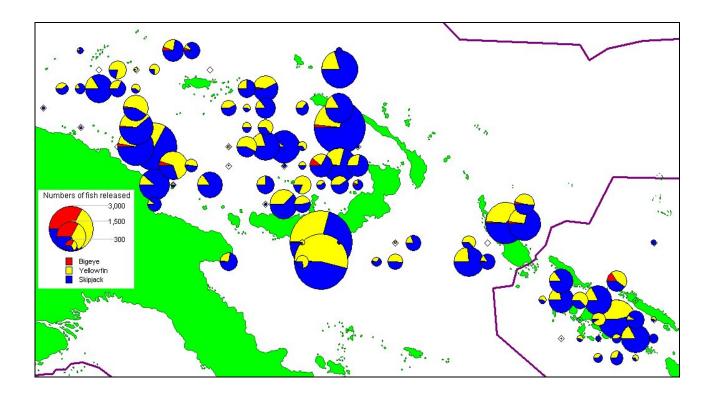
PACIFIC TUNA TAGGING PROGRAMME

MONTHLY TAGGING SUMMARY – FEBRUARY 2008



PROGRAMME UPDATE

The PNG Tagging Project, the fieldwork for which was completed in May 2007, was intended to represent Phase 1 of a new Pacific Tuna Tagging Programme (PTTP). A proposal for the PTTP was presented at the August meeting of the Scientific Committee of the Western and Central Pacific Fisheries Commission, and was enthusiastically supported by the scientific representatives of Commission members and cooperating non-members. Since then, a major funding commitment (NZD 5 million) to the PTTP was announced by the Hon. Helen Clark, Prime Minister of New Zealand at the recent Forum Leaders Meeting in Tonga. This commitment, along with other funding committed by the European Commission and Papua New Guinea National Fisheries Authority (PNG-NFA), means that approximately USD6.4 million of the USD10 million project budget has now been pledged.

With these developments, we will continue to provide monthly summaries of tagging activity under the banner of the PTTP.

SOLOMON ISLANDS CRUISE 2

The second tagging cruise in the exclusive economic zone of the Solomon Islands started on 21^{st} February 2008 and is experiencing great fishing success with more than 11,000 fish tagged in the first 10 days with a large percentage (73%) of yellowfin and bigeye tuna.

TAG RELEASES

Field work for Phase 1 (PNG) was completed in May 2007. A one month cruise was recently completed in the Solomon Islands (27 October-23 November), and the results are now revised as below in Table 1.

Table 1. Tag releases, August 2006 -November 2007.

A. PNG August 2006 – May 2007

	Skipjack	Yellowfin	Bigeye	Total
Conventional tag only	40338	20300	633	61271
Archival + conventional tag	2	214	40	256
Sonic + conventional tag	69	116	10	195
Archival + sonic + conventional tag	0	19	8	27
Total	40409	20649	691	61749

B. Solomon Islands October 2007 – November 2007

	Skipjack	Yellowfin	Bigeye	Total
Conventional tag only	7476	3560	132	11168
Archival + conventional tag	0	5	7	12
Sonic + conventional tag	0	0	0	0
Archival + sonic + conventional tag	0	0	0	0
Total	7476	3565	139	11180

C. Total PTTP

	Skipjack	Yellowfin	Bigeye	Total
Conventional tag only	47814	23860	765	72439
Archival + conventional tag	2	219	47	268
Sonic + conventional tag	69	116	10	195
Archival + sonic + conventional tag	0	19	8	27
Total	47885	24214	830	72929

TAG RECOVERIES

February 2008 was a quiet month for tag returns (Figure 1), with 297 conventional tags, 2 archival tags and 1 sonic. This brings the total number of tag returns to **9,467**, with an overall recovery rate of **13%** (Table 2) for conventional tags, 13.2% for archival tags (Table 3) and 9.9% for sonic tags (Table 4).

Table 2. Conventional tag recoveries, as at 29 February 2008.

	Skipjack	Yellowfin	Bigeye	Total
February 2008 recoveries	204	93	0	297
Total to 29 February 2008	5907 (12.3%)	3331 (13.8%)	229 (27.7%)	9467 (13%)

Note : numbers include returns that were double tagged with conventional and electronic tags.

Table 3. Archival tag recoveries, as at 29 February 2008.

	Skipjack	Yellowfin	Bigeye	Total
February 2008 recoveries	-	2	-	0
Total to 29 February 2008	1 (50%)	27 (11.3%)	11 (20%)	39 (13.2%)

Table 4. Sonic tag recoveries, as at 29 February 2008.

	Skipjack	Yellowfin	Bigeye	Total
February 2008 recoveries	0	1	0	1
Total to 29 February 2008	3 (4.3%)	12 (8.9%)	7 (38.9%)	22 (9.9%)

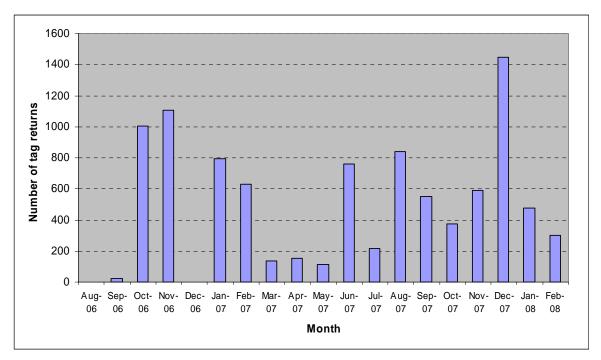


Figure 1. Number of tag returns by month.

The February 2008 recoveries were dominated by the Solomon Islands purse-seiners (NFD) and by the Thailand and Philippines based canneries.

Tag return source	February 2008 returns	Total returns
American Samoa	0	13
China	0	1
FSM	0	1
IATTC	0	103
Indonesia	0	69
IOTC	0	2
Japan	44	271
Korea	0	115
Other	0	6
Philippines (direct)	57	322
Philippines (Frabelle)	0	162
PNG (Frabelle)	0	590
PNG (NFA)	0	87
PNG (other)	1	32
PNG (RD)	0	5022
PNG (SSTC)	0	145
Solomon Islands (Soltai)	0	128
Solomon Islands (Other)	7	27
Solomon Islands (Global Investment)	16	674
Solomon Islands (NFD)	86	1011
Tagging vessel	0	23
Thailand	86	663
TOTAL	297	9467

Table 5. Number of tag recoveries by source (location found).

Overall, tag recoveries continue to be dominated by PNG flagged or affiliated vessels fishing primarily in the Bismarck Sea, where many of the tagged tuna were released (Table 6). However, significant recaptures of tagged tuna continue to be made by all of the major purse seine fleets (Japan, Korea, Taiwan, Vanuatu, China) and the Solomon Islands returns are increasing.

Flag	February 2008 returns	Total returns
Non identified	1	407
China	4	31
FSM	1	9
Indonesia	0	71
Japan	45	287
Kiribati	0	10
Korea	11	152
Marshall Islands	0	10
New Zealand	0	2
Panama	0	8
PNG	31	5510
Philippines	54	896
Solomon Islands	92	1165
Seychelles	0	1
Taiwan	39	268
United States	0	5
Vanuatu	19	635
TOTAL	297	9467

Table 6. Number of tag recoveries by vessel flag.

TAGGED FISH MOVEMENTS

Updated graphics showing the movements of tagged tuna are shown below in figures 2-4. Skipjack continue to show the greatest mobility, followed by yellowfin and bigeye tuna.

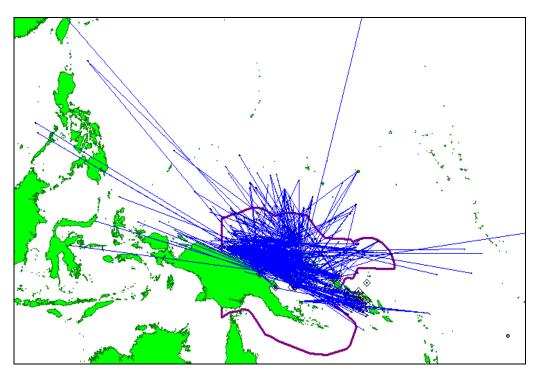


Figure 2. Displacements of tagged SKIPJACK>300 nmi.

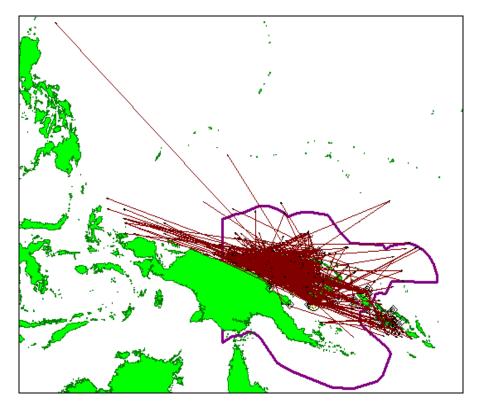


Figure 3. Displacements of tagged YELLOWFIN>200 nmi.

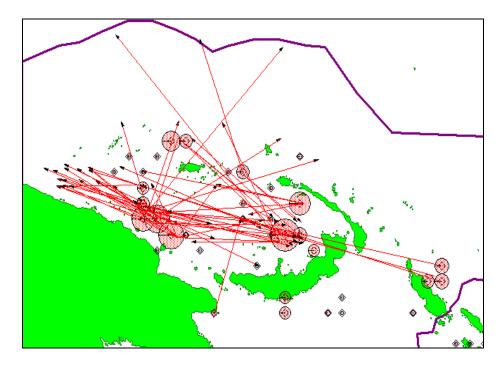


Figure 4. Displacements of tagged BIGEYE>100 nmi.