



TAGGING NEWS

NEWS FROM THE ORI TAGGING PROJECT | NUMBER 24

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EDITED BY

STUART DUNLOP

BRUCE MANN

BERNADINE EVERETT

CONTACT DETAILS

OCEANOGRAPHIC RESEARCH
INSTITUTE
PO Box 736
DURBAN
4000
SOUTH AFRICA
CELL: +27 079 529 0711
TEL: +27 31 328 8222
FAX: +27 31 328 8188
EMAIL: ORITAG@ORI.ORG.ZA
WEB: WWW.ORITAG.ORG.ZA

Welcome to the 24th issue of the Tagging News! 2010 has proved to be yet another fantastic year for the Tagging Project and we continue to have many new anglers joining the project. This is particularly important as between 2000 and 2005 there was a marked decrease in the number of new taggers and the number of fish being tagged. This increase bodes well for the future of fish stocks around South Africa and hopefully this greater interest in fish conservation can be expanded to the greater angling community. In the last few years many anglers have become more aware of the depleting fish stocks around them and are thinking carefully about which fish they decide to keep. A prime example of this is the increased tag and release of a number of threatened linefish species such as white steenbras, red steenbras, dusky kob and garrick/leervis.

During 2010, 152 new members joined the project, bringing the total number of participants to 4 972 (see page 4). In total 10 323 fish were tagged (only 364 less than 2009) and a remarkable 894 (8.8%) recaptures (174 more than 2009) were reported. This is the highest number of fish recaptured in one year in the project's history and can partly be attributed to the introduction of the dedicated tag cell phone number (079 529 0711) and the easy to remember email address (oritag@ori.org.za).

On this note, there are some exciting new developments in the Tagging Project which have or will come into effect in the coming months. The first major change is our new Tagging Officer Stuart Dunlop who replaced Elinor Bullen in January 2011 (see article about Stuart on Page 2). At the beginning of 2011 a broadcast email was sent out to all our tagging members asking them to send their tag information back to ORI via email rather than by post. Two Excel spreadsheets were designed and these were sent out with the email. If you have not already started using the spreadsheets, please email us and we will forward them to you. It is important to still keep the white tag cards somewhere safe with the original information, as they can be referred back to in case there is a mistake (please don't send us these cards if you have already sent the data by email). The point of the email system is to improve efficiency and decrease the number of tag cards/returns that get lost in the post, as well as decreasing our postage bill. Preliminary indications are that this system has been welcomed by our members. In future the dedicated cell phone number and email address will be printed directly onto all new ORI tags. This information will augment the postal address on the tags and act as an additional means to report important recapture information. This will hopefully increase our reporting rate, especially for recaptures made outside South African waters.

Another important development to the Tagging Project will be a change to a new type of billfish tag. Previously we have used Halprint steel-head SSD tags (i.e. B-tags) for our billfish but recent research and our low recapture rates began to question its

success. We therefore looked into various tag types available for billfish and after numerous questions and discussions with various experts we came to a decision to change over to a new tag type known as a PIMA-W tag. This tag type has been shown to have a higher recapture rate for billfish (i.e. better tag retention time) and we hope that the introduction of this new type of tag will increase our recapture rates, which is currently very low at only 0.7%. We request that our billfish anglers either use up their existing supply of B-tags on billfish or they may bring them in to us and we will exchange them for the new tags. Please be aware that the new PIMA-W tags require a different type of applicator so again if you bring in your old applicator we will exchange it for a new one. We will continue to use the old B-tags on large sharks where they have been shown to be very successful (see article on raggie recaptures by Sabine Wintner). If you have any queries in this regard please don't hesitate to contact the Tagging Officer.

Our website continues to allow our members to keep track of their tagging performance and has proved to be a very useful method of checking and validating data entered onto the system. For those of you who have not already seen your tagging profile, please go to www.oritag.org.za (to login you need to enter your tagging reference number as a six digit number, e.g. **TA4218** and repeat this number as your password).

We sincerely hope that you enjoy this issue of the Tagging News. An electronic copy of the Tagging News is now available on our website (www.oritag.org.za). We would like to say a big thank you to all of our tagging members for their ongoing support as well as the numerous anglers who have assisted us in obtaining tag recaptures. The long-term success of this project is entirely due to your contributions towards the wise use and conservation of our marine linefish species. We wish you tight lines and happy tagging – let's make it a record year!



A scotsman being released after tagging
Photograph by Dr Paul Cowley

As most of you already know, Elinor Bullen retired last year after 26 years of service to ORI and the Tagging Project. Elinor put a large chunk of her working life into this project and its long-term success is a direct result of her dedication to the project, which she ran like a well oiled machine. We wish her well in her retirement and hope to see some nice tag returns from her now that she has time to go fishing again!

Although Elinor closed her door at ORI for the last time, a new one has opened for me. As a young boy I always had a very keen interest in the ocean and having grown up on the KZN south coast, I was an avid angler by the age of five. As the years went by my angling skills improved and as a teenager I soon joined a social angling club where I learnt a great deal. During my high school years I had a dream of becoming a marine biologist, or something similar, but the chance of this becoming a reality seemed very slim as there were not many jobs in the field. Nevertheless, I continued my studies after high school in Ecological Science at the University of KwaZulu-Natal (UKZN) based in Pietermaritzburg. As my second passion was anything to do with wildlife, including activities such as hiking and birding, I really excelled throughout my undergraduate university career and continued this into honours. After four years of studying and with an Honours Bachelor of Science under my belt, I began to feel the itch to change my career path. I knew I wanted to continue my studies, but I was unsure of what direction to take. Through a friend at UKZN I found an advertisement for an MSc at ORI under Bruce Mann doing a "Regional assessment of the shore-based and offshore boat-based linefisheries of KwaZulu-Natal". This was right up my alley and fortunately I was soon accepted for a studentship through ORI. The position for the new Tagging Officer was advertised in mid-2010 while I was writing up my MSc. I submitted my CV along with numerous other applicants. Fortunately, Bruce informed me that I had got the position and I began training with Elinor in October in preparation

to take over her position on a full time basis in January 2011. I now find myself six months down the line as the new Tagging Officer. I have learnt a great deal at ORI, especially from Bruce and hope to continue this learning experience into the future. I hope to fill the position as best I can and bring a new angle to the Tagging Project - watch this space!



YELLOWBELLY ROCKCOD
Epinephelus marginatus

1 424 TAGGED
262 RECAPTURED = 17.4% RECAPTURE RATE
LONGEST DISTANCE TRAVELLED 355 KM
MAXIMUM DAYS FREE 2 220 (6.1 YEARS)

YET ANOTHER EXCITING RECAPTURE FROM THE PONDOLAND MARINE PROTECTED AREA (MPA) WAS REPORTED TO US IN 2010. THIS MPA IS PRODUCING SOME FANTASTIC MOVEMENT BEHAVIOUR AND GROWTH RATE INFORMATION OF IMPORTANT REEF FISH SPECIES. DURING OCTOBER 2007, ORI SCIENTIST BRUCE MANN TAGGED AND RELEASED A YELLOWBELLY ROCKCOD OF 550 MM OFF MKAMBATI. THIS USUALLY RESIDENT REEF FISH WAS RECAUGHT 924 DAYS LATER, AN ASTONISHING 355 KM AWAY AT RICHARDS BAY BY COMMERCIAL LINEFISHERMAN LEN HARVEY. ALTHOUGH NOT MEASURED, THIS FISH WEIGHED 4 KG.

GARRICK / LEERVIS
Lichia amia

9 215 TAGGED
640 RECAPTURED = 8.8% RECAPTURE RATE
LONGEST DISTANCE TRAVELLED 1 670 KM
MAXIMUM DAYS FREE 3 208 (8.8 YEARS)

OVER THE YEARS, GARRICK HAVE BECOME ONE OF OUR MOST POPULAR TAGGING SPECIES AND COMPRISE ABOUT 4% OF THE TOTAL NUMBER OF FISH TAGGED. WHILST FISHING IN THE KNYSNA LAGOON DURING AUGUST 2009, BRADLEY SPARG TAGGED AND RELEASED A GARRICK OF 650 MM. SOME 347 DAYS LATER THIS SAME FISH WAS RECAUGHT FROM THE SHORE 1 269 KM AWAY AT ST LUCIA ON THE KZN NORTH COAST. AT THE TIME OF RECAPTURE THIS FISH WEIGHED 7 KG. THIS RECAPTURE YET AGAIN SHOWS THE HIGHLY MIGRATORY BEHAVIOUR OF LARGER INDIVIDUALS OF THIS SPECIES WHICH MIGRATE INTO KZN WATERS DURING WINTER TO SPAWN.

**SPECIAL
THANKS**

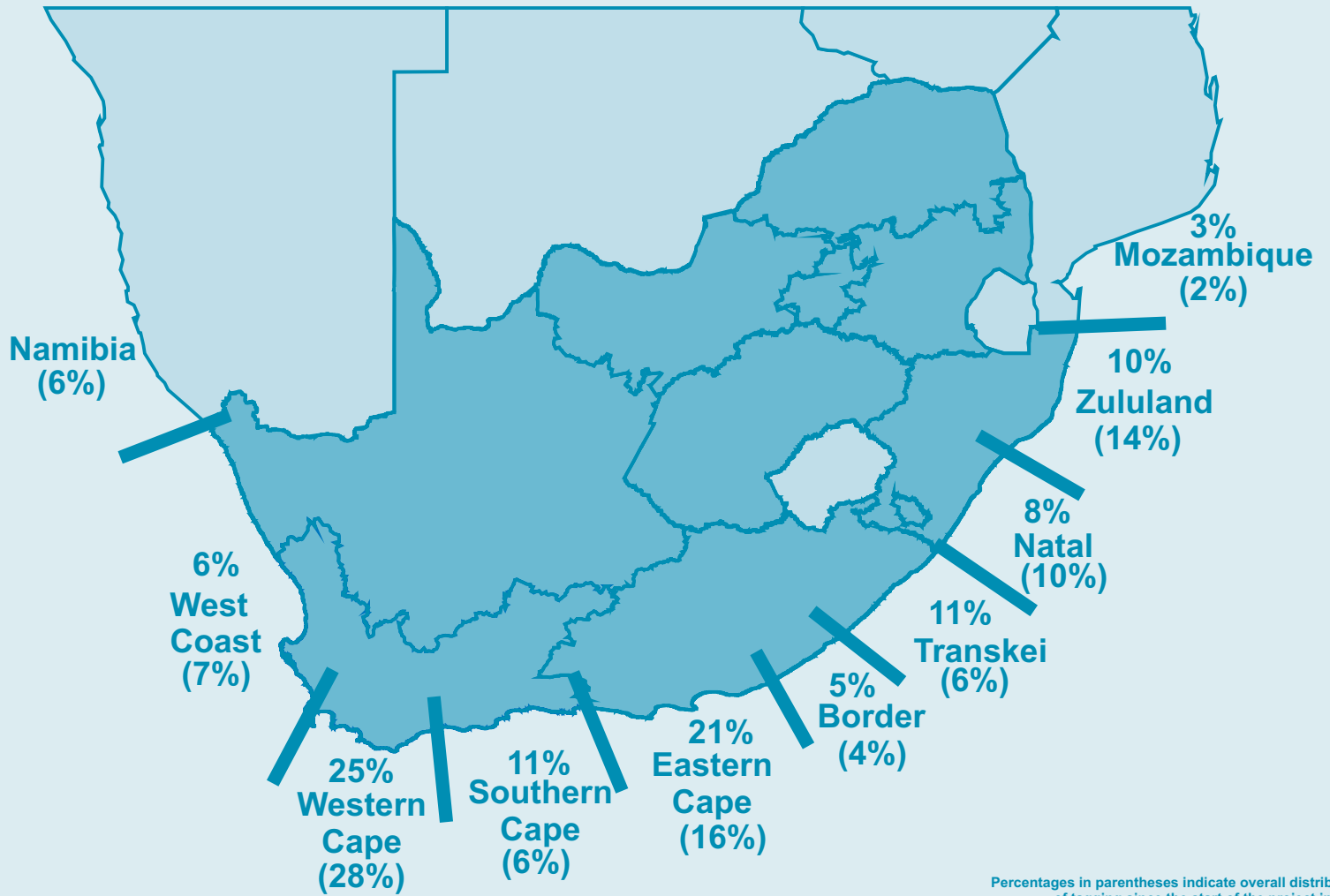
Unfortunately, in June 2009 the administrative assistance received from WWF-SA and the funding received from the Tony and Lisette Lewis Foundation came to an end. The ORI Tagging Project has subsequently been funded internally by SAAMBR. For this reason we would like to express our sincere gratitude for the financial support received from SAAMBR for the continuation of this valuable project.

The South African Deep Sea Angling Association (SADSAA) and the Roger Stevens Trust are thanked for their generous donations towards the making of the Instructional Tagging DVD.

We would like to thank all our active tagging members for their ongoing contributions towards linefish research and conservation. In particular we would like thank the following taggers for monetary donations in 2010: Dawid van der Merwe, Garth McGee and Grant Estman.

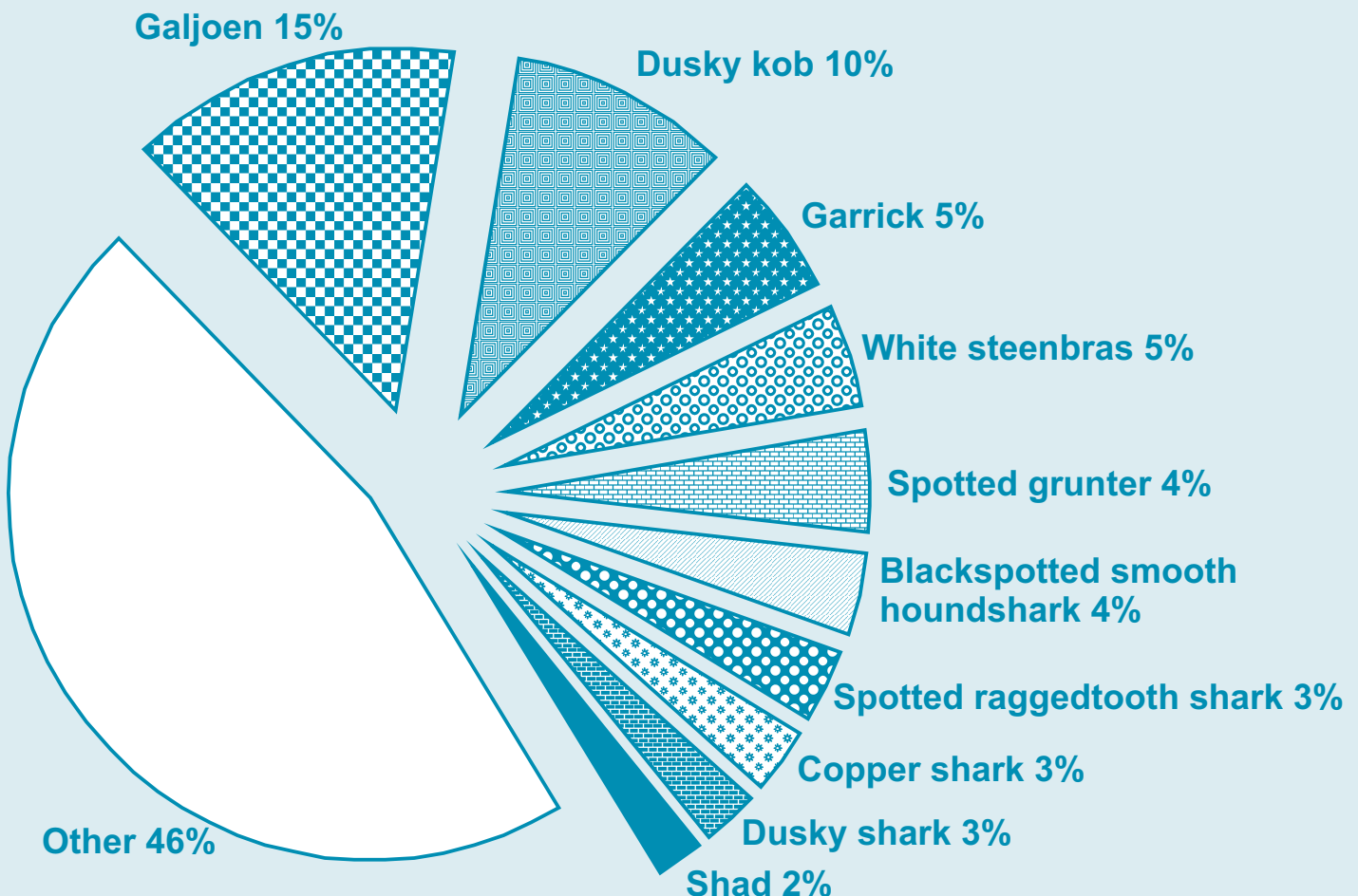
David Hall (Hallprint Australia) is thanked for his excellent service and ongoing supply of quality tags and applicators and Roelf Venter for his assistance in fitting handles to the tag applicators.

PERCENTAGE FISH TAGGED ALONG THE SOUTHERN AFRICAN COAST IN 2010

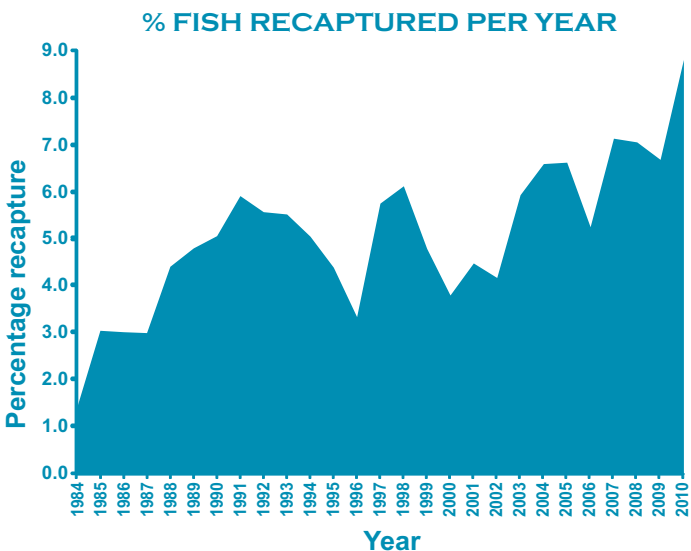
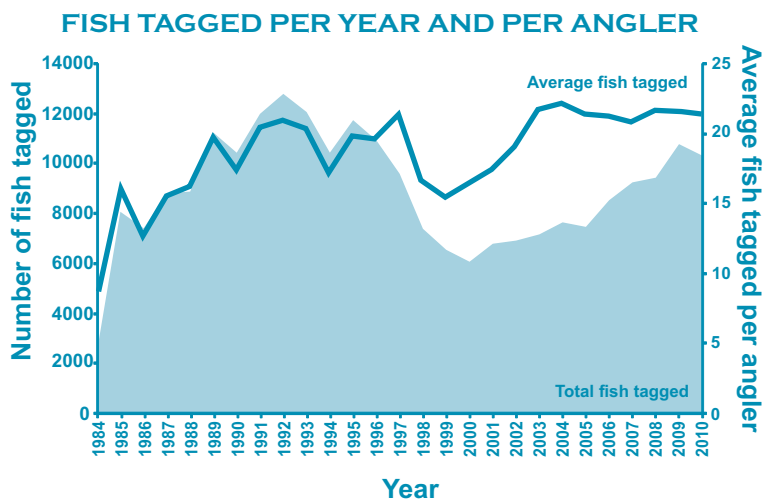


Percentages in parentheses indicate overall distribution of tagging since the start of the project in 1984

TOP 10 SPECIES TAGGED IN 2010



Year	New members	Active members	Fish tagged	Species tagged	Recapture %	Maximum years free	Maximum Km moved	Annual membership
1984	283	286	2553	104	1.4	0.63	723	1000
1985	441	502	8088	156	3.05	1.06	804	1500
1986	304	586	7434	170	3.02	2.81	1227	2000
1987	271	569	8823	182	3	2.78	1374	2500
1988	218	547	8894	176	4.41	4.09	1443	3000
1989	232	569	11237	194	4.8	4.04	1016	3500
1990	289	597	10437	164	5.06	4.04	1892	4000
1991	208	586	11982	187	5.91	6.26	1625	4500
1992	213	611	12777	191	5.57	6.19	1998	5000
1993	299	591	12056	175	5.52	7.46	1606	4500
1994	242	604	10442	181	5.05	5.98	1670	4000
1995	249	593	11733	171	4.39	7.6	1676	3500
1996	229	558	10930	175	3.34	7.83	1554	3000
1997	141	449	9600	174	5.75	11	1897	2500
1998	127	444	7412	152	6.12	8.42	1820	2000
1999	123	424	6575	158	4.79	11.97	1186	1500
2000	68	371	6101	148	3.8	10.58	1679	1000
2001	65	391	6817	144	4.48	10.9	1273	1000
2002	54	363	6944	160	4.17	12.83	1426	1000
2003	55	331	7190	150	5.93	8.1	1751	1000
2004	63	346	7668	154	6.59	9.82	1319	1000
2005	60	351	7487	166	6.62	10.79	1577	1000
2006	138	403	8550	170	5.25	10.89	1552	1000
2007	169	445	9259	178	7.13	9.02	1405	1000
2008	120	436	9444	165	7.05	15.03	1495	1000
2009	159	500	10779	177	7%	14.02	2966	1000
2010	152	483	10323	170	8.8	20.7	1843	1000
OVERALL	4972	3367	243476	366	5.13%	20.7	2966	



RED ROMAN

Chrysolephus laticeps

3 549 TAGGED
261 RECAPTURED = 6.6% RECAPTURE RATE
LONGEST DISTANCE TRAVELLED 294 KM
MAXIMUM DAYS FREE 3 549 (9.7 YEARS)

A LARGE RED ROMAN WAS TAGGED AND RELEASED BY JACQUES DE LA HARPE ON 11 JULY 2009 FROM THE SHORE AT OUBOSSTRAND JUST NORTH OF THE TSITSIKAMMA NATIONAL PARK. ONLY 398 DAYS LATER THIS FISH WAS RECAPTURED OFFSHORE 294 KM AWAY AT KENTON-ON-SEA AT A DEPTH OF 35 M. IN ITS TIME AT LIBERTY IT HAD GROWN ONLY 15 MM. THIS RECAPTURE SHOWS THAT EVEN HIGHLY RESIDENT REEF FISH WILL SOMETIMES UNDERTAKE SUBSTANTIAL MOVEMENTS AND MOVE FROM SHALLOW WATERS INTO DEEPER WATERS.

DUSKY SHARK

Carcharhinus obscurus

10 957 TAGGED
703 RECAPTURED = 6.4% RECAPTURE RATE
LONGEST DISTANCE TRAVELLED 1 374 KM
MAXIMUM DAYS FREE 2 773 (7.6 YEARS)

WHILST FISHING AT SEA PARK JUST NORTH OF PORT SHEPSTONE IN JULY 2010, LAWRENCE SMITH TAGGED AND RELEASED A JUVENILE DUSKY SHARK WITH A PRECAUDAL LENGTH OF 740 MM. ONLY 147 DAYS LATER THIS SHARK WAS RECAUGHT BY REINER VON DER MARWITZ AT MARINE DRIVE (JUST SOUTH OF CAPE RECIFE) AN ASTONISHING 670 KM AWAY. THIS AMOUNTS TO APPROXIMATELY 4.5 KM PER DAY. THIS REALLY WAS A SHARK ON A MISSION!

Member Name	Facet	Province	2010	Total	Recapt.	% Recapt.
David Drennan	RS DS	EC	251	1044	86	8.24
Charles de la Harpe	RS EST	EC	143	204	31	15.2
Cyrill Riddin	EST DS	EC	130	181	10	5.52
Jacques de la Harpe	RS EST	EC	129	578	54	9.34
Owen Richter	RS	EC	96	179	5	2.79
Raldu Potgieter	RS EST	WC	94	276	7	2.54
Grant Marshbank	EST RS	EC	93	470	31	6.6
Ewan Kyle	RS EST	KZN	90	1192	215	18.04
Donovan Cole	RS DS	EC	84	144	2	1.39
Gareth Gray	RS	KZN	82	189	1	0.53
Charl Olivier	RS	WC	80	442	10	2.26
Bradley Sparg	RS EST	WC	78	1498	66	4.41
Rian Raubenheimer	DS RS	EC	77	177	2	1.13
Craig Hamlet	EST RS	EC	73	174	11	6.32
Ryan Marshall	RS	WC	73	161	2	1.24
Michael White	EST	EC	73	331	16	4.83
Cornelis Reiman	RS	WC	67	167	8	4.79
Brad Carr	DS RS	WC	61	647	31	4.79
Gordon Marchand	DS	EC	61	113	7	6.19
Piet Oosthuizen	DS EST	KZN	61	220	37	16.82
Bernard van Wky	RS EST	WC	61	349	12	3.44
Clifford Hart	RS	WC	60	2005	139	6.93
Patrick Morris	RS	WC	59	591	37	6.26
Gordon Saville	EST	WC	58	692	26	3.76
Chris Muller	RS EST	EC	57	200	7	3.5
Sunil Piyarall	RS	KZN	55	73	5	6.85
Hylton Lewis	RS EST	EC	54	83	0	0
Bradley Kockott	RS	KZN	50	331	6	1.81
Simon Walker	RS EST	WC	49	4516	325	7.2
Ryan Koekemoer	RS EST	EC	48	69	2	2.9
Kevin Humphreys	RS DS	KZN	47	753	34	4.52
Roux Swart	RS	WC	47	77	1	1.3
Hennie Crous	DS RS	WC	46	549	25	4.55
Hannes Louw	RS EST	WC	45	79	2	2.53
Dylan Stone	EST	EC	45	82	3	3.66
Anthony Kruger	FLY DS	EC	42	430	37	8.6
Ryan Kruger	EST DS	EC	42	61	1	1.64
Cas de Clercq	RS	KZN	41	290	9	3.1
Riaan van der Sandt	RS RS	WC	40	143	5	3.5
Deon van Vuuren	RS EST	EC	40	48	0	0
Nardus Willemse	RS	WC	39	108	4	3.7
Tony Elvin-Jensen	RS EST	WC	38	64	1	1.56
Berrie Ferreira	EST	WC	38	129	2	1.55
Charl Range	RS	EC	38	187	6	3.21
Abe van der Poel	RS	EC	38	79	3	3.8
Christopher Pike	RS DS	KZN	37	98	5	5.1
Wikus van der Merwe	RS EST	WC	37	64	0	0
Johann Strauss	RS EST	WC	35	173	4	2.31
Steven Humphreys	RS EST	KZN	34	148	0	0
Gary Gimingham	DS EST	EC	33	58	1	1.72
Gerrie Grobler	EST	WC	33	254	22	8.66
Gareth Beaumont	RS EST	WC	32	83	1	1.2
Jacques Oosthuizen	DS DS	KZN	32	151	28	18.54
Case Veugelers	EST	WC	32	37	3	8.11
Bob Shepherd	RS EST	EC	31	316	10	3.16
Alan Botha	RS	KZN	30	699	50	7.15
Gary Boucher	RS	Ec	30	49	0	0
Dale Humphrey	RS EST	EC	30	59	0	0
Jandre van Rhyn	RS	WC	30	87	4	4.6
Juan van Vuuren	RS	KZN	30	81	4	4.94
Jacques Ackhurst	RS	WC	29	107	1	0.93
Russell Hand	D R EST	KZN	29	633	79	12.48
Tony Ingram	DS RS	WC	29	29	0	0

Member Name	Facet	Province	2010	Total	Recapt.	% Recapt.
Charl Marais	RS	WC	29	619	24	3.88
Maarten Molenaar	RS	EC	28	309	16	5.18
Lawrence Smith	RS	KZN	28	193	9	4.66
Jamie Breetzke	DS RS	EC	27	100	5	5
Michael Hyman	RS	EC	27	55	1	1.82
Quinton Catherine	RS DS	WC	26	171	5	2.92
Charles Lilford	EST RS	WC	26	2046	100	4.89
Silvo Sagrillo	RS	EC	26	262	10	3.82
Andre Canestra	RS EST	EC	25	51	9	17.65
Anton Haakman	RS EST	WC	25	288	5	1.74
Gary Middleton	RS EST	WC	25	121	1	0.83
Lester Peinke	RS	EC	25	162	11	6.79
Chris van Jaarsveldt	RS	WC	25	242	6	2.48
Paul van Nimwegen	DS RS	WC	25	46	2	4.35
Stuart Dunlop	RS DS	KZN	24	54	6	11.11
Ryan Nienaber	DS	WC	24	36	0	0
Kirk Webber	DS	EC	24	97	3	3.09
Freddy Zondagh	RS	SC	24	63	2	3.17
Nic de Kock	RS EST	WC	23	658	29	4.41
Jacques du Toit	RS	EC	23	35	0	0
Brian Lange	DS	KZN	23	278	22	7.91
Terry Stewart	DS EST	EC	23	59	1	1.69
Wilhelm Bouwer	RS	WC	22	126	5	3.97
Conrad Botes	DS	WC	22	48	0	0
Alan du Plessis	DS RS	WC	22	139	2	1.44
Jaco Lodewyk	RS EST	WC	22	44	1	2.27
Neil Malan	RS EST	WC	22	101	1	0.99
Hercules Roeloffze	RS	WC	22	124	3	2.42
Wayne Rudman	EST	EC	22	370	7	1.89
Pieter van der Westhuizen	RS	WC	22	34	3	8.82
David Clarke	RS	EC	21	80	2	2.5
John Coates	EST	EC	21	190	9	4.74
Naas Ferreira	EST RS	EC	21	23	1	4.35
Tyrone Gower	DS	EC	21	25	1	4
Deon Kotze	RS EST	WC	21	211	9	4.27
Warwick Leslie	RS DS	WC	21	46	0	0
Llewellyn Scrooby	RS	KZN	21	429	26	6.06
Michael Tyldesley	EST RS	KZN	21	376	31	8.24
Hayden Vosloo	DS	EC	21	60	2	3.33
David Carr	RS EST	EC	20	97	6	6.19
Jade Maggs	DS EST	KZN	20	39	1	2.56
Petrus Mey	RS	WC	20	33	1	3.03
Donovan Pautz	DS EST	EC	20	284	19	6.69
Hermar Pieters	RS EST	WC	20	56	1	1.79
Gordon Pope	RS EST	EC	20	894	75	8.39
Dirk Swart	RS	WC	20	80	0	0
Ferdie Botha	RS	EC	19	34	3	8.82
Geoff Coates	RS EST	EC	19	85	4	4.71
William Coleman	RS	Wc	19	80	1	1.25
John Frost	RS	EC	19	29	4	13.79
David Irvine	RS	WC	19	86	3	3.49
Arthur Mann	RS EST	KZN	19	46	4	8.7
Pieter van der Merwe	RS	KZN	19	247	6	2.43
Reiner von der Marwitz	RS	EC	19	67	3	4.48
Basil Woodroffe	RS	KZN	19	65	5	7.69
Simon Burton	RS EST	EC	18	359	15	4.18
Joe le Roux	RS	WC	18	165	7	4.24
Bruce Mann	RS DS	KZN	18	429	24	5.59
Ricky Prinsloo	RS DS	KZN	18	117	6	5.13
Johan Smal	DS	WC	18	38	0	0
Brendan Davids	RS EST	WC	17	60	0	0
Riaan Rademeyer	RS EST	WC	17	29	0	0
Gary Thompson	DS	WC	17	77	3	3.9

Member Name	Facet	Province	2010	Total	Recapt.	% Recapt.
Michael Bailey	RS EST	WC	16	35	0	0
Rob Billmore	EST	SC	16	70	1	1.43
Ashley Campher	RS	Wc	16	69	0	0
Raymond de Bruyn	RS	KZN	16	39	1	2.56
Barry Gilbert	RS	INLAND	16	144	3	2.08
Robert Kyle	RS EST	KZN	16	917	134	14.61
Herman Labuschagne	EST DS	KZN	16	56	2	3.57
Andre Lourens	EST	WC	16	308	10	3.25
Zahir Rwat	RS	KZN	16	170	12	7.06
Edley van Eeden	RS	INLAND	16	106	0	0
Jed Bird	EST FLY	KZN	15	61	2	3.28
Mel Fuller	RS	WC	15	23	1	4.35
Kevin Hodgson	DS BF	WC	15	32	0	0
Pieter Nortje	RS	WC	15	54	1	1.85
Clinton Bezuidenhout	RS	KZN	14	28	1	3.57
Christopher Caine	DS RS	EC	14	60	4	6.67
Mark Coetzee-Andrew	RS EST	WC	14	193	5	2.59
Rob Drake	EST	WC	14	270	7	2.59
Terence Lawson	RS EST	WC	14	70	0	0
Leendert Lorenzen	RS	WC	14	123	5	4.07
Chris Quayle	RS	KZN	14	29	0	0
Arthur Cary	RS	KZN	13	195	10	5.13
Mark de la Hey	DS	KZN	13	83	2	2.41
Ronald Giles	RS	WC	13	24	0	0
Pierre Joubert	RS EST	SC	13	38	1	2.63
Marlin Kinsey	RS	KZN	13	39	1	2.56
Nigel Louw	RS	EC	13	31	0	0
Michael Marais	RS EST	WC	13	13	1	7.69
Craig Nelson	RS	EC	13	26	1	3.85
Trevor Reid	RS BF	KZN	13	229	12	5.24
Kelvin Haschick	RS	EC	12	178	6	3.37
John Lindsay	RS	KZN	12	241	12	4.98
Thomas Norton	RS	WC	12	16	0	0
Ray Thompson	RS	KZN	12	544	21	3.86
Carlo van Tonder	RS EST	WC	12	22	1	4.55
Dean Versfeld	RS DS	WC	12	24	0	0
Peter Badenhorst	RS	EC	11	29	3	10.34
Jonathan Bishop	DS RS	EC	11	34	4	11.76
Liston Davidowitz	EST	WC	11	70	2	2.86
Jordan Lentz Jnr	RS DS	EC	11	260	11	4.23
Andrea Manning	RS	WC	11	164	2	1.22
Jonathan Scott	RS	WC	11	387	18	4.65
Marais Smith	DS	WC	11	12	0	0
Allen van Wulven	RS DS	Wc	11	323	9	2.79
Mark Weatherill	EST DS	KZN	11	14	0	0
Chris Wilkinson	RS DS	KZN	11	31	0	0
Aidan Wood	RS DS	EC	11	267	12	4.49
Paul Anderson	DS	WC	10	15	0	0
Willie Boshoff	RS	KZN	10	91	4	4.4
Riaan Boshoff	DS RS	KZN	10	10	0	0
Curt Coetzee	RS EST	EC	10	69	2	2.9
Phillip du Toit	RS	WC	10	39	1	2.56
Trevor Hansen	DS	EC	10	26	1	3.85
Clifford Haytread	RS	WC	10	358	9	2.51
Bradley Hyman	RS	EC	10	62	2	3.23
Michael Kockott	RS	EC	10	43	0	0
Roland Naicker	RS	KZN	10	81	3	3.7
Craig Niewoudt	RS DS	EC	10	33	1	3.03
Jim Ormshaw	EST DS	KZN	10	146	1	0.68
Steven Rouillon	RS	KZN	10	30	3	10
Allan Vorster	RS	KZN	10	87	5	5.75
Justin von Bonde	DS RS	WC	10	40	0	0
Lynton Wood	RS	WC	10	89	4	4.49





MAIN FISH SPECIES TAGGED UP TO 31 DECEMBER 2010

Species	Number tagged		Recaptured		Km Travelled		Days Free	
			No.	%	Mean	Max	Mean	Max
Galjoen	51997	3656	7.03	45	1892	399	5118	
Dusky kob	13271	796	6	30	1625	320	4370	
Dusky shark	11060	707	6.39	74	1374	93	2772	
Garrick	9469	651	6.88	251	1670	330	3208	
Copper/bronze shark	8418	250	2.97	151	1790	413	3981	
Spotted grunter	8286	239	2.88	14	823	254	2950	
Blacktail	8223	207	2.52	6	358	269	2715	
Spotted gulleyshark	7587	401	5.29	33	911	518	6332	
Shad/elf	7093	266	3.75	232	1676	127	1106	
Lesser guitarfish/sandshark	6329	69	1.09	42	726	334	2572	
White steenbras	5392	282	5.23	39	620	281	2262	
Blackspotted smooth houndshark	5172	131	2.53	47	582	538	2425	
Slinger	4450	146	3.28	9	1059	109	813	
Spotted raggedtooth shark	4203	398	9.47	240	2966	762	8256	
Giant guitarfish/sandshark	3949	191	4.84	32	360	319	1945	
Roman	3894	261	6.7	4	294	312	3549	
Sailfish	3336	28	0.84	63	1060	154	727	
Sevengill cow shark	3126	153	4.95	74	597	429	4332	
Giant kingfish	2798	95	3.4	15	272	369	2226	
Diamond ray	2719	17	0.63	244	1577	416	1890	
Black musselcracker/poenskop	2510	192	7.65	9	483	395	3295	
Zebrafish/wildeperd	2467	58	2.35	3	52	220	1399	
Carpenter	2463	22	0.89	47	290	772	3885	
Largespot pompano	2421	46	1.9	7	114	208	1236	
Blue/marbled stingray	2382	5	0.21	73	234	373	1059	
Bronze bream	2280	93	4.08	18	799	188	1465	
White musselcracker	2041	63	3.09	64	843	564	2313	
Catface rockcod	1780	371	20.84	6	411	192	2867	
Slender baardman/tasselfish	1673	20	1.2	2	17	269	679	
Ladyfish/springer	1529	29	1.9	26	412	379	1426	
Yellowbelly rockcod	1476	264	17.89	5	355	277	2220	
Longfin tuna/albacore	1431	36	2.52	303	1008	412	2585	
Hammerhead spp.	1409	10	0.71	74	218	219	955	
Perch/riverbream	1389	198	14.25	1	42	382	1583	
Smooth hammerhead shark	1362	20	1.47	142	384	603	3075	
Sharpnose stingray	1336	3	0.22	8	24	221	465	
King mackerel/couta	1303	52	3.99	416	1552	559	2604	
Westcoast steenbras	1283	78	6.08	61	280	253	1449	
Speckled snapper	1281	448	34.97	1	146	222	2276	
Natal stumpnose	1212	33	2.72	11	230	178	653	
Santer/soldier	1145	56	4.89	30	490	345	1683	
Skipjack tuna	1012	1	0.1	1061	1061	464	464	
Cape stumpnose	998	5	0.5	13	56	231	732	
Red steenbras	987	63	6.38	243	923	1327	4594	
Brassy kingfish	961	61	6.35	1	13	249	772	
River snapper	943	200	21.21	3	391	315	2403	
Duckbill	899	8	0.89	21	123	580	1427	
Milkshark	895	25	2.79	91	363	187	772	
Soupin shark	865	22	2.54	145	1034	830	3586	
Blacktip shark	860	35	4.07	78	1288	217	1148	
Striped catshark	851	41	4.82	13	381	379	2096	
Yellowfin tuna	845	10	1.18	298	2701	234	548	
Dageraad	763	26	3.41	30	592	442	1568	
Grey grunter	729	50	6.86	1	15	229	1099	
Geelbek	726	2	0.28	109	218	78	138	
Scalloped hammerhead shark	686	13	1.9	157	629	213	832	
Squartail kob	661	35	5.3	2	27	98	274	
Blacktip kingfish	632	25	3.96	3	54	138	545	
Stonebream/stinker bream	615	5	0.81	30	149	221	563	
Marlin: black	612	1	0.16	8	8	159	159	
Cavebass	583	85	14.58	6	328	268	933	
Longnose blackfin/spinner shark	576	20	3.47	69	1055	165	830	
Scotsman	569	160	28.12	15	378	305	1362	
Honeycomb stingray	556	8	1.44	1	8	502	2543	
Hardnose smooth houndshark	538	9	1.67	83	340	362	870	
Eagleray	501	3	0.67	18	49	261	635	
Great white shark	480	14	2.92	345	1548	370	959	
Bigeye kingfish	456	26	5.7	14	163	142	765	
Cape yellowtail	456	15	3.29	157	940	230	1287	
Seventyfour	447	11	2.46	114	521	595	2845	
Queen mackerel/Natal snoek	441	3	0.68	4	12	376	1044	
Tiger shark	434	23	5.3	201	1751	408	1823	
Janbruin	423	12	2.84	0	0	113	279	
Zambezi shark	412	26	6.31	63	539	321	2599	
Leopard catshark	378	24	6.35	39	722	645	4431	
Striped marlin	348	1	0.29	762	762	25	25	
Talang queenfish	336	15	4.46	1	10	170	630	
Southern pompano	325	23	7.08	61	464	132	848	
Sandbar shark	323	6	1.86	166	345	250	536	
Bonefish	312	1	0.32	6	6	17	17	
Eastern little tuna	310	0	0	0	0	0	0	
White seacatfish	309	13	4.21	5	21	361	1895	
Potato bass	304	15	4.93	1	14	176	518	
Hottentot	289	11	3.81	2	10	184	792	

Species	Number tagged		Recaptured		Km Travelled		Days Free	
			No.	%	Mean	Max	Mean	Max
Bluntnose spiny dogfish	266	4	1.5	188	669	615	1476	
Halfmoon rockcod	258	52	20.16	1	45	352	2511	
Blue marlin	256	0	0	0	0	0	0	
White stumpnose	250	4	1.6	2	3	298	463	
Banded galjoen	242	6	2.48	94	562	254	507	
Elephantfish/St Joseph	241	1	0.41	1342	1342	218	218	
Blackspot shark	237	5	2.11	4	10	241	708	
Bartail flathead	232	5	2.16	4	18	273	796	
Red stumpnose	231	4	1.73	3	13	543	1233	
Pickhandle barracuda	228	45	19.74	1	44	227	1398	
Flapnose houndshark	212	23	10.85	2	43	515	1367	
Brown shyshark	206	7	3.4	1	10	487	933	
Snapper kob/salmon	201	10	4.98	20	132	170	378	
Black seacatfish	195	95	48.72	0	1	208	564	
Cape snoek	180	1	0.56	136	136	491	491	
Spearnose skate	175	4	2.29	1	3	193	284	
Malabar rockcod	172	25	14.53	0	3	185	762	
Whitespotted smooth houndshark	159	4	2.52	5	15	478	1627	
Lemonfish	159	10	6.29	1	2	219	749	
Silver kob	159	6	3.77	15	51	185	839	
Bluefin kingfish	155	5	3.23	4	15	137	218	
Greyspot guitarfish/sandshark	155	1	0.65	6	6	51	51	
Javelin grunter	153	16	10.46	9	65	378	2940	
Blue hottentot	153	3	1.96	0	0	126	199	
Dorado/dolphinfish	145	1	0.69	64	64	66	66	
Smallspotted pompano	133	7	5.26	40	270	281	1218	
Puffadder shyshark	131	11	8.4	2	20	141	483	
Spotted eagleray	126	2	1.59	8	15	460	850	
Cock grunter	103	5	4.85	14	65	144	490	
Flathead mullet	101	1	0.99	738	738	738	738	
Maasbanker	88	0	0	0	0	0	0	
Cape gurnard	86	2	2.33	0	0	207	377	
Sliteye/tope shark	84	2	2.38	290	565	1334	2652	
Russell's snapper	81	2	2.47	0	1	44	77	
Thorntail stingray	78	2	2.56	0	0	295	357	
Broadbill swordfish	78	1	1.28	9	9	1263	1263	
Englishman	77	3	3.9	2	6	245	554	
Blue emperor	76	3	3.95	0	0	208	299	
Eeltail catfish	75	1	1.33	1	1	47	47	
Great barracuda	74	18	24.32	0	1	183	467	
Spotted spiny dogfish	74	1	1.35	36	36	120	120	
Blackfin reef shark	71	2	2.82	59	118	360	697	
Oxeye tarpon	69	0	0	0	0	0	0	
Banded catshark	65	8	12.31	16	55	423	1155	
Striped mullet	64	1	1.56	1	1	230	230	
Sailfin rubberlip	56	0	0	0	0	0	0	
Java shark	56	2	3.57	14	18	67	76	
Short-tail/black stingray	52	2	3.85	0	0	39	77	
Yellowtail scad	51	0	0	0	0	0	0	
Cape moony/moonfish	51	0	0	0	0	0	0	
Doublespotted queenfish	51	1	1.96	0	0	537	537	
Sand steenbras	50	1	2	0	0	79	79	
Green jobfish/kaakap	48	1	2.08	0	0	31	31	
Blue/ferdy kingfish	48	0	0	0	0	0	0	
Yellowspotted kingfish	45	0	0	0	0	0	0	
Longfin/tropical yellowtail	45	0	0	0	0	0	0	
Brown catshark	44	1	2.27	0	0	34	34	
Bigeye stumpnose	44	2	4.55	2	3	33	38	
Greater yellowtail	44	0	0	0	0	0	0	
Panga	44	0	0	0	0	0	0	
Longfin kingfish	43	1	2.33	12	12	453	453	
Shortfin mako shark	42	4	9.52	19	69	294	786	
Marbled electric ray	42	0	0	0	0	0	0	
Needlescaled queenfish	42	1	2.38	0	0	227	227	
Thintail thresher shark	42	0	0	0	0	0	0	
Moustache rockcod	41	7	17.07	175	1200	1024	2990	
Concertina-fish	40	0	0	0	0	0	0	
Whitebarred rubberlip	39	1	2.56	1	1	176	176	
Wreckfish	39	2	5.13	4	7	231	388	
Swallow-tail rockcod/lyretail	36	0	0	0	0	0	0	
Atlantic bonito	36	0	0	0	0	0	0	
Steentjie	34	0	0	0	0	0	0	
Yellowfin emperor	33	3	9.09	0	0	523	1187	
Prodigal son/cobia	33	1	3.03	36	36	479	479	
Manta ray	32	0	0	0	0	0	0	
Milkfish	31	0	0	0	0	0	0	
Tomato rockcod	29	4	13.79	2	6	327	537	
Chub mackerel	29	0	0	0	0	0	0	
Tripletail/ flasher	28	0	0	0	0	0	0	
Blue shark	27	0	0	0	0	0	0	
Koester	27	1	3.7	0	0	1176	1176	
Thornfish	26	0	0	0	0	0	0	
Bludger	26	0	0	0	0	0	0	
Brindlebass	25	2	8	0	0	80	149	

Priority species for tagging are highlighted with colour.

The KwaZulu-Natal Sharks Board (KZNSB) has been tagging sharks and rays since 1976 and to date has tagged over 6 000 animals. It has been an active member of the ORI Tagging Project since its inception in 1984.

Since the late 1980s the KZNSB has tagged all shark species found alive in the shark nets but initially the only tagging done by the organisation was that of free-swimming raggedtooth sharks. Most of this type of tagging, which is ongoing, has taken place near Leven Point. A pole sling is used by snorkel divers to insert a dart tag with a stainless steel head and plastic streamer (i.e. a B-tag).



Jeremy Cliff tagging a raggedtooth shark at Leven Point

Until 2010, the longest recorded time at liberty for a raggedtooth shark in southern African waters was 12.9 and 12.8 years. The former was a female, tagged in February 1991 at Leven Point which was recaptured during the R&S Nationals in March 2002 at Bigha River in the Eastern Cape. The animal was tagged with an additional tag and subsequently re-sighted by a KZNSB snorkeler in January 2004. And yes, the brave snorkeler even managed to read the tag number! The other, also a female, was tagged in January 1990 at Leven Point and was recaptured in Margate in November 2002.

In September 2010 a female raggedtooth shark was caught in the nets at Zinkwazi. Only a stump of the streamer was sticking out and no number could be read. The KSNZB, however, has been engraving the steel heads of these tags since the mid-1980s because of this problem, and the head was engraved with 5906 (see tag photo). This animal was tagged in 1990 (on the same day as the “12.8 year” animal above!) and was at liberty for 20.7 years!

This is the longest recorded time at liberty for this shark species in southern Africa, and possibly in the world – or so we thought!

Three months later, another female raggedtooth shark tagged in January 1998 at Leven Point was caught at Nhlabane on the Zululand coast after 12.95 years at liberty, beating both the 12.9 and 12.8 animals of above and establishing itself as the raggie with the second longest time at liberty – or so we thought!



An engraved tag head

The year 2010 ended with a bang (two new record holders) and 2011 started with an even bigger bang - a male raggedtooth shark tagged at Southbroom in July 1990 was recaptured at the Great Fish River in January after 20.5 years at liberty, ousting the previous animal by some 7.5 years. A month later, a female raggedtooth shark tagged in December 1995 at Leven Point was caught in Richards Bay. Time at liberty: 15.1 years! And finally, in March 2011, a male raggedtooth shark tagged in July 1988 in Southbroom was recaptured near Mossel Bay after a whopping 22.6 years at liberty!

This is currently the longest recorded time at liberty for this shark species in southern Africa, and possibly in the world! It also serves to highlight the value of long-term monitoring projects such as the ORI Tagging Project.

So, to summarize, the top 10 raggedtooth sharks in terms of time at liberty between tagging and recapture are:

1. 22.6 yrs, released without tag
2. 20.7 yrs, dead
3. 20.5 yrs, released with tag
4. 15.12 yrs, dead
5. 12.95 yrs, released with tag
6. 12.9 yrs, released with tag
7. 12.83 yrs, dead
8. 11.85 yrs, released with tag
9. 10.6 yrs, released with tag
10. 9.4 yrs, dead

We are appealing to anglers that if you do catch a shark which has only a stump of a tag, please try and carefully remove the tag and check the steel head for an engraved tag number (or the lower section of the tag for the second number in the case of an A-tag). If you do remove such a tag, you can re-tag the shark on the opposite side using a new tag but please be sure to let ORI know about both the removed tag number and the new tag number. In this way the history of the same shark can continue to be tracked and who knows, maybe in time even the 22.6 year record will broken!

Article by Ms Sabine Wintner (KZNSB)

INSTITUTIONAL SCIENTIFIC TAGGING FOR 2010

Institute / Organisation	Area	2010	Total	% Recapt.
Marine and Coastal Management *	De Hoop Marine Reserve	1575	45888	6.62
Oceanographic Research Institute	Pondoland Marine Reserve	470	2024	28.71
	St Lucia Marine Reserve	411	4928	12.95
Eastern Cape Parks & Tourism Agency	Dwesa Marine Reserve	233	731	2.87
White Shark Africa	Mosselbaai	100	100	0
Ezemvelo KwaZulu-Natal Wildlife	Kosi Bay Estuary Reserve	89	2461	8.74
KwaZulu-Natal Sharks Board	KwaZulu-Natal Coast	45	4027	6.43
Oceans Research and Shark Lab	Mosselbaai	24	30	6.70
uShaka Marine World Aquarium (Released Fish)	Durban	20	75	4.00
Rhodes University	Bird Island Marine Reserve	9	149	3.36
Two Oceans Aquarium (Released Fish)	Western Cape	6	44	4.55

*Project now being undertaken by Branch: Oceans and Coast of the Department of Environmental Affairs

Between April 2006 and July 2010, 385 scotsmen *Polysteganus praeorbitalis* have been caught and tagged in the Pondoland Marine Protected Area (MPA) with 98 of them having been recaptured. When considering that some scotsmen were recaptured repeatedly, one fish as many as five times, the overall recapture rate was 36%. This is extremely high and is most likely due to the care taken when handling the captured fish. Most scotsmen were highly resident with almost half being recaptured within 100 m of where they were originally tagged. Others were recaptured within 1 km, while a small minority of nomadic individuals moved long distances between 2.7 and 357 km away from where they had been tagged.



Devon Crowe with a nice scotsman caught in the Pondoland MPA. Photograph by Bruce Mann

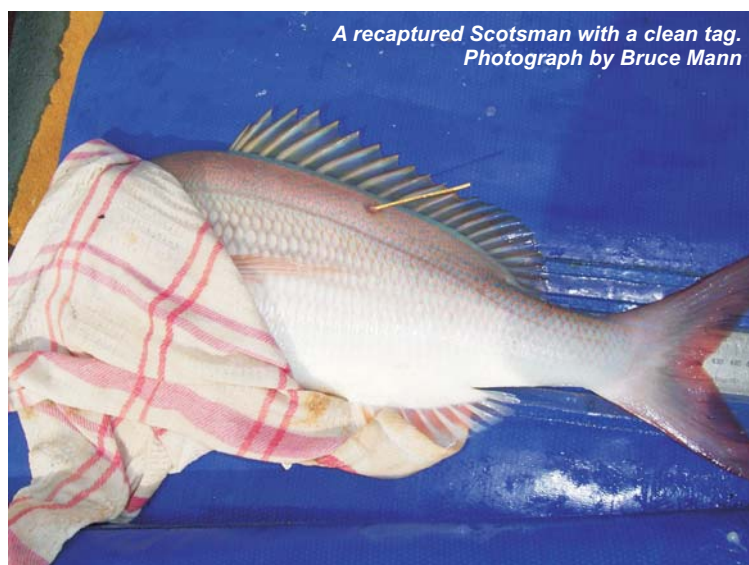
These results are very exciting and of significant value to the management of the scotsman stock, which is currently considered to be heavily over-exploited. The scotsman, like many other popular linefish species, has a life-history which is extremely vulnerable to fishing. Their growth rate is slow and in the past the population has been unable to withstand the pressure exerted by fishing. All scotsmen are born female and only some change sex to become male at a larger size/age. As a result, successful reproduction depends on younger females breeding with older males. Because larger/older fish, which are predominantly males, are often the first ones to be caught, it becomes more difficult for females to find males and successful breeding can be compromised. It

has been estimated that fishing has reduced the size of the scotsman population to around 21% of what it was before fishing started.

Tagging in the Pondoland MPA has shown that scotsmen usually occupy a relatively small home range on the reef with a linear distance of about 700 m. This small home range size makes it easier to protect this species in a MPA containing sufficient suitable reef habitat compared with more mobile or migratory species such as tuna which readily swim beyond the borders of even a very large protected area. Therefore, scotsmen residing in the Pondoland MPA are able to increase in number and size and become reproductively active with a natural sex ratio. In this way, the Pondoland MPA is contributing towards the recovery and rebuilding of the scotsman stock.

Some of the more nomadic scotsmen were recaptured beyond the boundaries of the MPA between Port Edward and Richards Bay where they were available to be caught by ski-boat anglers. This nomadic component of the population shows that the MPA is not only contributing to the rebuilding of the scotsman population within its borders but it is also enhancing catches in adjacent fisheries through spill-over.

Article by Mr Jade Maggs (ORI)



A recaptured Scotsman with a clean tag. Photograph by Bruce Mann

A BRIEF ANALYSIS OF THE TAGGING DATA ON RED STEENBRAS (PETRUS RUPESTRIS)

The red steenbras is a top reef predator that is endemic to South Africa and is the largest member of the family Sparidae reaching a maximum size of over 50kg. This species has been heavily over-exploited throughout its distribution range (Cape Point to Cape Vidal) with the possible exception of the former Transkei and Border regions where reasonable numbers still occur. Following a recent analysis of commercial linefishing catch and effort data which showed a 90% decline over the past 25 years, scientists called for a moratorium on the capture of this species. At the time of writing, this recommendation was due to be printed as a government notice for public comment.



Photograph by Dennis King

In order to provide good information to assist in wise decision-making, a brief analysis of the tagging data collected on red steenbras over the past 26 years was undertaken. As of the end of 2010 some 987 red steenbras had been tagged and released as part of the ORI Tagging Project (Table 1).

Table 1. A summary of the tag and release data for red steenbras from the ORI Tagging Project (1984-2010).

No. tagged	No. recaptured	% recaptured	Average days free	Minimum days free	Maximum days free	Average km moved	Minimum km moved	Maximum km moved
987	63	6.38	1327	1	4594	243	0	923

Of these, 287 (29%) were tagged and released inside the Tsitsikamma National Park (TNP) Marine Protected Area (MPA) as part of on-going linefish research being conducted by Rhodes University. A total of 63 (6.4%) recaptures have been made and of these, 28 were of fish originally tagged within the TNP. This high recapture rate of fish tagged within the MPA (9.8%) suggests better handling and tagging by scientists conducting the work, as well as better reporting of recaptures, particularly of juvenile fish (<700 mm FL), which are highly resident and were often recaptured by scientists in the same area (Brouwer 2002).

An analysis of the recapture data showed that the majority of fish (56%) moved in a north-easterly direction with an average distance of 434 km (Table 2 & Figure 1). The rest either remained resident or moved a relatively short distance to the south-west. When examining the size of recaptures it quickly becomes evident that the larger fish are moving (i.e. >700 mm FL), whereas the smaller fish remain resident or only move relatively short distances (Table 2).

Table 2. An analysis of movement data from 63 recaptured red steenbras from the ORI Tagging Project.

Direction moved	Number recaptured	Mean distance (km)	Mean size (mm FL)
Zero	21	0	521
North-east	35	434	790
South-west	6	23	504



John Rance (Jnr) with a juvenile tagged red steenbras about to be released off Kei Mouth. Photograph by Bruce Mann

For those fish that did move away from where they were originally tagged, the rate of movement appeared to be very slow (i.e. 0.28 ± 0.26 km/day). This suggests that on reaching maturity adults gradually move in a north-easterly direction as shown in earlier research by Brouwer (2002). However, this estimate is biased by the fact that some fish were at liberty for long periods of time before being recaptured, while others moved long distances in relatively short periods of time (Figure 2). This does appear to be a one-way movement and there was no evidence of a return migration. So once adult red steenbras reach maturity and move up to the Transkei coast, they appear to remain there for the rest of their adult lives.

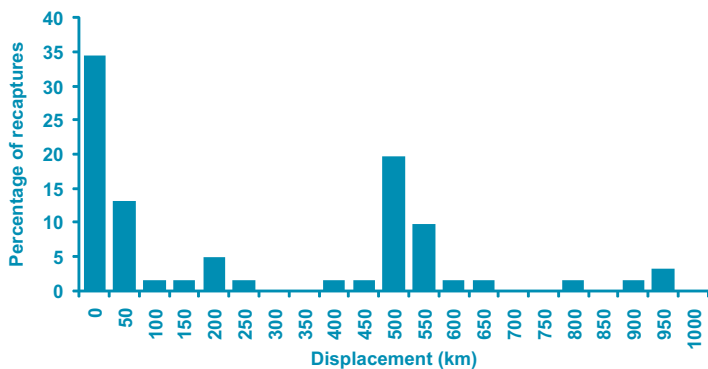


Figure 1. The displacement shown by 63 red steenbras tagged and recaptured between 1984 and 2010.

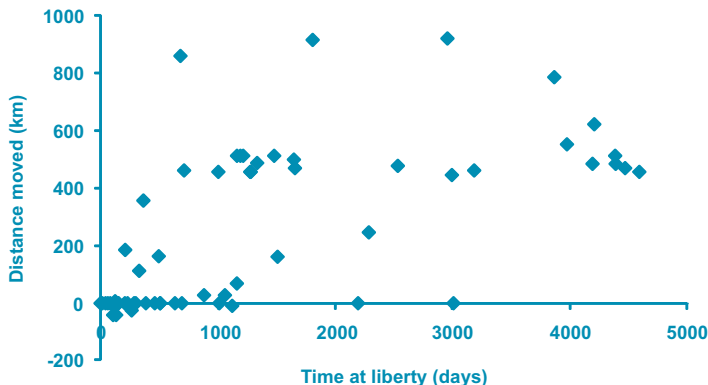


Figure 2. Movement patterns of 63 red steenbras tagged and recaptured in the ORI Tagging Project between 1984 and 2010 (positive numbers reflect movement northwards and negative numbers reflect movement southwards).

Unfortunately, less than half the recaptures ($n=30$) had suitable length measurements taken on recapture. This showed that the average growth rate was very slow i.e. 58 ± 28 mm/year thereby confirming the slow growth rate of this species as determined by otolith ring counts in a study conducted by Smale & Punt (1991) (red steenbras have been aged up to 33 years).

Based on the evidence from the tagging data it can be concluded that red steenbras exhibit a number of life history characteristics that make them extremely vulnerable to overfishing. These include a highly resident juvenile phase (making them susceptible to local depletion) and a very slow growth rate (which renders them prone to growth overfishing). Six incredible long-term recaptures of red steenbras, all of which were juvenile fish tagged in the TNP during the late 1990s and recaptured during the past three years (Table 3), show irrefutable evidence of the importance of MPAs in protecting the resident juvenile stage of this species.

Table 3. Tag and recapture data for six red steenbras tagged in the Tsitsikamma National Park (TNP) and recaptured 11.5-12.6 years later between East London and Hole-in-the-Wall.

Date tagged	Tagged length	Date recapt.	Locality recapt.	Recapt. length	Km moved	Years free	Growth rate (mm/yr)
16/05/1996	565	25/05/2008	Cintsa River	985	486	12	34.9
20/06/1996	549	17/01/2009	East London	1070	458	12.6	41.4
07/01/1997	416	07/04/2009	Gonubie River	1050	471	12.3	51.7
19/05/1997	508	24/05/2009	Kei Mouth	900	514	12	32.6
03/10/1997	589	29/03/2009	Cintsa River	1040	486	11.5	39.2
16/02/1999	385	27/08/2010	Hole-in-the-Wall	857	624	11.5	40.9

The bottom line is if we are going to ensure the future of this iconic species, drastic management action needs to take place and amongst other actions this must include identification and protection of suitable reef habitat for both juvenile and adult life stages in no-take MPAs.

References

- Brouwer, S.L. 2002. Movement patterns of red steenbras *Petrus rupestris* tagged and released in the Tsitsikamma National Park, South Africa. *South African Journal of Marine Science* 24: 375-378.
- Smale, M.J. and Punt, A.E. 1991. Age and growth of the red steenbras *Petrus rupestris* (Pisces: Sparidae) on the south-east coast of South Africa. *South African Journal of Marine Science* 10: 131-139.

Article by Mr Bruce Mann (ORI)

POENSKOP / BLACK MUSSEL CRACKER *Cymatoceps nasutus*

2 435 TAGGED
193 RECAPTURED = 7.8% RECAPTURE RATE
LONGEST DISTANCE TRAVELLED 483 KM
MAXIMUM DAYS FREE 3 295 (9.02 YEARS)

ONE OF OUR MOST EXCITING POENSKOP RECAPTURES WAS REPORTED TO US IN 2010. A 578 MM FISH TAGGED BY DAVID DRENNAN ON THE 5 FEBRUARY 2008 WAS RECAPTURED 1 034 DAYS LATER AT A DEPTH OF 64 M OFF MNYAMENI RIVER IN THE EASTERN CAPE BY LOUIS WEBBER. IN ITS 2.8 YEARS AT LIBERTY IT HAD GROWN 162 MM AND TRAVELLED 483 KM, WHICH IS THE LONGEST DISTANCE TRAVELLED BY ANY RECAPTURED POENSKOP. THIS RECAPTURE CONFIRMS THAT SOME POENSKOP, WHICH ARE USUALLY VERY RESIDENT, CAN MOVE CONSIDERABLE DISTANCES. IT IS ALSO APPARENT FROM OUR RECORDS THAT MATURE ADULTS MOVE MORE THAN THE JUVENILES.

Boat Name	Boat Captain/Skipper	Number and species tagged
Albacore 2	Coenie Mynhardt	1 sailfish
Aphrodite	Casper Walker	3 black marlin, 2 striped marlin, 1 sailfish
Bamba Zonke	Johan de Beer	2 blue marlin
Big W	Wayne Ritchie	1 blue marlin, 2 striped marlin
Black Magic	Lappies Labuschagne	7 striped marlin
B's Nest	Brad Kidd	2 black marlin
Boyansea	Hansie van Wyk	1 blue marlin, 1 striped marlin
C-Angel	William Meintjies	1 striped marlin
Casper	Faan Greyling	1 black marlin
C-Breeze	Henk du Plessis	2 sailfish
Chungaa	Piet Taylor	1 striped marlin
Citation	Steve Andrews	3 blue marlin, 5 striped marlin
Corolla	Frans Prinsloo	1 black marlin, 1 blue marlin, 1 striped marlin
Dee Jay	Gavin Heale	2 blue marlin, 1 striped marlin
Dohazari	Jeremy Ferrow	2 black marlin
Dolfie	Alwyn Badenhorst	3 black marlin, 3 blue marlin, 5 striped marlin
Double Smooth	Kowie Lombard	1 sailfish
El Dorado	Calvin Wright	1 black marlin
Enigme	Johan Lange	1 blue marlin, 1 striped marlin
Espadon	David Barnes	1 black marlin
Eventually	Francois Visagie	1 blue marlin
First Strike	Ross Ellis	1 sailfish
Fish Fun	Stefanus Bester	1 blue marlin
Fish Therapy	Graham Pollard	1 black marlin, 6 sailfish
Flat Cat	Willie Hoffmann	1 black marlin
Gaffit	Grant Estman	1 blue marlin
Gandalf	Les Greening	1 black marlin
Go Fish	M. de Kock	1 black marlin, 1 sailfish
Hlatikulu	Marius Vermaak	2 blue marlin, 1 sailfish
Ibo	Massane & Zivane	1 black marlin
Inyathi	Johan van den Berg	1 black marlin
Jorrie	Pieter Jordaan	1 blue marlin
Kingfisher	Arrie Bason	2 black marlin, 1 sailfish
Kizungu	Quinten Clark	1 sailfish
Lady Rose	Andre Strydom	3 blue marlin
Last Round	Jan Schutte	1 sailfish
Laura Beue li	L. Maree	1 striped marlin
Legend	Fouche Blignaut	1 black marlin
Little Joey	Chris Rothmann	1 blue marlin, 1 striped marlin
Llwellyn	Hennie Kaufman	2 black marlin
Majestic	Dawid van der Merwe	3 black marlin, 6 blue marlin, 3 striped marlin, 1 sailfish
Makhalimpi	Brett Chubb	1 sailfish
Nyaka-Nyaka	Neil Brimacombe	1 black marlin, 1 striped marlin
Optimist	Neil Groom	3 sailfish
Optimistic	Clive Kidd	1 black marlin
Predator	Christo Bornman	1 striped marlin
Reel Magic	Trevor Hansen	1 blue marlin
Rola	Aminosse	2 sailfish
Rough Rider	Martin van Wyk	1 blue marlin, 1 striped marlin
Saltwater	Kevin Hodgson	1 blue marlin
Schallas	S.W.J. Lubbe	1 black marlin, 1 blue marlin
Sea Ducer	Garth Mcgee	7 black marlin, 2 blue marlin, 2 striped marlin, 1 sailfish
Seevarkie	Johan Smith	5 black marlin, 2 striped marlin, 1 sailfish
Shaluzza	Peter Rutherfordoord	1 blue marlin, 1 sailfish
Shaya Lo Manzi	Pieter Range	1 sailfish
Skybird	David Knudsen	4 black marlin, 1 sailfish
Stephe	Phillip Marx	2 blue marlin, 1 striped marlin
Stompie	Johan Swanevelder	1 black marlin
The Full Monty	Monty Montgomery	1 blue marlin
The Gaffer	Paul Whitaker	1 sailfish
Time Out	Mark Gafney	1 black marlin
Trinity	Frans van Rensburg	2 black marlin, 3 blue marlin
Triple T	Jan Fourie	1 black marlin
Tropical Dream	Kobus Sutherland	2 blue marlin
Vamizi	Duarte A.M. Rato	22 black marlin, 2 striped marlin, 12 sailfish
Wasabi	Brett Padora	1 sailfish
Zaen Mari	Ian Murray	3 sailfish
Zambezi	Jan Strydom	5 sailfish



COMMERCIAL CHARTER GROUPS

Name	Group	Area	Facet	2010 Total	% Recapt.
Adrian Westraadt	Linene Island Resort	Linene Island, Mozambique	DS RS FLY	97 395	0.75
Duarte M. Rato	Rani Resorts- Indigo Bay	Bazaruto Island, Mozambique	DS BF	63 681	0.44
Guy Ferguson	Azura Lodge	Benguera Island, Mozambique	DS BF FLY	34 505	1.39
Graham Pollard	Benguera Lodge	Benguera Island, Mozambique	DS BF	31 101	0.99
Earl Strydom	Hells Gate Lodge	Maputo, Mozambique	DS	29 114	1.75
Ryan Williamson	Citation Gamefish Boat Charters	Richards Bay	DS BF	8 13	0