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**Tagging Experiments on Australian Salmon
(*Arripis trutta*): Recapture Data for
Tasmanian Releases, 1949 to 1964**

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**TAGGING EXPERIMENTS ON AUSTRALIAN SALMON (Arripis trutta):
RECAPTURE DATA FOR TASMANIAN RELEASES, 1949 to 1964**

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Abstract

Release and recapture information is given on the 948 tagged Australian salmon (Arripis trutta) that were recaptured from 5341 liberated in Tasmanian waters between 1949 and 1964. Where data are available, recapture and release information includes tag type, locality, date, fish length and whether the return was made by an amateur or professional fisherman.

Introduction

The biology of the Australian salmon in Tasmanian waters was studied by the CSIRO Division of Fisheries Research between 1949 and 1964. As part of this study, minor tagging programs were undertaken during 1949 and 1952 to 1955, and a major program between 1962 and 1964.

Although parts of the resulting information have been used, the data set provides a valuable record for future analyses. Of the information published, Thomson (1963) and Stanley (1983), using 1949 to 1952 and 1949 to 1964 data respectively, have discussed the suitability of the various tag types used. Malcolm (1960, 1966) and Stanley (1978), using 1949 to 1952 data, 1949 to 1964 data in part, and 1949 to 1964 data, respectively, have also discussed the movements of tagged fish. Tagged fish movements are also briefly mentioned in Anon (1968). Information resulting from a series of dart tagging experiments has not been published. To make the entire set of data available for future analyses, and to provide an historic record, all available information is listed in a common format.

Data format

Release and recapture locations are plotted in Fig. 1 (Tasmania) or Fig. 2 (New South Wales, Victoria, South Australia and Western Australia). Experiment numbers relating to each release locality are also listed in Table 1. There is some doubt as to the recapture locality for fish listed as being caught at Three Hummocks Island (all such recaptures were made on about 2 and 12 December 1964). These fish may have been caught, totally or partly, at Babel Island.

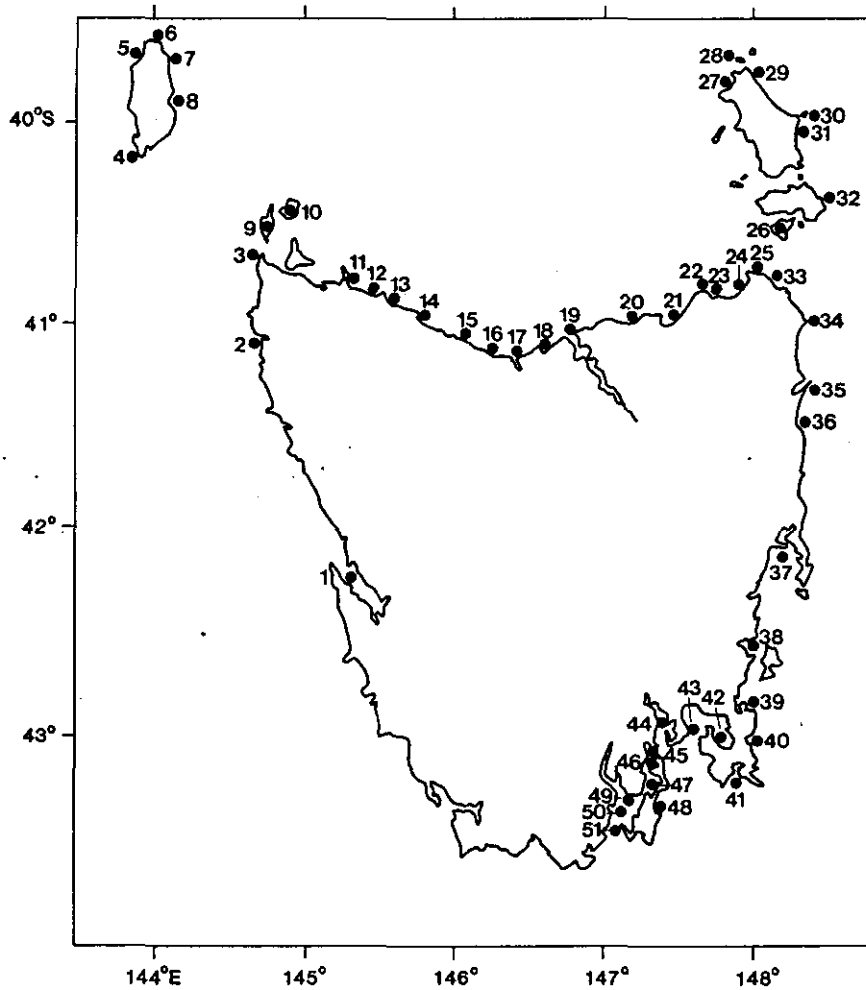


Fig. 1 Release and recapture locations in Tasmania

Locality	Code Number	Locality	Code Number	Locality	Code Number
Adventure Bay	48	Hobart	44	Rubicon River	18
Anderson Bay	21	Hunter Island	9	Saltwater Creek	42
Arthur River	2	Inglis Estuary	14	Scamander	36
Babel Island	30	Killicrankie Bay	27	Sellars Beach	31
Barnes Bay	46	Koonya	42	Simpsons Bay	47
Beauty Point	19	Lades Beach	23	Sisters Creek Beach	13
Blackman Bay	39	Low Head	19	Slopen Main	42
Bridport	21	Macquarie Harbour	1	Stanley	11
Cameron Inlet	31	Martha Lavinia Beach	7	St. Helens	35
Cape Barren Island	32	Noland Bay	20	Sulphur Creek	15
Cape Portland	25	North Bay	39	Surprise Bay	4
Cape Wickham	6	North-east River	29	Swan Island	33
Clark Island	26	Orford	38	Swansea	37
Coles Bay	37	Partridge Island	51	Tamar River	19
Cornelian Bay	44	Patriarch Point	30	Tar Point	32
Cremorne Beach	43	Pegs Beach	12	Three Hummock Island	10
Croppies Bay	22	Phoques Bay	5	Tinderbox	45
Davidson Bay	3	Piper River	20	Triabunna	38
Detention River	12	Port Arthur	41	Turners Beach	16
Devonport	17	Port Esperance	50	Verona	49
Dunalley	42	Port Sorell	18	Waterhouse Island	22
Eagle Hawk Neck	40	Premaydena	42	West Sandy Cape	20
Eddystone Point	34	Ringarooma Bay	24	West Sister Island	28
Falmouth	36	Rocky Cape	6	Wynyard	14
Fraser River	8				
Georges Bay	35				

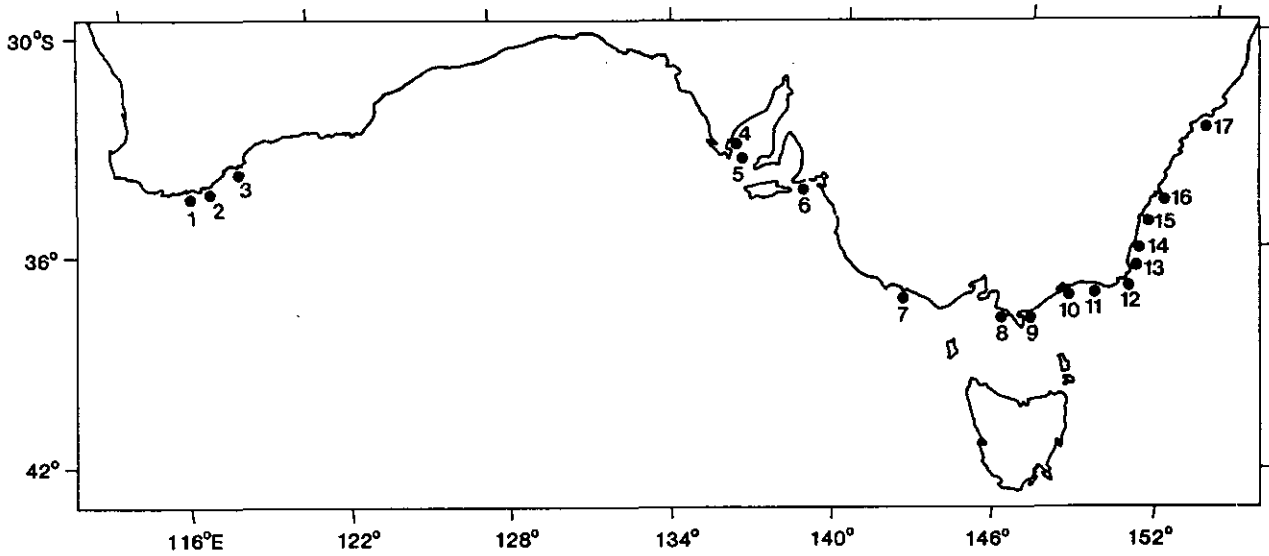


Fig. 2. Recapture locations in New South Wales, South Australia, Victoria, and Western Australia

Locality	Code Number	Locality	Code Number	Locality	Code Number
Anderson Inlet	8	Lakes Entrance	10	Victor Harbour	6
Bermagui	14	Logans Beach	13	Wedge Island	5
Binge Binge Beach	15	Mallacoota	12	Wonboyn	13
Blackhead	13	Marlo	11	Wreck Bay	16
Bremer Bay	3	Merimbula	13		
Broulee	15	Mewtries Beach	13		
Burrill Lake	16	Moruya	15		
Cape Conran	11	Mowwarry	13		
Cape Everard	11	Newcastle	17		
Cheyne Beach	2	Ninety Mile Beach	10		
Currarong Beach	16	Nowra	16		
Disaster Bay	13	Pambula	13		
Durras North	15	Parry Inlet	1		
Eden	13	Peaceful Bay	1		
Gabo Island	12	Pinnacles Beach	13		
Golden Beach	10	Port Lincoln	4		
Handkerchief Bay	13	Port Fairy	7		
Haycock Beach	13	Port Welshpool	9		
Iron Prince Reef	12	Racecourse Beach	16		
Jane Speers Beach	13	Red Head Beach	16		
Kiak Beach	13	Saltwater Creek	13		
Kiama	16	Sandy Point	9		
		Sydenham Inlet	11		
		Tathra	14		
		Two People Bay	2		

Table 1. Index of release localities

Locality	Experiment numbers
Anderson Bay	TAS 026, 034-036, 038
Arthur River	TAS 016, 017
Babel Island	TAS 042
Barnes Bay	TJ 080, 088
Bridport	TAS 037
Cameron Inlet	TAS 043
Cape Wickham	TAS 052
Croppies Beach	TAS 046
Davidson Bay	TAS 018
Dunalley	TAS 002-004, 015, 031; TJ 060, 067, 074, 089, 099
Fraser River	TAS 056
Killiecrankie Beach	TAS 040
Lades Beach	TAS 032
Martha Lavinia Beach	TAS 049, 050, 055, 062
North Bay	TAS 029
Orford	TJ 061, 082
Partridge Island	TAS 001
Patriarch Point	TAS 033
Phoques Bay	TAS 048
Port Arthur	TAS 028
Port Sorell	TAS 009-013, 019, 020; TJ 007, 014, 065, 084, 093, 103
Ringarooma Bay	TAS 039, 041
Rocky Cape	TAS 053, 054
St. Helens	TAS 005-008, 014, 030, 045, 047; TJ 027, 034, 062, 069, 092a, 092b, 102, 110, 110a
Sellars Beach	TAS 021, 022
Sisters Beach	TJ 094
Sulphur Creek	TAS 025
Stanley	TJ 023, 051a, 058, 063, 107
Surprise Bay	TAS 051, 057-061
Tar Point	TAS 044
Turners Beach	TAS 027
West Sister Island	TAS 023, 024
Wynyard	TJ 085, 095, 104

A variety of tag types were used, the most common being an internal type. When other types were used, this is noted under the relevant experiment number. The major tagging program began with experiment TAS 018. Before this, Petersen and jaw tags were used for two experiments (TAS 001 and 002), and internal tags, presumably without attached external streamers, for experiments TAS 003 to TAS 017. From experiment TAS 018 all internal tags had attached plastic streamers. Dart tags (experiments

TJ 007 to TJ 110a) were used in an unsuccessful attempt to determine Tasmanian juvenile population sizes (not all experiments involved tagged fish; hence the gaps in the number sequence). A reasonable percentage (5.4%) of these tags were returned up to a year after release. The data are included (listed after the TAS experiment series), as they are useful in investigating the movements of juvenile fish.

Return rates of the various tag types are listed in Table 2. Of the two types released in large numbers, internal tags were much superior to dart tags.

Table 2. Recovery rates of various tag types

Tag type	Number released	Number recaptured	Percent recaptured
Internal	3476	848	24.4
Dart	1691	91	5.4
Petersen	100	8	8.0
Jaw	74	1	1.4
all types	5341	948	17.8

East and west subspecies fish (Arripis trutta marginata and A. t. esper respectively) often co-exist in the same school in Tasmania waters (Malcolm 1960). The only satisfactory method of identifying the subspecies is to count the number of gill rakers (Malcolm 1959). For most experiments (excluding the TJ dart series), separate samples of fish remaining after each tagging operation were examined and gill raker counts made. These counts were then used to determine the probable subspecies composition of released tagged fish. Occasionally the gill rakers of some or all tagged fish were counted. Subspecies compositions are given for recaptured fish.

Fish length measurements (cm) are from the snout to the caudal fork. Lengths at release are precise, the measurements having been made by scientific staff. The accuracy of recapture lengths is variable, as some were made by scientific staff and others by amateur or professional fishermen.

Up to experiment TAS 018, tagged fish were measured individually at release; the length composition data give the number of fish measured in one or more distinct modal classes. From experiment TAS 019 (including the TJ dart series), length information was also recorded as:

- (a) percentages within modal length groups (square brackets) determined from separate subsamples of fish and
- (b) estimated total length ranges (parentheses) determined from separate subsamples of fish.

Occasionally length measurements at release were not recorded.

Column symbols

- * in 'recapture date' column: date is approximate
- A or P in 'returned by' column: tag was returned by an amateur or professional fisherman, respectively

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Tagging Experiments

Experiment No. TAS 001

Place of release : Partridge Island Date of release : 24 January 1949
 Number of fish released : 83 Lengths : 23.4 - 41.1 cm
 Per cent recaptured : 4.8% Tag type : *Peterson (38) +Jaw (45)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
* 1	Partridge Island	1.2.49	8	35.4	34.3	
* 2	Verona	3.4.49	69	36.9		
* 3	Port Esperance	14.6.49	141	29.9		
+ 4	Simpsons Bay	4.12.49	314	35.3	38.0	

Experiment No. TAS 002

Place of release : Dunally Date of release : 28 January 1949
 Number of fish released : 91 Lengths : 31.9 - 40.0 cm
 Per cent recaptured : 5.5% Tag type : *Peterson (62) +Jaw (29)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
* 1	Triabunna	10.2.49	13	38.0		P
* 2	Premaydena	17.2.49	20	32.6	35.5	
* 3	Dunally	6.3.49	37	35.7	36.8	
* 4	Hobart	12.4.49	74	35.8	39.3	
* 5	Eagle Hawk Neck	6.5.49	98	34.0		

Experiment No. **TAS 003**

Place of release : Dunalley
 Number of fish released : 13
 Per cent recaptured : 0%

Date of release : 7 October 1952
 Lengths : 25 cm (1); 33-41 cm (12)
 Subspecies : Western (100%)

Experiment No. **TAS 004**

Place of release : Dunalley
 Number of fish released : 55
 Per cent recaptured : 0%

Date of release : 8 October 1952
 Lengths : 35 - 47 cm
 Subspecies : Western (75%); Eastern (25%)

Experiment No. **TAS 005**

Place of release : St Helens
 Number of fish released : 17
 Per cent recaptured : 0%

Date of release : 13 October 1952
 Lengths : 25 - 30 cm (7); 32 - 35 cm (10)

Experiment No. **TAS 006**

Place of release : St Helens
 Number of fish released : 18
 Per cent recaptured : 5.6%

Date of release : 14 October 1952
 Lengths : 24 - 29 cm (10); 31 - 35 cm (8)
 Subspecies: Eastern (91%); Western (9%)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Returned by
1	St. Helens	12.1.53	90	28.6	31.2

Experiment No. **TAS 007**

Place of release : St Helens
 Number of fish released : 14
 Per cent recaptured : 0%

Date of release : 15 October 1952
 Lengths : 26 - 31 cm (5); 33 - 36 cm (9)
 Subspecies: Eastern (71%); Western (29%)

Experiment No. **TAS 008**

Place of release : St Helens
 Number of fish released : 19
 Per cent recaptured : 0%

Date of release : 16 October 1952
 Lengths : 23 - 27 cm (15); 31 - 34 cm (4)

Experiment No. **TAS 009**

Place of release : Port Sorell
 Number of fish released : 65
 Per cent recaptured : 4.6%

Date of release : 19 October 1952
 Lengths : 20 - 27 cm (57); 30 - 33 cm (2);
 39 - 44 cm (6)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Port Sorell	21.10.52	2	22.1		
2	Eden, NSW	* 30.6.53	254	43.8	46.0	
3	Hunter Island	* 15.3.54	512	33.2		

Experiment No. **TAS 010**

Place of release : Port Sorell
 Number of fish released : 66
 Per cent recaptured : 3.0%

Date of release : 20 October 1952
 Lengths : 20 - 29 cm (61); 33 - 39 cm (4);
 45 cm (1)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Port Sorell	20.10.52	0	24.3		
2	" "	21.10.52	1	22.8		

Experiment No. **TAS 011**

Place of release : Port Sorell
 Number of fish released : 56

Date of release : 21 October 1952

Lengths : 14 - 17 cm (12); 20 - 28 cm (37);
 33 cm (2); 40 - 42 cm (5)

Per cent recaptured : 1.8%

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Port Sorell	12.2.53	114	24.0		

Experiment No. **TAS 012**

Place of release : Port Sorell
 Number of fish released : 49
 Per cent recaptured : 0%

Date of release : 22 October 1952

Lengths : 16 - 19 cm (9); 20 - 28 cm (35);
 33 - 37 cm (5)

Experiment No. **TAS 013**

Place of release : Port Sorell
 Number of fish released : 50
 Per cent recaptured : 6.0%

Date of release : 23 October 1952

Lengths : 20 - 28 cm (48); 31 cm (1);
 41 cm (1)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Tamar River	25.11.52	33	27.5	29.2	
2	Beauty Point	* 30.11.52	38	40.9		
3	Devonport	10.5.53	199	22.7	30.5	

Experiment No. **TAS 014**

Place of release : St Helens
 Number of fish released : 160
 Per cent recaptured : 7.5%

Date of release : 24 October 1952
 Lengths : 22 - 28 cm (49); 29 - 37 cm (75);
 38 - 48 cm (36)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	St Helens	12.12.52	49	25.2		
2	Wonboyn, NSW	12.5.53	200	32.8	49.5	
3	Eden, NSW	* 30.6.53	249	44.3	45.7	
4	Merimbala, NSW	27.7.53	276	42.3		
5	Lakes Entrance, Vic	* 31.7.53	280	35.7	49.5	
6	Merimbala, NSW	22.3.54	514	40.7	46.4	
7	Babel Island	* 30.4.54	553	33.6		P
8	" "	" "	"	32.8		P
9	Merimbala, NSW	5.7.54	619	44.2	50.8	
10	Mallacoota, Vic	27.8.54	672	29.5		
11	" "	" "	"	30.5		
12	Eden, NSW	* 31.12.54	798	32.8		

Experiment No. **TAS 015**

Place of release : Dunalley
 Number of fish released : 64
 Per cent recaptured : 0%

Date of release : 25 October 1952
 Lengths : 35 - 39 cm (8); 40 - 47 cm (56)

Experiment No. **TAS 016**

Place of release : Arthur River
 Number of fish released : 88
 Per cent recaptured : 1.1%

Date of release : 9 January 1953
 Lengths :

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Macquarie Harbour	10.5.53	121			

Experiment No. **TAS 017**

Place of release : Arthur River
 Number of fish released : 27
 Per cent recaptured : 0%

Date of release : 23 March 1955
 Lengths :

Experiment No. **TAS 018**

Place of release : Davidson Bay
 Number of fish released : 50
 Per cent recaptured : 40.0%

Date of release : 27 October 1962
 Lengths : 33 - 37 cm (14); 38 - 44 cm (26);
 46 - 49 cm (10)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Anderson Inlet, Vic	* 15.9.63	323	37.0	38.1	A
2	Tathra, NSW	31.12.63	430	46.0		P
3	Eden, NSW	1.3.64	491	47.0	54.6	P
4	Tasmania	22.4.64	543	39.0	40.0	P
5	Lakes Entrance, Vic	10.5.64	561	43.0		P
6	Pambula, NSW	20.5.64	571	40.0		P
7	Lakes Entrance, Vic	26.6.64	608	42.0		P
8	"	10.7.64	622	44.0		P
9	"	"	"	42.0		P
10	St. Helens	* 30.11.64	765	41.0	43.8	P
11	Lakes Entrance, Vic	* 31.12.64	796	36.0		P
12	Wonboyn, NSW	11.2.65	837	37.0		P
13	Burrill Lake, NSW	25.2.65	851	43.0	55.9	P
14	Peaceful Bay, WA	29.3.65	883	48.0		P
15	Parry Inlet, WA	"	"	47.0		P
16	Eden, NSW	* 28.4.65	913	35.0		P
17	"	"	"	36.0		P
18	"	5.6.65	951	36.0		P
19	"	26.7.65	1002	38.0		A
20	Cheyne Beach, WA	22.3.66	1242	49.0		P

Experiment No. TAS 019

Place of release : Port Sorell
 Number of fish released : 80
 Per cent recaptured : 46.3%

Date of release : 16 January 1963
 Lengths : (30 - 35 cm)
 Subspecies : Eastern (100%)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Devonport	19.1.63	3		33.0	A ?
2	Ringarooma Bay	2.2.63	17			P
3	Turners Beach	23.4.63	97			P
4-9	Noland Bay	24.4.63	98			P
10	Waterhouse Island	10.5.63	114			
11-15	West Sandy Cape	11.5.63	115			P
16	"	"	"		40.0	P
17	Waterhouse Island	16.5.63	120		33.0	P
18	"	"	"		34.0	P
19-20	"	"	"		35.0	P
21	"	"	"		36.0	P
22	"	"	"		37.0	P
23-24	"	"	"			P
25-26	Turners Beach	22.6.63	157		35.0	P
27	"	"	"		36.0	P
28	"	"	"		37.0	P
29	"	"	"		38.0	P
30	"	"	"		39.0	P
31	Sisters Creek Beach	3.7.63	168		40.6	A
32-33	Tasmania	* 31.12.63	349		33.0	P
34	"	"	"		33.5	P
35	Eden, NSW	* 4.5.65	839			P
36	Jane Speers Beach, NSW	11.5.65	846			P
37	Kiama, NSW	28.9.65	986		62.2	P

Experiment No. TAS 020

Place of release : Port Sorell
 Number of fish released : 80
 Per cent recaptured : 25.0%

Date of release : 16 January 1963
 Lengths : (30 - 36 cm)
 Subspecies : Eastern (100%)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1-6	Ringarooma Bay	2.2.63	9			P
7	Piper River	8.3.63	43			
8	Noland Bay	24.4.63	90			P
9-10	West Sandy Cape	11.5.63	107			P
11	Ringarooma Bay	3.4.64	435		36.2	P
12	Cape Barren Island	7.5.64	469		42.0	P
13	Eden, NSW	* 1.6.64	494			P
14	Croppies Bay	11.6.64	504		43.0	P
15	" "	" "	" "		44.0	P
16-17	Cape Portland	20.12.64	696		38.1	P
18	Lakes Entrance, Vic	* 26.2.65	764		33.7	P
19	Eden, NSW	* 28.4.65	825			P
20	St. Helens	11.5.65	838		43.2	A

Experiment No. **TAS021**

Place of release : Sellars Beach
 Number of fish released : 100
 Per cent recaptured : 33.0%

Date of release : 28 February 1963
 Lengths : (42 - 51 cm)
 Subspecies : Eastern (98%); Western (2%)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Scamander	19.3.63	19		48.3	A
2	Flinders Island	21.3.63	21		53.3	A ?
3	West Sister Island	2.4.63	33		46.0	
4-10	North-east River	* 26.6.63	118			P
11	" "	26.6.63	"			P
12	Babel Island	* 26.6.63	"			P
13-14	Wonboyn, NSW	1.8.63	154			P
15	Anderson Bay	10.11.63	255			P
16	Merimbula, NSW	30.11.63	275		49.0	P
17	Eden, NSW	17.12.63	292			P
18	Mowwarry, NSW	* 18.12.63	293			P
19	Eden, NSW	23.1.64	329			P
20	Lakes Entrance, Vic	30.1.64	336			P
21	"	* 18.4.64	415			P
22	"	25.4.64	422			P
23	"	* 10.5.64	437			P
24	Pambula, NSW	* 21.5.64	448			P
25-27	Eden, NSW	* 23.5.64	450			P
28	Pambula, NSW	24.5.64	451			P
29	Eden, NSW	* 1.6.64	494			P
30-31	Lakes Entrance, Vic	26.6.64	519			P
32	Wonboyn, NSW	28.6.64	521			P
33	Pinnacles Beach, NSW	4.8.64	558		52.0	P

Experiment No. TAS 022

Place of release : Sellars Beach Date of release : 10 March 1963
 Number of fish released : 50 Lengths : (42 - 50 cm)
 Per cent recaptured : 42.0% Subspecies : Eastern (100%)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1-6	North-east River	* 26.6.63	108			P
7-8	Patriarch Point	7.10.63	211		47.0	P
9	Mewtries Beach, NSW	26.11.63	261		50.0	P
10	"	"	"			P
11	Lakes Entrance, Vic	28.12.63	293			P
12	"	30.1.64	326			P
13	Babel Island	18.2.64	345		55.9	A?
14	Eden, NSW	* 1.3.64	357			P
15	Lakes Entrance, Vic	* 2.4.64	389			P
16	Cape Everard, Vic	* 5.5.64	422			P
17	Eden, NSW	* 23.5.64	440			P
18	"	* 1.6.64	449			P
19	"	* 28.6.64	476			P
20	Mbruya, NSW	10.8.64	519			P
21	Cape Conran, Vic	5.1.65	667		60.3	A

Experiment No. TAS 023

Place of release : West Sister Is. Date of release : 2 April 1963
 Number of fish released : 106 Lengths : (43 - 50 cm)
 Per cent recaptured : 15.1% Subspecies : Eastern (100%)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1-6	North-east River	* 26.6.63	85			P
7	Killicrankie Bay	* 3.7.63	92			P
8	Eden, NSW	4.12.63	246			P
9	Eden, NSW	23.1.64	296			P
10	Lakes Entrance, Vic	* 2.4.64	366			P
11	"	* 18.4.64	382			P
12	Pambula, NSW	20.5.64	414			P
13-14	Eden, NSW	* 23.5.64	417			P
15	Pambula, NSW	24.5.64	418			P
16	NSW	* 15.10.65	567			P

Experiment No. TAS 024

Place of release : West Sister Is. Date of release : 2 April 1963
 Number of fish released : 55 Lengths : (42 - 51 cm)
 Per cent recaptured : 32.7% Subspecies : Eastern (95%); Western (5%)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1-3	North-east River	* 22.6.63	85			P
4	Patriarch Point	7.10.63	188		44.0	P
5	Cape Conran, Vic	10.10.63	191			P
6	Anderson Bay	* 18.11.63	230		48.4	P
7	Mewtries Beach, NSW	26.11.63	238		54.0	P
8	Eden, NSW	* 6.1.64	279			P
9	Eden, NSW	20.1.64	293			P
10	Bermagui, NSW	21.1.64	294			P
11-12	Lakes Entrance, Vic	* 18.4.64	382			P
13	Eden, NSW	* 5.5.64	399			P
14	"	18.5.64	412			P
15	Pambula, NSW	* 21.5.64	415			P
16	Eden, NSW	* 23.5.64	417			P
17	Lakes Entrance, Vic	26.6.64	451			P
18	"	10.7.64	465			P

Experiment No. TAS 025

Place of release : Sulphur Creek
 Number of fish released : 100
 Per cent recaptured : 33.0%

Date of release : 31 May 1963
 Lengths : (39 - 48 cm)
 Subspecies : Eastern (100%)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Turners Beach	22.6.63	22		42.0	P
2	Sisters Creek Beach	3.7.63	33		46.4	A
3-10	Stanley	* 22.9.63	114			P
11	Patriarch Point	7.10.63	129		43.0	P
12	Anderson Bay	10.11.63	163			P
13	"	* 14.11.63	167			
14	Lakes Entrance, Vic	28.12.63	211			P
15	Eden, NSW	* 28.2.64	273		48.3	P
16	"	* 1.3.64	275		50.8	P
17	Lakes Entrance, Vic	25.4.64	330			P
18	" "	* 10.5.64	345			P
19	Merimbula, NSW	17.5.64	352			P
20-22	Eden, NSW	18.5.64	353			P
23	"	* 23.5.64	358			P
24	"	* 24.5.64	359			P
25	Tathra, NSW	27.5.64	362			P
26-27	Eden, NSW	* 1.6.64	367			P
28	"	* 20.6.64	386			P
29	Lakes Entrance, Vic	26.6.64	392			P
30	Pinnacles Beach, NSW	31.7.64	427			P
31	Browlee, NSW	14.11.64	533			P
32	Tasmania	* 2.12.64	551			P
33	NSW	* 15.10.65	900			P

Experiment No. TAS 026

Place of release : Anderson Bay
 Number of fish released : 50
 Per cent recaptured : 22.0%

Date of release : 8 June 1963
 Lengths : (35 - 51 cm)
 Subspecies : Eastern (95%); Western (5%)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Turners Beach	22.6.63	14		44.0	P
2	Beauty Point	* 8.7.63	30		30.5	A
3	Lades Beach	1.10.63	115		38.0	P
4	Ringarooma Bay	* 20.11.63	165			P
5	Flinders Island	16.4.64	313		40.6	P
6-7	Croppies Bay	11.6.64	369			P
8	Three Hummock Is.	* 12.12.64	553		40.6	P
9	Eden, NSW	27.4.65	689			P
10	Saltwater Creek, NSW	28.4.65	690			P
11	Eden, NSW	22.5.65	714			P

Experiment No. TAS 027

Place of release : Turners Beach
 Number of fish released : 100
 Per cent recaptured : 35.0%

Date of release : 22 June 1963
 Lengths : (32 - 38 cm)
 Subspecies : Eastern (100%)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Returned by
1-5	Stanley	* 22/09/63	92		P
6	Sisters Cr. Beach	25/9/63	95	34.3	P
7	"	"	"	34.9	P
8	"	"	"	35.6	P
9	Devonport	16/10/63	116	31.7	A
10	Beauty Point	10/11/63	141	35.6	A
11	Devonport	7/12/63	168	33.0	A?
12	Ringarooma Bay	27/3/64	279		P
13	Cape Barren Is.	9/5/64	322	45.0	P
14	Croppies Bay	11/6/64	355		P
15	"	"	"	42.0	P
16	"	"	"	43.0	P
17	V. Lakes Entrance	10/7/64	384		P
18	Swan Island	27/11/64	524	45.7	A
19	Three Hummock Is. *	12/12/64	539	44.4	P
20	"	"	"	46.4	P
21	"	"	"	47.0	P
22	Eden, NSW	* 31.12.64	558		P
23	Ringarooma Bay	* 1/2/65	590	40.6	P
24	"	"	"	41.0	P
25	Lakes Entrance, Vic	8/3/65	625		P
26-27	Eden, NSW	27/4/65	675		P
28-29	"	* 28/4/65	676		P
30	"	1/5/65	679		P
31	"	* 4/5/65	682		P
32	Lakes Entrance, Vic	14/5/65	692		P
33	"	* 15/5/65	693		P
34	Wonboyn, NSW	16/12/65	908		P
35	Eden, NSW	11/6/66	1085		P

Experiment No. TAS 028

Place of release : Port Arthur
 Number of fish released : 50
 Per cent recaptured : 26.0%

Date of release : 13 July 1963
 Lengths : (30 - 58 cm)
 Subspecies : Eastern (95%); Western (5%)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Koonya	* 21.12.63	161			P
2	"	"	"		35.0	P
3-4	"	"	"		36.0	P
5	"	"	"		39.0	P
6	"	6.1.64	177		33.0	P
7	"	"	"		35.0	P
8	Hobart	* 24.1.64	195		50.8	P
9	Blackmans Bay	29.12.64	535			
10	Eden, NSW	16.1.65	553			P
11	"	27.4.65	654			P
12	Slopen Main	20.8.65	769			P
13	Mbruya, NSW	25.9.65	805			P

Experiment No. **TAS 029**

Place of release : North Bay
 Number of fish released : 50
 Per cent recaptured : 14.0%

Date of release : 31 July 1963
 Lengths : (33 - 45 cm)
 Subspecies : Eastern (100%)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	North Bay	31.7.63	0			P
2-3	Koonya	8.12.63	130			P
4	"	6.1.64	159		36.0	P
5	Lakes Entrance, Vic	* 12.7.64	347			P
6	St. Helens	* 30.11.64	488			P
7	Eden, NSW	* 28.4.65	637			P

Experiment No. **TAS 030**

Place of release : St. Helens
 Number of fish released : 58
 Per cent recaptured : 10.3%

Date of release : 7 August 1963
 Lengths : (32 - 47 cm)
 Subspecies : Eastern (100%)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Scamander	14.9.63	38		45.7	A
2	St. Helens	17.9.63	41		47.6	A
3	"	* 27.10.63	81		40.6	A
4	Eden, NSW	* 23.5.64	290			P
5	Wonboyn, NSW	11.8.64	370		53.3	P
6	Eden, NSW	* 31.12.64	512			P

Experiment No. TAS 031

Place of release : Dunalley
 Number of fish released : 100
 Per cent recaptured : 33.0%

Date of release : 29 August 1963
 Lengths : (34 - 46 cm)
 Subspecies : Eastern (100%)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Swansea	24.11.63	87		57.1	A
2	Koonya	8.12.63	101			P
3	Saltwater Creek	20.12.63	113		40.5	P
4	Koonya	*21.12.63	114			P
5	"	"	"		39.0	P
6	"	6.1.64	130		36.0	P
7	"	"	"		40.0	P
8	"	"	"		41.0	P
9	Coles Bay	8.1.64	132			A?
10	Cape Portland	17.2.64	172			P
11	Babel Island	16.4.64	231		47.0	
12	Flinders Island	"	"		45.7	P
13	Eden, NSW	18.5.64	263		46.0	P
14	"	"	"			P
15-16	"	* 23.5.64	268			P
17	"	* 24.5.64	269			P
18	"	"	"		45.0	P
19	"	* 1.6.64	277			P
20	Gabo Island, Vic	27.6.64	303			P
21	Lakes Entrance, Vic	10.7.64	316			P
22	Eddystone Point	5.8.64	342		40.0	A?
23	Wonboyn, NSW	22.9.64	390		48.0	P
24	Moruya, NSW	12.11.64	441			P
25	St. Helens	* 30.11.64	459		43.2	P
26	3 Hummocks Is.	* 12.12.64	471		47.3	P
27-28	Eden, NSW	1.1.65	491			P
29	Moruya, NSW	4.1.65	494			P
30	Pinnacles Beach, NSW	24.2.65	545			P
31-32	Eden, NSW	* 28.4.65	608			P
33	Lakes Entrance, Vic	* 15.5.65	625			P

Experiment No. **TAS 032**

Place of release : Lades Beach
 Number of fish released : 30
 Per cent recaptured : 30.0%

Date of release : 1 October 1963
 Lengths : (33 - 42 cm)
 Subspecies : Eastern (100%)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Ringarooma Bay	5.4.64	187			P?
2	Cape Barren Island	7.5.64	219		40.0	P
3	Croppies Bay	11.6.64	254		41.0	P
4	"	"	"		46.0	P
5	Ringarooma Bay	* 1.2.65	489		44.4	P
6	Lakes Entrance, Vic	19.4.65	566			P
7	Eden, NSW	* 28.4.65	575			P
8	Jane Speers Beach, NSW	11.5.65	588			P
9	Eden, NSW	24.5.65	601			P

Experiment No. **TAS 033**

Place of release : Patriarch Point
 Number of fish released : 15
 Per cent recaptured : 20.0%

Date of release : 7 October 1963
 Lengths : (37 - 52 cm)
 Subspecies : Eastern (100%)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Moruya, NSW	3.5.64	209		46.0	P
2	Lakes Entrance, Vic	10.5.64	216			P
3	Merimbula, NSW	17.5.64	223			P

Experiment No. TAS 034

Place of release : Anderson Bay Date of release : 1 November 1963
 Number of fish released : 205 Lengths : (44 - 55 cm)
 Per cent recaptured : 44.9% Subspecies : Eastern (60%), Western (40%)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1-17	Anderson Bay	10.11.63	9			P
18	"	* 14.11.63	13			
19	Low Head	16.11.63	15	59.7		A
20-21	Anderson Bay	18.11.63	17	42.0		P
22	"	"	"	43.0		P
23-26	"	"	"	44.0		P
27-29	"	"	"	45.0		P
30-32	"	"	"	46.0		P
33	"	"	"	47.0		P
34-36	"	"	"	48.0		P
37	"	"	"	50.0		P
38	"	"	"	40.0		P
39-43	"	"	"			P
44	"	27.11.63	26			P
45	Beauty Point	5.12.63	34	52.1		A
46	Tindorbox	6.1.64	66			
47	Bridport	* 31.1.64	91	49.5		P
48-49	Lakes Entrance, Vic	* 2.4.64	153			P
50-51	"	* 18.4.64	169			P
52	Eden, NSW	21.4.64	172			P
53-57	Lakes Entrance, Vic	10.5.64	191			P
58	"	* 10.5.64	"			P
59-61	Eden, NSW	18.5.64	199			P
62	Pambula, NSW	* 21.5.64	202	51.0		P
63	"	"	"			P
64-71	Eden, NSW	* 23.5.64	204			P
72	Lakes Entrance, Vic	25.5.64	206			P
73	Tathra, NSW	27.5.64	208			P
74	Eden, NSW	* 1.6.64	213			P
75-76	"	* 20.6.64	232			P
77-78	Lakes Entrance, Vic	10.7.64	252			P
79	"	* 12.7.64	254			P
80	Wonboyn, NSW	20.7.64	262			P
81	Moruya, NSW	10.8.64	283			P
82-83	Wonboyn, NSW	15.8.64	288			P
84	Moruya, NSW	8.11.64	373			P
85	Broulee, NSW	14.11.64	379	52.1		P
86	Eden, NSW	16.12.64	411			P
87	Wonboyn	19.12.64	414			P
88	Tasmania	* 31.12.64	426			P
89	Eden, NSW	"	"			P
90	"	16.1.65	442			P
91	Nowra, NSW	* 31.12.65	791			P
92	Moruya, NSW	4.4.66	914			P

Experiment No. **TAS 035**

Place of release : Anderson Bay
 Number of fish released : 150
 Per cent recaptured : 31.3.%

Date of release : 18 November 1963
 Lengths : [30-35 cm (10%); 41-48 cm (90%)]
 Subspecies : Eastern (100%)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Logans Beach, NSW	26.1.64	69			P
2	Merimbala, NSW	3.3.64	106		54.6	A ?
3	Anderson Bay	"	"			P
4	Port Welshpool, Vic	17.3.64	120		47.0	P
5-6	Lakes Entrance, Vic	* 18.4.64	152			P
7	Eden, NSW	22.4.64	156			P
8	Binge Binge Beach, NSW	4.5.64	168		54.0	P
9	Cape Everard, Vic	* 5.5.64	169			P
10	"	10.5.64	174		46.0	P
11	"	"	"		48.0	P
12-13	Eden, NSW	18.5.64	182			P
14	Pambula, NSW	20.5.64	184			P
15	"	* 21.5.64	185			P
16-18	Eden, NSW	* 23.5.64	187			P
19	"	* 24.5.64	188			P
20	Lakes Entrance, Vic	25.5.64	189			P
21	"	29.5.64	193			P
22-23	Eden, NSW	* 1.6.64	196			P
24	Croppies Bay	11.6.64	206		43.0	P
25	"	"	"		45.0	P
26	"	"	"		46.0	P
27	Disaster Bay, NSW	21.6.64	216			P
28	Lakes Entrance, Vic	26.6.64	221			P
29	Gabo Island, Vic	27.6.64	222			P
30-31	Wonboyn, NSW	28.6.64	223			P
32	Lakes Entrance, Vic	10.7.64	235			P
33	"	13.7.64	238			A ?
34	Wonboyn, NSW	20.7.64	245			P
35	Nowra, NSW	* 19.8.64	275			P
36	Wonboyn, NSW	26.10.64	343			P
37	St. Helens	23.11.64	371		48.3	P
38	"	* 30.11.64	378		46.4	P
39	3 Hummocks Is.	* 2.12.64	380		42.9	P
40	Binge Binge Bch	* 9.12.64	387		50.2	P ?
41	3 Hummocks Is.	* 12.12.64	390		42.5	P
42	Flinders Is.	14.2.65	454			P
43	Jane Speers Bch, NSW	11.5.65	540			P
44	Eden, NSW	1.6.65	561			P
45	Currarong Bch, NSW	7.1.66	781		55.9	A
46	Red Head Beach, NSW	29.10.66	1076		58.4	A
47	Two People Bay, WA	22.3.68	1586			P

Experiment No. TAS 036

Place of release : Anderson Bay
 Number of fish released : 100
 Per cent recaptured : 33.0%

Date of release : 27 November 1963
 Lengths : (32 - 43 cm)
 Subspecies : Eastern (100%)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Bridport	* 31.1.64	65			P
2	Tamar River	* 27.2.64	92		45.7	A
3	Ringarooma Bay	3.4.64	128		40.6	P
4	"	"	"			P
5	Flinders Island	16.4.64	141			P
6	Lakes Entrance, Vic	10.5.64	165			P
7	"	* 10.5.64	"			P
8	Eden, NSW	18.5.64	173			P
9-10	Croppies Bay	11.6.64	197			P
11	"	"	"		42.0	P
12	"	"	"		43.0	P
13	Wonboyn, NSW	26.6.64	212			P
14	Lakes Entrance, Vic	"	"			P
15	"	10.7.64	226			P
16	Three Hummock Is.	* 2.12.64	371			P
17-18	"	* 12.12.64	381		43.8	P
19	"	"	"		44.4	P
20	Eden, NSW	* 31.12.64	400			P
21	Logans Beach, NSW	14.1.65	414			P
22	Kiah Beach, NSW	16.1.65	416			P
23	Eden, NSW	10.2.65	441			P
24-25	"	27.4.65	517			P
26-28	"	* 28.4.65	518			P
29	"	1.5.65	521			P
30	Jane Speers, NSW	11.5.65	531			P
31	Lakes Entrance, Vic	14.5.65	534			P
32	Wonboyn, NSW	"	"			P
33	Pambula, NSW	22.10.65	695			

Experiment No. TAS 037

Place of release : Bridport
 Number of fish released : 50
 Per cent recaptured : 28.0%

Date of release : 14 February 1964
 Lengths : (38 - 47 cm)
 Subspecies : Eastern 100%

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Devonport	* 24.2.64	11		48.3	A
2-3	Anderson Bay	3.3.64	19			
4	Devonport	7.3.64	23		46.4	A
5	Tasmania	* 14.3.64	30		48.3	P
6	"	"	"		53.3	P
7	Ringarooma Bay	2.4.64	49			P
8	Croppies Bay	11.6.64	119			A?
9	Lakes Entrance, Vic	26.6.64	134			P
10	Ringarooma Bay	27.10.64	257			A?
11	Eden, NSW	10.2.65	362			P
12	Haycock Beach, NSW	29.3.65	409			P
13	Eden, NSW	27.4.65	438			P
14	Moruya, NSW	16.7.65	518			P

Experiment No. TAS 038

Place of release : Anderson Bay Date of release : 3 March 1964
 Number of fish released : 100 Lengths : (38 - 48 cm)
 Per cent recaptured : 45.0% Subspecies : Eastern (100%)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Ringarooma Bay	27.3.64	24			P
2	Lakes Entrance, Vic	2.4.64	30			P
3-8	Ringarooma Bay	3.4.64	31			P
9	Anderson Bay	"	"			P
10	Lakes Entrance, Vic	* 10.5.64	68			P
11	"	10.5.64	"			P
12-13	Pambula, NSW	17.5.64	75			P
14	Eden, NSW	18.5.64	76			P
15	Pambula, NSW	* 21.5.64	79		47.0	P
16	Lakes Entrance, Vic	29.5.64	87		40.0	P
17	Eden, NSW	* 1.6.64	90			P
18	Croppies Bay	11.6.64	100		41.0	P
19	"	" "	"		44.0	P
20	Lakes Entrance, Vic	15.6.64	104			P
21	Wonboyn, NSW	26.6.64	115			P
22	Lakes Entrance, Vic	"	"			P
23	Eden, NSW	* 28.6.64	117			P
24	Falmouth	5.7.64	124		48.3	A
25-26	Lakes Entrance, Vic	10.7.64	129			P
27	Tamar	11.8.64	161		53.3	A
28	St. Helens	* 18.8.64	168		55.9	P
29	Tasmania	27.10.64	238			P
30	St. Helens	* 30.11.64	272			P
31	3 Hummock Island	* 12.12.64	284		45.7	P
32	Eden, NSW	16.12.64	288			P
33	Wonboyn, NSW	27.12.64	299			P
34	Eden, NSW	1.1.65	304			P
35	Moruya, NSW	4.1.65	307			P
36	Logano Beach, NSW	14.1.65	317			P
37	Eden, NSW	16.1.65	319			P
38	Wonboyn, NSW	25.2.65	359			P
39-41	Eden, NSW	* 28.4.65	421			P
42	"	* 4.5.65	427			
43	Moruya, NSW	16.7.65	500			P
44	Eden, NSW	26.7.65	510		42.5	A
45	"	3.1.67	1036			P

Experiment No. **TAS 039**

Place of release : Ringarooma Bay Date of release : 5 March 1964
 Number of fish released : 50 Lengths : (39 - 49 cm)
 Per cent recaptured : 36.0% Subspecies : Eastern (100%)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Ringarooma Bay	3.4.64	29			P
2	"	5.4.64	31			P?
3	Lakes Entrance, Vic	10.5.64	66			P
4	Pambula, NSW *	21.5.64	77			P
5	Tathra, NSW	27.5.64	83			P
6-7	Croppies Bay	11.6.64	98			P
8	Sydenham Inlet, Vic	15.6.64	102		48.3	A
9	Lakes Entrance, NSW *	12.7.64	129			P
10	Haycock Beach, NSW	1.8.64	149			P
11	Eddystone Point	30.8.64	178		50.8	A?
12	3 Hummocks Is. *	12.12.64	282		45.7	P
13	Pambula, NSW	29.12.64	299			P
14-15	Eden, NSW	1.1.65	302			P
16	Wonboyn, NSW	4.1.65	305			P
17	Racecourse Beach, NSW *	5.3.65	365			P
18	Eden, NSW	27.4.65	418		54.6	P

Experiment No. TAS 040

Place of release : Killiecrankie B. Date of release : 28 March 1964
 Number of fish released : 100 Lengths : [32-42 cm (98%); 45-48 cm (2%)]
 Per cent recaptured : 30.0% Subspecies : Eastern (100%)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	3 Hummocks Is.	* 2.12.64	249		29.2	P
2	"	"	"		33.3	P
3	"	"	"		35.6	P
4-5	"	"	"		36.2	P
6	"	"	"		37.5	P
7	"	"	"		38.4	P
8	"	"	"		46.4	P
9	"	"	"		47.3	P
10	Flinders Island	14.2.65	323			P
11	Babel Island	"	"			P
12	Pinnacles Beach, NSW	24.2.65	333			P
13-15	Eden, NSW	* 28.4.65	396			P
16	Wonboyn, NSW	4.6.65	433			P
17	Moruya, NSW	16.7.65	475			P
18-23	Lakes Entrance, Vic	1.9.65	522			P
24	Moruya, NSW	25.9.65	546			P
25	Wonboyn, NSW	11.12.65	623			P
26	Lakes Entrance, Vic	22.1.66	665		49.5	A
27	Golden Beach, Vic	12.2.66	686			A
28-29	Pambula, NSW	8.6.66	803			P
30	Wonboyn, NSW	1.10.66	918			P

Experiment No. TAS 041

Place of release : Ringarooma Bay
 Number of fish released : 50
 Per cent recaptured : 36.0%

Date of release : 2 April 1964
 Lengths : [28-35 cm (23%); 36-47 cm (77%)]

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1-4	Ringarooma Bay	3.4.64	1			P
5	"	"	"		39.4	P
6-7	Flinders Island	16.4.64	14			P
8	Croppies Bay	11.6.64	70		36.0	P
9	"	"	"		39.0	P
10	"	"	"			P
11-12	Ringarooma Bay	* 1.2.65	310			P
13	Eden, NSW	10.2.65	319			P
14	"	* 28.4.65	391			P
15	Lakes Entrance, Vic	* 15.5.65	408			P
16	Moruya, NSW	4.6.65	428			P
17	Eden, NSW	5.6.65	429			P
18	Moruya, NSW	16.7.65	470			P

Experiment No. **TAS 042**

Place of release : Babel Island

Date of release : 16 April 1964

Number of fish released : 100

Lengths : (40 - 50 cm)

Per cent recaptured : 41.0%

Subspecies : Eastern (100%)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Eden, NSW	* 5.5.64	19			P
2	Cape Barren Island	9.5.64	23		47.0	P
3-4	Lakes Entrance, Vic	10.5.64	24			P
5-6	"	* 10.5.64	"			P
7	Eden, NSW	18.5.64	32			P
8	Pambula, NSW	* 21.5.64	35			P
9	Iron Prince Reef, NSW	20.6.64	65			P
10-12	Lakes Entrance, Vic	26.6.64	71			P
13	Wonboyn, NSW	28.6.64	73			P
14	Eden, NSW	* 28.6.64	"			P
15	Lakes Entrance, Vic	10.7.64	85			P
16	"	* 12.7.64	87		35.6	A
17	"	"	"		39.4	A
18	Pinnacles Beach	4.8.64	110			P
19	Stanley	30.8.64	136		44.4	A
20	Tasmania	16.11.64	214		50.8	P
21	Wreck Bay, NSW	1.12.64	229		57.3	P
22	3 Hummock Is.	* 2.12.64	230		37.5	P
23	"	* 12.12.64	240		47.3	P
24	"	"	"		41.9	P
25	"	"	"		46.4	P
26	"	"	"		48.6	P
27	" "	"	"			P
28-29	Eden, NSW	1.1.65	260			P
30	"	4.1.65	263			P
31	Wonboyn, NSW	13.1.65	272			P
32	Logans Beach, NSW	14.1.65	273			P
33	Eden, NSW	16.1.65	275			P
34	Pinnacles Beach, NSW	24.2.65	314			P
35	Haycock Beach, NSW	29.3.65	347			P
36	Eden, NSW	* 28.4.65	377			P
37	"	1.5.65	380			P
38	"	15.5.65	394			P
39	Nowra, NSW	* 26.5.65	405			P
40	"	* 31.12.65	624			P
41	Newcastle, NSW	7.5.68	1452		64.8	A

Experiment No. TAS 043

Place of release : Cameron Inlet Date of release : 12 May 1964
 Number of fish released : 98 Lengths : (40 - 49 cm)
 Per cent recaptured : 19.4% Subspecies : Eastern (100%)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Lakes Entrance, Vic	29.5.64	17		44.0	P
2	Wonboyn, NSW	26.6.64	45			P
3	Cape Conran, Vic	3.7.64	52			P
4	Marlo, Vic	16.8.64	96	54.0		A
5	Wreck Bay, NSW	24.11.64	196	54.6		P ?
6	3 Hummocks Is.	2.12.64	204	45.7		P
7	"	"	"	41.9		P
8	"	* 2.12.64	"	41.9		P
9	"	* 12.12.64	214	48.3		P
10	"	"	"	45.1		P
11	Eden, NSW	29.12.64	231			P
12	Wonboyn, NSW	13.1.65	246			P
13	Saltwater Creek, NSW	10.2.65	274			P
14	Wonboyn, NSW	26.2.65	290			P
15	Eden, NSW	* 28.4.65	351			P
16	"	1.5.65	354			P
17	"	3.5.65	356			P
18	NSW	* 31.5.66	750			P
19	Newcastle, NSW	9.12.66	945			A

Experiment No. **TAS 044**

Place of release : Tar Point
 Number of fish released : 36

Date of release : 7 May 1964
 Lengths : [26-29 cm (3%); 32-39 cm (42%);
 40-49 cm (55%)]
 Subspecies : Eastern (100%)

Per cent recaptured : 33.3%

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	3 Hummocks Island	* 12.12.64	219		46.4	P
2	Eden, NSW	* 31.12.64	238			P
3	Handkerchief Bay, NSW	5.1.65	243		55.9	A
4	Logans Beach, NSW	14.1.65	252			P
5	Flinders Island	14.2.65	283			P
6	Eden, NSW	* 15.5.65	373			P
7	"	15.5.65	"			P
8	Merimbula, NSW	20.5.65	378		53.0	A
9	Mbruya, NSW	16.7.65	435			P
10-11	"	25.9.65	506			P
12	Lakes Entrance, Vic	3.1.66	606		50.8	A

Experiment No. **TAS 045**

Place of release : St. Helens
 Number of fish released : 64
 Per cent recaptured : 42.2%

Date of release : 22 May 1964
 Lengths : (40 - 51 cm)
 Subspecies : Eastern (100%)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	St. Helens	10.10.64	141		43.2	A
2	"	* 30.11.64	192			P
3-4	"	"	"		44.4	P
5	"	"	"		40.6	P
6	"	"	"		45.7	P
7	3 Hummocks Is.	* 12.12.64	204		44.8	P
8	"	"	"		45.1	P
9	"	"	"		47.0	P
10	Eden, NSW	16.12.64	208			P
11	Pambula, NSW	29.12.64	221			P
12-16	Eden, NSW	* 31.12.64	223			P
17	Mbruya, NSW	4.1.65	227			P
18	Eden, NSW	"	"			P
19	Kiah Beach, NSW	16.1.65	239			P
20	Eden, NSW	10.2.65	264			P
21	"	* 28.4.65	341			P
22	Jane Speers Bch, NSW	11.5.65	354			P
23	Nowra, NSW	* 26.5.65	369			P
24	Eden, NSW	1.6.65	375			P
25	Adventure Bay	22.7.65	426			A?
26	Mbruya, NSW	25.9.65	491			P
27	Newcastle, NSW	4.5.66	703		63.5	A

Experiment No. TAS 046

Place of release : Croppies Beach Date of release : 11 June 1964
 Number of fish released : 100 Lengths : (27 - 51 cm)
 Per cent recaptured : 32.0% Subspecies : Eastern (100%)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Croppies Bay	11.6.64	0			P
2	St. Helens	18.8.64	68		50.8	P
3	Tasmania	27.10.64	138			P
4	Anderson Bay	1.11.64	143		47.0	A
5	St. Helens	* 30.11.64	172			P
6	3 Hummock Is.	* 2.12.64	174		41.9	P
7	"	"	"		42.2	P
8	"	"	"		42.5	P
9	"	"	"		44.8	P
10	"	"	"		46.0	P
11	Cape Portland	20.12.64	192		41.9	P
12	Eden, NSW	* 31.12.64	203			P
13	Wonboyn, NSW	13.1.65	216			P
14	Logans Beach, NSW	14.1.65	217			
15	Cape Portland	* 15.1.65	218			P
16	Eden, NSW	16.1.65	219			P
17	"	25.1.65	228			P
18-19	"	10.2.65	244			P
20	Flinders Is.	14.2.65	248			P
21	Lakes Entrance, Vic	19.4.65	312			P
22	Eden, NSW	27.4.65	320			P
23	Wonboyn, NSW	14.5.65	337			P
24	Saltwater Creek, NSW	27.5.65	350			P
25	Lakes Entrance, Vic	* 5.6.65	359			P
26-28	Moruya, NSW	25.9.65	471			P
29	Merimbula, NSW	7.11.65	514			P
30	Babel Island	7.6.66	727			P
31	Eden, NSW	11.6.66	731			P
32	"	3.12.66	906			P

Experiment No. **TAS 047**

Place of release : St. Helens
 Number of fish released : 100
 Per cent recaptured : 32.0%

Date of release : 18 August 1964
 Lengths : (38 - 49 cm)
 Subspecies : Eastern (100%)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	St. Helens	* 18.7.64	0		43.2	P
2	"	* 25.7.64	7		43.8	P
3	"	"	"		44.4	P
4	"	"	"		45.7	P
5	"	25.7.64	"		49.5	P
6	Falmouth	20.9.64	33		43.2	A
7	"	"	"		45.7	A
8	Low Head	2.11.64	76		48.3	A
9	St. Helens	"	"		41.9	A
10	3 Hummock Is.	* 12.12.64	116		43.2	P
11	"	"	"		48.3	P
12	Cape Portland	20.12.64	124		38.1	P
13	Eden, NSW	* 31.12.64	135			P
14	"	1.1.65	136			P
15	Wonboyn, NSW	25.1.65	160			P
16-18	Eden, NSW	10.2.65	176			P
19	Lakes Entrance, Vic	21.3.65	215			P
20	Eden, NSW	27.4.65	252			P
21-27	"	* 28.4.65	253			P
28	Saltwater Creek, NSW	28.4.65	"			P
29	Jane Speers Beach, NSW	11.5.65	266			P
30	Eden, NSW	* 21.5.65	276			P
31	Mbruya, NSW	25.9.65	403			P
32	Wonboyn, NSW	12.10.65	420			P

Experiment No. **TAS 048**

Place of release : Phoques Bay Date of release : 10 October 1964
 Number of fish released : 52 Lengths : 29 - 41 cm (44)
 Per cent recaptured : 17.3% Subspecies : Eastern (70%); Western (30%)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Lakes Entrance, Vic *	5.6.65	238	36.0		P
2	"	"	"	37.0		P
3	"	13.1.66	460	36.0	46.4	A
4	Kiah Beach, NSW	8.2.66	486	38.0		P
5	Ninety Mile Bch, Vic	7.5.66	575	30.0		A
6	Wonboyn, NSW	3.6.66	602	37.0		P?
7	Eden, NSW	11.6.66	610			P
8	"	31.1.67	844	34.0		P
9	Durras North, NSW	10.2.68	1219		50.8	A

Experiment No. **TAS 049**

Place of release : Martha Lavinia Beach Date of release : 11 October 1964
 Number of fish released : 8 Lengths : 28 - 40 cm (7)
 Per cent recaptured : 25.0% Subspecies : Eastern (57%); *Western (43%)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
* 1	Victor Harbour, SA	25.4.66	562	28.0	44.4	A
2	Eden, NSW	5.6.66	603			P

Experiment No. **TAS 050**

Place of release : Martha Lavinia Beach Date of release : 14 October 1964
 Number of fish released : 17 Lengths : 25 - 40 cm (17)
 Per cent recaptured : 23.5% Subspecies : +Eastern (59%);
 *Western (41%)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
+1	Eden, NSW	27.4.65	195	37.0		P
+2	Jane Speers Beach, NSW	11.5.65	209	40.0		P
*3	Port Fairy, Vic	22.12.65	434	27.0	41.9	A
*4	Wedge Island, SA	9.7.68	1364	29.0		P

Experiment No. **TAS 051**

Place of release : Surprise Bay Date of release : 16 October 1964
 Number of fish released : 34 Lengths : (25 - 35 cm)
 Per cent recaptured : 20.6%

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Pegs Beach	* 15.1.65	91		38.1	P
2	Eden, NSW	1.5.65	197			P
3	Lakes Entrance, Vic	*15.5.65	211			P
4	Saltwater Creek, NSW	27.5.65	223			P
5	Port Welshpool, Vic	11.1.66	452			P
6	Pinnacles Beach, NSW	8.5.66	569			P
7	Wonboyn, NSW	3.1.67	809			P

Experiment No. **TAS 052**

Place of release : Cape Wickham Date of release : 17 October 1964
 Number of fish released : 3 Lengths : 28 - 29 cm (3)
 Per cent recaptured : 33.3% Subspecies : *Eastern (67%); Western (33%)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Returned by
*1	Cape Everard, Vic	30.4.68	1291	29.0	P

Experiment No. **TAS 053**

Place of release : Rocky Cape Date of release : 17 October 1964
 Number of fish released : 6 Lengths : 28 - 39 cm (6)
 Per cent recaptured : 33.3% Subspecies : *Eastern (50%); Western (50%)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Returned by
*1	Lakes Entrance, Vic	1.9.65	319	39.0	P
*2	Eden, NSW	11.6.66	602	36.0	P

Experiment No. **TAS 054**

Place of release : Rocky Cape Date of release : 18 October 1964
 Number of fish released : 2 Lengths : 31 - 43 cm (2)
 Per cent recaptured : 0% Subspecies : Western (100%)

Experiment No. **TAS 055**

Place of release : Martha Lavinia Beach
 Number of fish released : 4
 Per cent recaptured : 25.0%

Date of release : 18 October 1964
 Lengths : (30cm)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Eden, NSW	22.5.65	216			P

Experiment No. **TAS 056**

Place of release : Fraser River
 Number of fish released : 5
 Per cent recaptured : 40.0%

Date of release : 18 October 1964
 Lengths : (25-30 cm)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Lakes Entrance, Vic	1.9.65	318			P
2	Wonboyn, NSW	8.12.67	1146			P

Experiment No. **TAS 057**

Place of release : Surprise Bay
 Number of fish released : 62
 Per cent recaptured : 12.9%

Date of release : 19 October 1964
 Lengths : (30 - 45 cm)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Ringarooma Bay	* 1.2.65	105		40.0	P
2	Lakes Entrance, Vic	* 5.3.65	137			P
3	Jane Speers Bch, NSW	11.5.65	204			P
4-5	Eden, NSW	* 21.5.65	214			P
6	"	4.6.65	228			P
7	"	1.1.67	804			P
8	"	3.1.67	806			P

Experiment No. **TAS 058**

Place of release : Surprise Bay
 Number of fish released : 6
 Per cent recaptured : 16.7%

Date of release : 20 October 1964
 Lengths : (25-35 cm)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Bremer Bay, WA	* 27.3.67	887			P

Experiment No. **TAS 059**

Place of release : Surprise Bay
 Number of fish released : 1
 Per cent recaptured : 0%

Date of release : 21 October 1964

Experiment No. **TAS 060**

Place of release : Surprise Bay
 Number of fish released : 1
 Per cent recaptured : 0%

Date of release : 22 October 1964
 Lengths :

Experiment No. **TAS 061**

Place of release : Surprise Bay
 Number of fish released : 119
 Per cent recaptured : 7.6%

Date of release : 23 October 1964
 Lengths : (35-45cm)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Clark Island	3.2.65	103		45.7	P
2	Surprise Bay	3.3.65	131			P
3	Lakes Entrance, Vic *	2.5.65	191			P
4	Jane Speers Bch, NSW	11.5.65	200			P
5	Eden, NSW	* 15.5.65	204			P
6	Moruya, NSW	16.7.65	266			P
7	Eden, NSW	4.6.66	589			P
8	Wonboyn, NSW	1.10.66	708			P
9	Port Lincoln, SA	21.11.66	759			P

Experiment No. **TAS 062**

Place of release : Martha Lavinia Beach
 Number of fish released : 18
 Per cent recaptured : 22.2%

Date of release : 25 October 1964
 Lengths : 27 - 39 cm (15)
 Subspecies : Eastern (53%); Western (47%)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Saltwater Creek, NSW	27.5.65	214	39.0		P
2	Eden, NSW	2.9.65	312	38.0		P
3	Black Head, NSW	10.5.66	562			P
4	Sandy Point, Vic	1.6.66	584	29.0	49.5	A?

Experiment No. TJ 007

Place of release : Port Sorell
 Number of fish released : 2
 Per cent recaptured : 0%

Date of release : 10 December 1962
 Lengths : 14.2 - 15.4 cm
 Tag type : Dart

Experiment No. TJ 014

Place of release : Port Sorell
 Number of fish released : 20
 Per cent recaptured : 15.0%

Date of release : 6 January 1963
 Lengths : 13.8 - 17.7 cm (19),
 20.6 cm (1)
 Tag type : Dart

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Port Sorell	12.1.63	6	15.3	17.8	A
2	"	24.1.63	18	16.9		A
3	"	10.2.63	35	17.7	17.8	A

Experiment No. TJ 023

Place of release : Stanley
 Number of fish released : 17
 Per cent recaptured : 0%

Date of release : 4 February 1963
 Lengths : 16.5 - 24.0 cm
 Tag type : Dart

Experiment No. **TJ 027**

Place of release : St. Helens
 Number of fish released : 5
 Per cent recaptured : 0%

Date of release : 1 March 1963
 Lengths : 25.5. - 30.0
 Tag type : Dart

Experiment No. **TJ 034**

Place of release : St. Helens
 Number of fish released : 6
 Per cent recaptured : 16.7%

Date of release : 25 March 1963
 Lengths : 21.3 - 23.3 cm
 Tag type : Dart

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Returned by
1	St. Helens	13.5.63	49	22.7	A

Experiment No. **TJ 051a**

Place of release : Stanley
 Number of fish released : 31
 Per cent recaptured : 0%

Date of release : 9 July 1963
 Lengths : 14.1 - 16.9 cm
 Tag type : Dart

Experiment No. **TJ 058**

Place of release : Stanley
 Number of fish released : 1
 Per cent recaptured : 0%

Date of release : 8 August 1963
 Lengths : 20.8 cm
 Tag type : Dart

Experiment No. TJ 060

Place of release : Dunalley
 Number of fish released : 72
 Per cent recaptured : 5.6%

Date of release : 21 August 1963
 Lengths : 12.4 - 18.2 cm
 Tag type : Dart

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Dunalley	21.9.63	31	15.2	14.8	
2	"	"	"	14.5	14.2	
3	"	22.9.63	32	14.9	15.0	P
4	"	"	"	16.5	16.5	P

Experiment No. TJ 061

Place of release : Orford
 Number of fish released : 3
 Per cent recaptured : 0%

Date of release : 25 August 1963
 Lengths : 12.5 - 13.5 cm
 Tag type : Dart

Experiment No. TJ 062

Place of release : St. Helens
 Number of fish released : 41
 Per cent recaptured : 0%

Date of release : 27 August 1963
 Lengths : 13.2-18.9 cm (39); 24.2-24.4 cm (2)
 Tag type : Dart

Experiment No. TJ 063

Place of release : Stanley
 Number of fish released : 139
 Per cent recaptured : 5.0%

Date of release : 29 August 1963
 Lengths : 10.9-18.8 cm (138); 23.5 (1)
 Tag type : Dart

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Detention River	6.10.63	38	15.8	17.8	A
2	"	"	"	16.2	19.1	A
3	"	13.10.63	45	14.9	15.2	A
4	"	16.10.63	48	18.8	15.2	P
5	"	4.11.63	66	15.6	15.2	A
6	"	30.11.63	93	16.0	18.4	A
7	"	* 20.12.63	133	16.5		A

Experiment No. **TJ 065**

Place of release : Port Sorell
 Number of fish released : 100
 Per cent recaptured : 1.0%

Date of release : 3 September 1963
 Lengths : 9.8 - 16.8 cm
 Tag type : Dart

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Rubicon River	2.11.63	60	16.8	16.5	A?

Experiment No. **TJ 067**

Place of release : Dunalley
 Number of fish released : 85
 Per cent recaptured : 0%

Date of release : 21 September 1963
 Lengths : 14.8 - 17.8 cm
 Tag type : Dart

Experiment No. **TJ 069**

Place of release : St Helens
 Number of fish released : 10
 Per cent recaptured : 10.0%

Date of release : 26 September 1963
 Lengths : 21.9 - 29.6 cm
 Tag type : Dart

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	St Helens	14.11.63	49	28.6		A

Experiment No. **TJ 074**

Place of release : Dunalley
 Number of fish released : 20
 Per cent recaptured : 5.0%

Date of release : 17 October 1963
 Lengths : 15.0 - 18.7 cm
 Tag type : Dart

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Cremorne Beach	* 17.12.63	60	18.6		A

Experiment No. TJ 080

Place of release : Barnes Bay
 Number of fish released : 200
 Per cent recaptured : 3.0%

Date of release : 1 November 1963
 Lengths : (14.1 - 18.0 cm)
 Tag type : Dart

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Barnes Bay	21.11.63	20		15.4	P
2	"	"	"		16.1	P
3	Hobart	8.12.63	37			A
4	Cornelian Bay	"	"			A
5	Barnes Bay	2.1.64	62		22.9	P
6	"	* 12.1.64	72			A

Experiment No. TJ 082

Place of release : Orford
 Number of fish released : 6
 Per cent recaptured : 16.7%

Date of release : 7 November 1963
 Lengths : 12.4 - 16.2 cm
 Tag type : Dart

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Orford	7.1.64	61	14.7	15.2	P

Experiment No. TJ 084

Place of release : Port Sorell
 Number of fish released : 174
 Per cent recaptured : 1.7%

Date of release : 11 November 1963
 Lengths : (11.7 - 16.3 cm)
 Tag type : Dart

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Port Sorell	1.12.63	20		16.2	P
2	"	"	"		15.0	P
3	"	7.12.63	26		19.1	A

Experiment No. TJ 085

Place of release : Wynyard
 Number of fish released : 13
 Per cent recaptured : 7.7%

Date of release : 12 November 1963
 Lengths : 10.5 - 14.1 cm
 Tag type : Dart

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Inglis Estuary	* 15.11.63	3	12.6	18.4	A

Experiment No. TJ 088

Place of release : Barnes Bay
 Number of fish released : 15
 Per cent recaptured : 0%

Date of release : 21 November 1963
 Lengths : 17.2-17.4 cm (2); 22.8-26.6 cm (1)
 Tag type : Dart

Experiment No. TJ 089

Place of release : Dunalley
 Number of fish released : 27
 Per cent recaptured : 0%

Date of release : 23 November 1963
 Lengths : 15.1 - 20.5 cm
 Tag type : Dart

Experiment No. TJ 092a

Place of release : St. Helens
 Number of fish released : 5
 Per cent recaptured : 20.0%

Date of release : 27 November 1963
 Lengths : 16.2 - 18.8 cm
 Tag type : Dart

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	St Helens	7.12.63	9	18.8	20.3	A

Experiment No. TJ 092b

Place of release : St. Helens
 Number of fish released : 13
 Per cent recaptured : 0%

Date of release : 28 November 1963
 Lengths : 15.0 - 18.6 cm
 Tag type : Dart

Experiment No. TJ 093

Place of release : Port Sorell
 Number of fish released : 156
 Per cent recaptured : 3.9%

Date of release : 1 December 1963
 Lengths : (12.9 - 18.7 cm)
 Tag type : Dart

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Port Sorell	1.12.63	0		13.9	P
2	Rubicon River	12.12.63	11		17.8	A
3	"	22.12.63	21		15.2	A
4	Port Sorell	14.1.64	44		14.4	P
5	Rubicon River	* 30.1.64	60			A
6	Port Sorell	20.12.64	385			A

Experiment No. TJ 094

Place of release : Sisters Beach
 Number of fish released : 57
 Per cent recaptured : 8.8%

Date of release : 2 December 1963
 Lengths : (16.4 - 21.2 cm)
 Tag type : Dart

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Sisters Beach	18.12.63	16			P
2	"	"	"			P
3	"	7.1.64	36			A
4	"	12.1.64	41			P
5	Inglis River	26.1.64	55		19.1	A?

Experiment No. TJ 095

Place of release : Wynyard
 Number of fish released : 20
 Per cent recaptured : 20.0%

Date of release : 3 December 1963
 Lengths : 16.4 - 20.0 cm
 Tag type : Dart

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Wynyard	25.12.63	22	17.5	17.8	A
2	"	30.12.63	27	17.7		A
3	"	6.1.64	28	17.5	17.8	A
4	"	?	?		19.1	A

Experiment No. TJ 099

Place of release : Dunalley
 Number of fish released : 3
 Per cent recaptured : 0%

Date of release : 6 January 1964
 Lengths : 16.4 - 18.0 cm
 Tag type : Dart

Experiment No. TJ 102

Place of release : St Helens
 Number of fish released : 6
 Per cent recaptured : 0%

Date of release : 12 January 1964
 Lengths : 19.9 - 21.8 cm
 Tag type : Dart

Experiment No. **TJ 103**

Place of release : Port Sorell
 Number of fish released : 1
 Per cent recaptured : 0%

Date of release : 15 January 1964
 Lengths : 14.9 cm
 Tag type : Dart

Experiment No. **TJ 104**

Place of release : Wynyard
 Number of fish released : 1
 Per cent recaptured : 100%

Date of release : 16 January 1964
 Lengths : 27.6 cm
 Tag type : Dart

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Wynyard	16.1.64	0	27.6		P ?

Experiment No. **TJ 107**

Place of release : Stanley
 Number of fish released : 86
 Per cent recaptured : 0%

Date of release : 28 February 1964
 Lengths : (21.9 - 27.1 cm)
 Tag type : Dart

Experiment No. **TJ 110**

Place of release : St. Helens
 Number of fish released : 7
 Per cent recaptured : 0%

Date of release : 5 March 1964
 Lengths : 21.4 - 23.5 cm
 Tag type : Dart

Experiment No. TJ 110a

Place of release : St Helens
 Number of fish released : 366
 Per cent recaptured : 13.1%

Date of release : 6 March 1964
 Lengths : (19.0 - 28.8 cm)
 Tag type : Dart

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1-4	St. Helens	* 11.3.64	5			A?
5	"	12.3.64	6			A
6-9	Georges Bay	21.3.64	15			A
10	St. Helens	"	"		26.7	A
11	"	25.3.64	19		24.4	A
2-17	"	27.3.64	21			A
18	"	28.3.64	22		27.9	A
9-21	"	* 28.3.64	"			A
22	"	30.3.64	24		26.7	A
23	"	* 3.4.64	28			A
4-25	"	8.4.64	33			A
26	"	14.4.64	39		27.9	A
27	Georges Bay	18.4.64	43			A
28	"	* 30.4.64	55			A?
29	St. Helens	11.5.64	66			A?
30	"	14.5.64	69		26.7	A
31	"	"	"			A
32	"	* 23.5.64	78		24.1	A
33	Georges Bay	1.6.64	87			P
4-35	St. Helens	* 2.6.64	88		22.9	P
36	Eddystone Point	"	"		24.1	P
37	Georges Bay	7.6.64	93			A
8-40	"	30.6.64	116			A?
41	St. Helens	"	"		26.7	A
42	Georges Bay	* 25.8.64	172			A?
43	"	29.9.64	207		27.3	A
44	St. Helens	31.10.64	239		26.7	A
5-46	Georges Bay	11.11.64	250			A
47	St. Helens	13.12.64	282		33.0	A
48	Georges Bay	24.1.65	324			A

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