

Multi-scale patterns of habitat use in a highly mobile reef fish, the white trevally *Pseudocaranx dentex*, and their implications for marine reserve design

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Appendix 1. Details of the acoustic receivers that integrated the acoustic monitoring network in the Faial Channel, and of the individual detections of trevally *Pseudocaranx dentex* tagged with long-lasting transmitters in those receivers

Table A1. Characteristics of the listening stations integrating the passive monitoring network

Stn	Location	Protection status	Habitat type	Maximum bottom depth (m)	Duty period of receivers	
					Start	End
1	Pasteleiro	None	Inshore mixed bottom	26	Jun 2004	Sep 2006
2	Almeida Point	Partial	Inshore rocky reef	40	Jun 2004	Sep 2006
3	Caldeirinhas	Full	Inshore rocky reef	25	Aug 2005	Sep 2006
6	Radares Point	Partial	Inshore rocky reef	20	Jul 2003	Sep 2006
7	Entre-Montes	Partial	Inshore mixed bottom	8	Jul 2003	Sep 2006
8	Breakwater	None	Inshore mixed bottom	10	Jul 2003	Sep 2006
9	Marca	None	Mixed bottom	45	Jul 2004	Mar 2006
10	South Reef (deep)	None	Offshore mixed bottom	92	Dec 2004	Sep 2006
11	South Reef (summit)	None	Offshore rocky reef	25	Jul 2003	Sep 2006
12	North Reef	None	Offshore rocky reef	38	Sep 2003	Sep 2006
13	Barca Reef (summit)	None	Offshore rocky reef	25	Jul 2003	Sep 2006
14	Barca Reef (deep)	None	Offshore mixed bottom	70	Dec 2004	Sep 2006
15	Ribeirinha Point	None	Inshore mixed bottom	39	Jun 2004	Sep 2006
16	North Beach	None	Inshore mixed bottom	22	Nov 2004	Aug 2005
17	Furna	None	Inshore sunken cave	20	Aug 2004	Feb 2005



Fig. A1. *Pseudocaranx dentex*. Daily presence of trevally tagged with long-term coded transmitters as monitored by acoustic receivers in the network. (A) detections of trevally originally tagged at the coastal stations of Riberinha Point (left) and Monte da Guia (right); (B) trevally tagged at the offshore reefs (Barca and South Reefs). These original sites (receivers) of capture and release are denoted by the small rectangles on the y-axis and corresponding filled circle detections. Black circles: inshore station; blue circles: offshore bottom; red circles: offshore reef summit. Large vertical rectangles enclose spawning seasons for the three consecutive years; Sstations 4 and 5 were de-activated prematurely

B

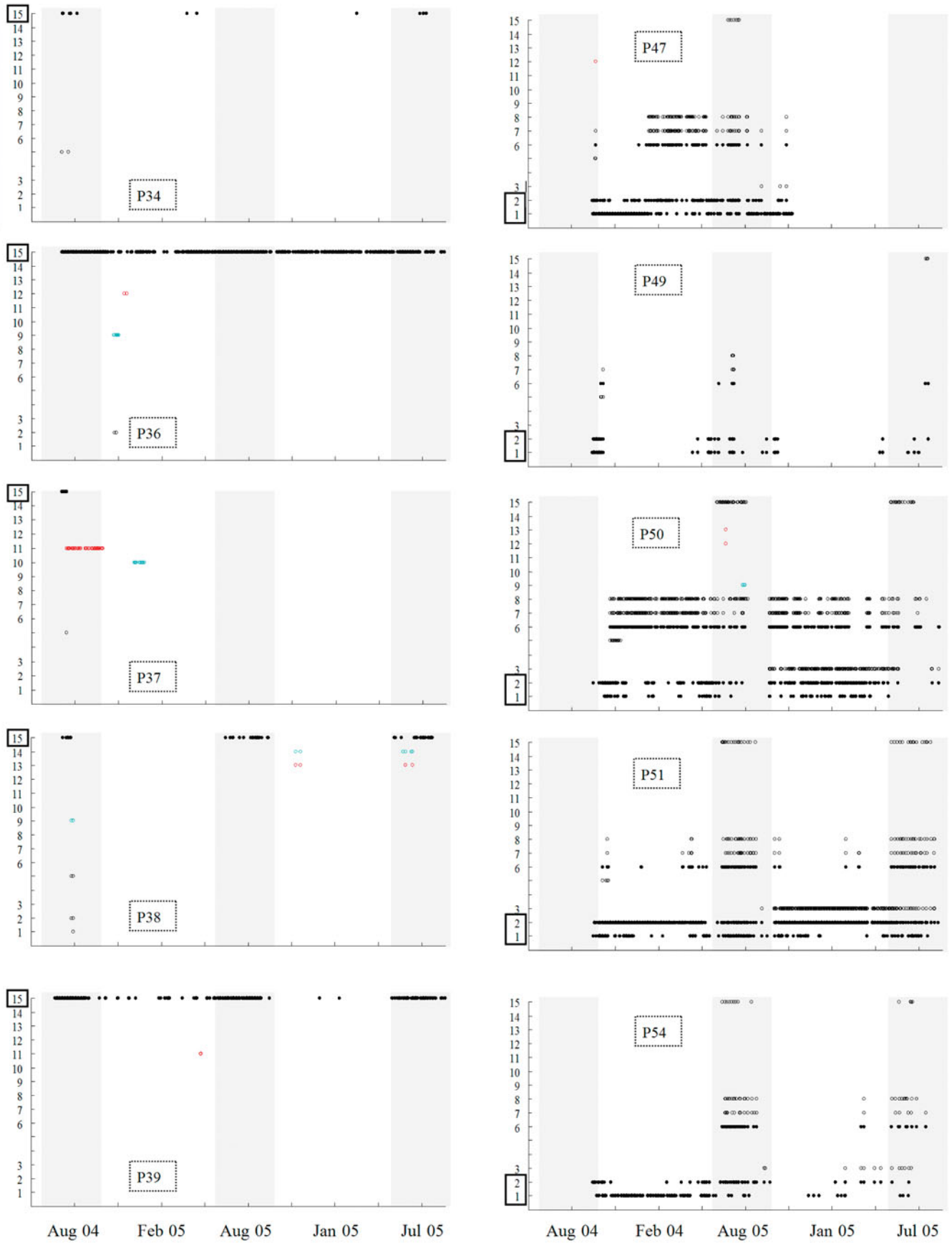


Fig. A1. continued