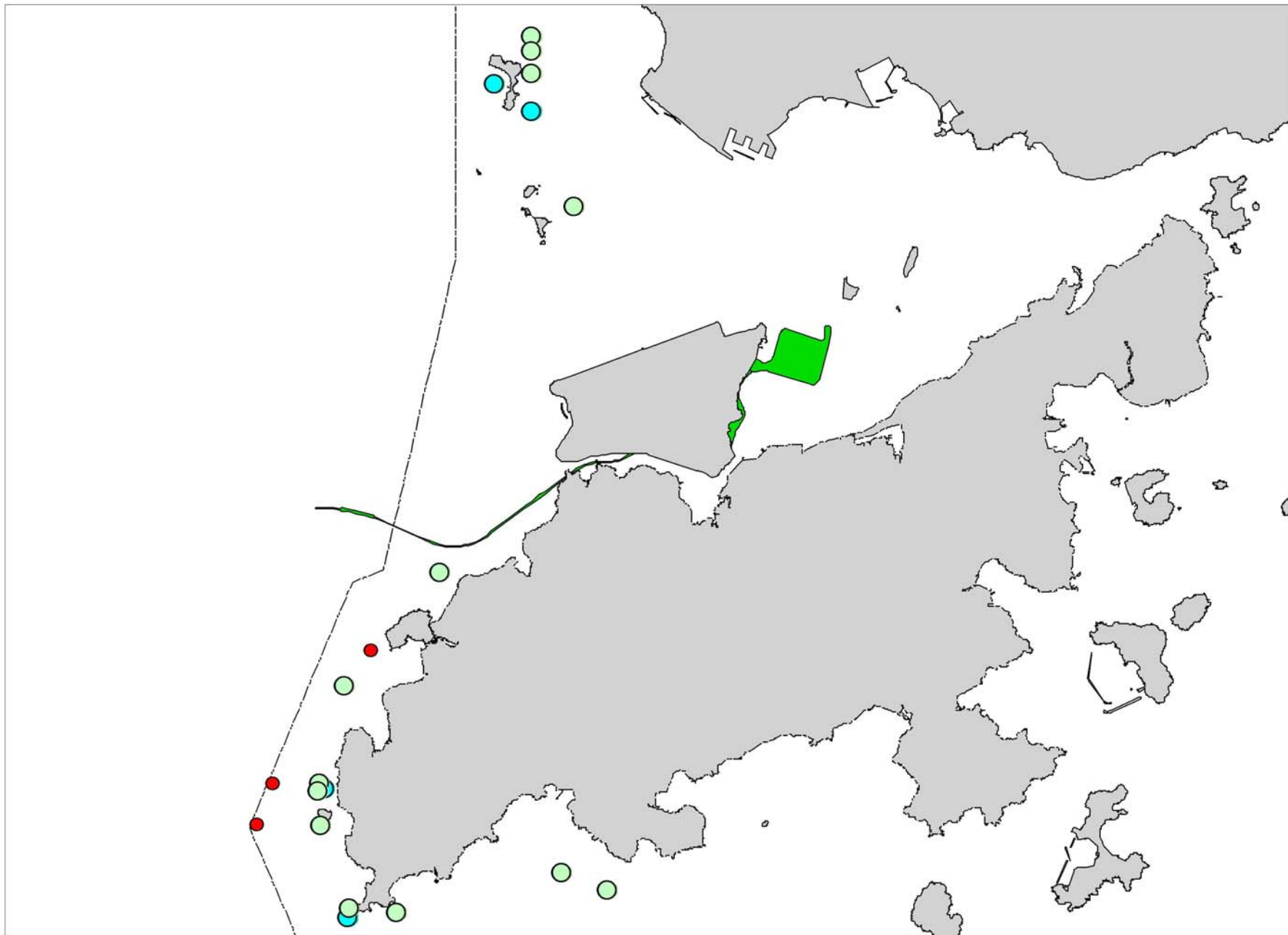


Figure 44. Distribution of dolphin sightings associated with fishing boats in 2013  
(green dots: with purse-seiners, blue dots: with gill-netters; red dots: with bottom trawlers)

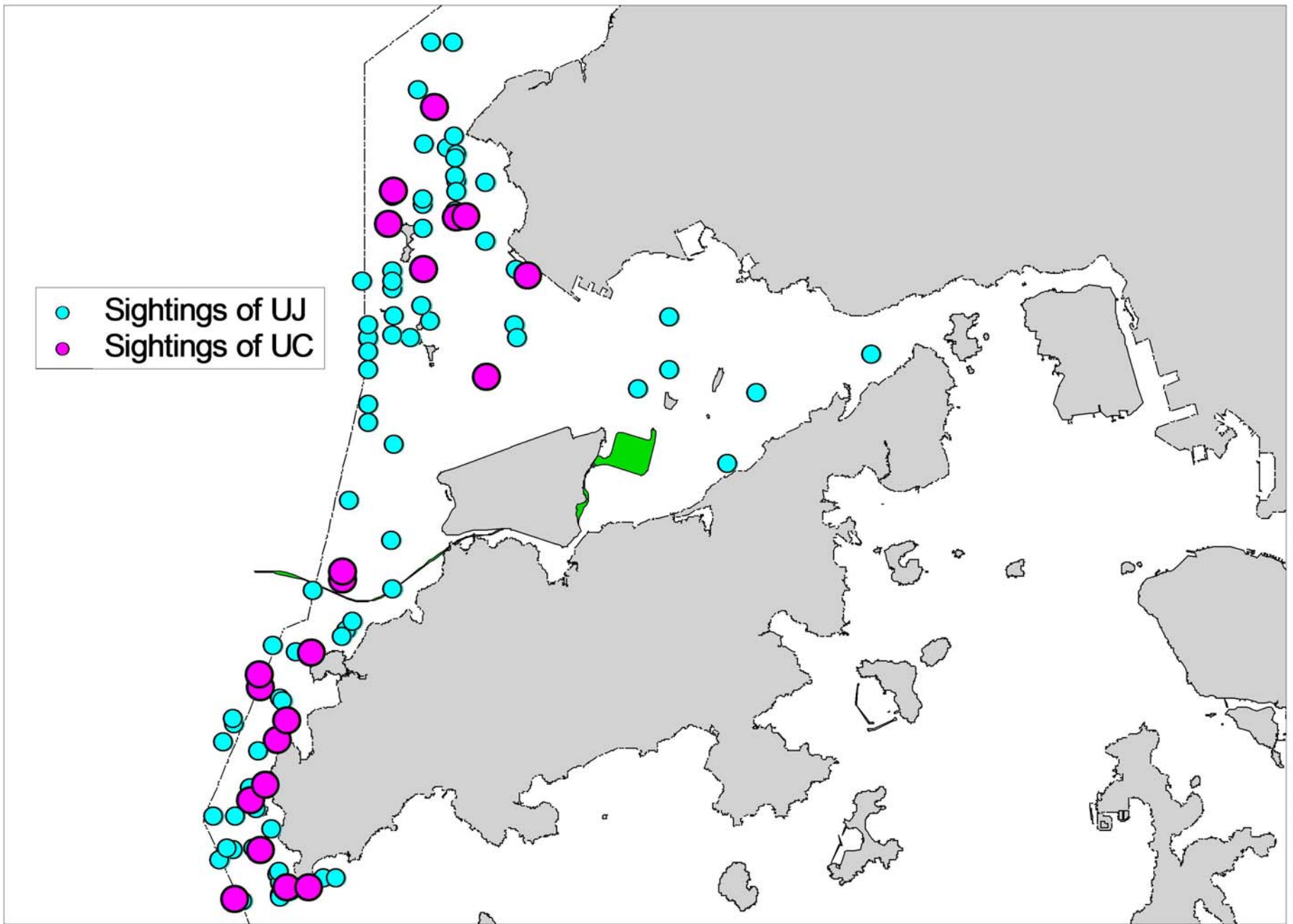


Figure 45. Distribution of Unspotted Calves (UC) & Unspotted Juveniles (UJ) during 2013 monitoring surveys

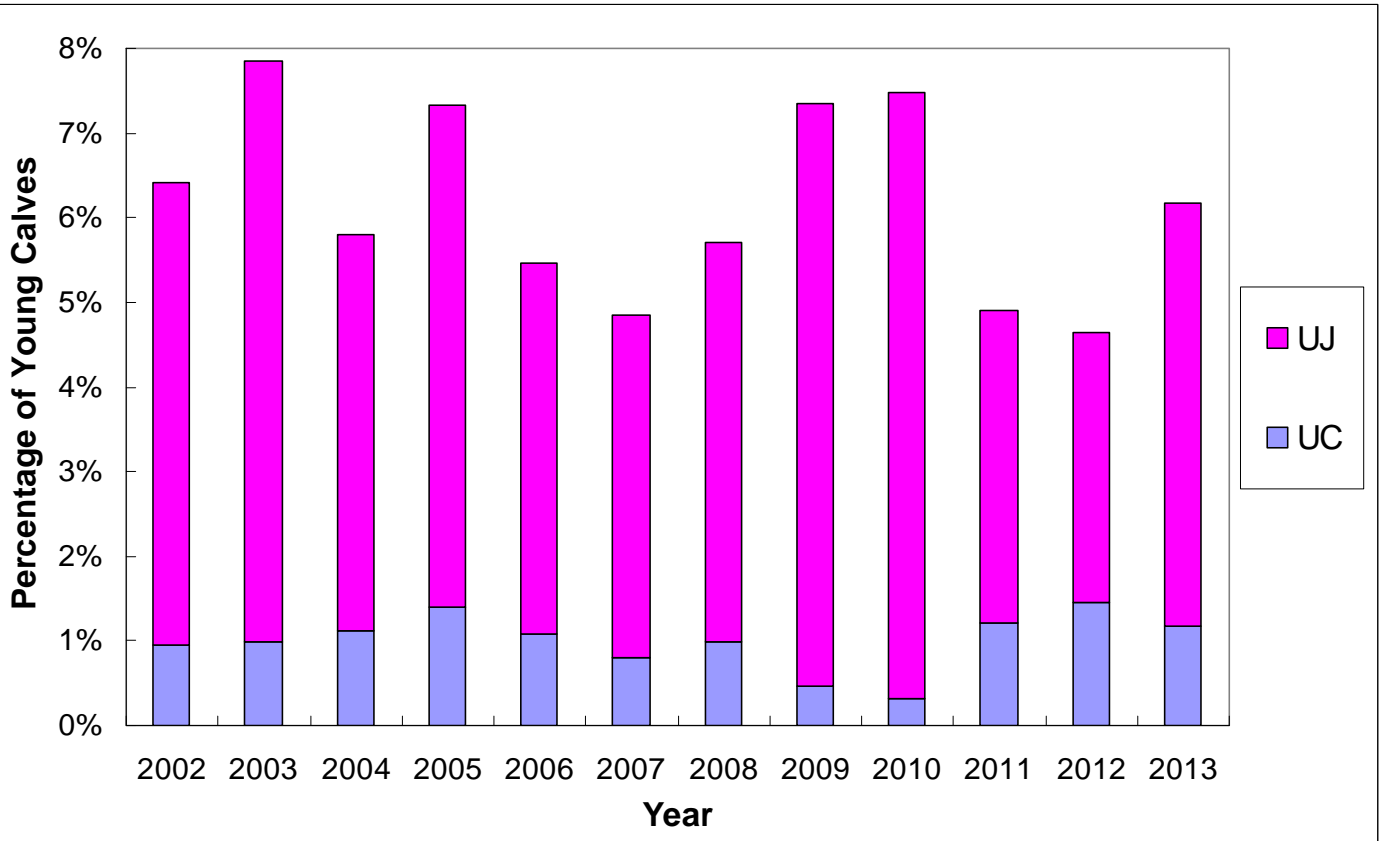


Figure 46. Percentages of young calves (i.e. unspotted calves (UC) and unspotted juveniles (UJ)) among all dolphin groups during 2002-13