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**Tagging Experiments on Australian Salmon  
(*Arripis trutta esper*): Recapture Data for  
Western Australian Releases, 1945 to 1976**

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Tagging Experiments on Australian Salmon  
(*Arripis trutta esper*): Recapture Data for  
Western Australian Releases, 1945 to 1976

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**Abstract** Of 8992 tagged Australian salmon (*Arripis trutta esper*) liberated in Western Australia between 1945 and 1976, 2283 have been recaptured to date (February 1988). The date and place of release and, where known, the age and length at release are given. The recapture information includes, where known, tag type, locality, date, age and/or length, and whether the return was made by amateur or professional fishermen.

## Introduction

During CSIRO investigations into the biology of Australian salmon, many tagged fish were released between 1945 and 1955 (experiments WA001 to WA059; 2487 releases and 506 recaptures), 1963 and 1967 (experiments WA060 to WA103; 6293 releases and 1718 recaptures), and 1975 and 1976 (experiments WA104 to WA117; 212 releases and 59 recaptures). The resulting information has not been fully analysed (see references). To make further analyses of the data possible, and to provide a historic record, the data are listed in a common format with the fullest information that could be extracted from CSIRO Division of Fisheries Research divisional records.

## Data format

Fish length measurements are from the snout to the caudal fork. Lengths at release are accurate, as the fish were measured by scientific staff. Before experiment WA060, most recaptured fish were probably measured by amateur or professional fishermen, so some measurements are likely to be inaccurate. After experiment WA060, more of the recaptured fish were measured by scientific staff based at a local cannery, but unfortunately these measurements cannot be separated from those made elsewhere.

The length composition of fish released in each experiment is recorded in various ways as:-

- a) Numbers within modal length groups, the modes being determined by the inspection of length-frequency graphs constructed from measurements taken from all or some of the fish tagged.
- b) Percentages within modal length groups (in square brackets) determined from separate subsamples of fish not tagged.
- c) Estimated total length ranges (in parentheses) determined from separate subsamples of fish not tagged.

For some experiments no length information was recorded at release.

From experiment WA104, onwards, the age composition of released fish is given. This was determined by reading scale samples, usually taken from every fifth fish tagged and applying the resulting age information to length-frequency modes.

Up to experiment WA059, a variety of tag types were used. Where more than one type was used in an individual experiment, returns for each type are noted. Full details of the various types of tags used are listed in Thomson (1963) and Stanley (1983).

From experiment WA051, no tag types are listed as only the internal tag with an attached streamer was used. (Internal tags used in earlier experiments did not have a streamer.)

All release and recapture localities are plotted in Figure 1. Experiment numbers relating to individual release localities are listed in Table 1.

Table 1. Index of release localities

<u>Locality</u>	<u>Experiment Numbers</u>
Alexander Bay	WA 102, 105, 114, 115, 117
Boat Harbour West	WA 030
Bremer Bay	WA 012, 060, 061, 066, 067, 075
Bunbury Harbour	WA 090, 091
Bunker Bay	WA 073
Cape Le Grand	WA 031, 101, 106
Cape Riche	WA 032, 033
Cheyne Bay	WA 100, 116
Cheyne Beach	WA 005, 016, 024, 039-042, 049-052, 055-057, 062-065, 068-070, 076-078
Eagle Bay	WA 054, 059, 072, 074, 080, 081
Fremantle Harbour	WA 098, 099
Hamlin Bay	WA 027, 028, 047
Hopetown	WA 001-004, 006-011, 014, 015, 017-021
Irwin Inlet	WA 088, 089
Israelite Bay	WA 104, 107-113
Leschenault Inlet	WA 092-097
Mississippi Bay	WA 103
Nanarup	WA 048, 084, 085
Parrys Inlet	WA 025, 026, 029, 034-038, 043-046, 053
Pasley Island	WA 013
Peaceful Bay	WA 071, 079
Smith Beach	WA 058
Tagon Harbour	WA 022, 023
Taylor Inlet	WA 082, 083, 086
Wilson Inlet	WA 087

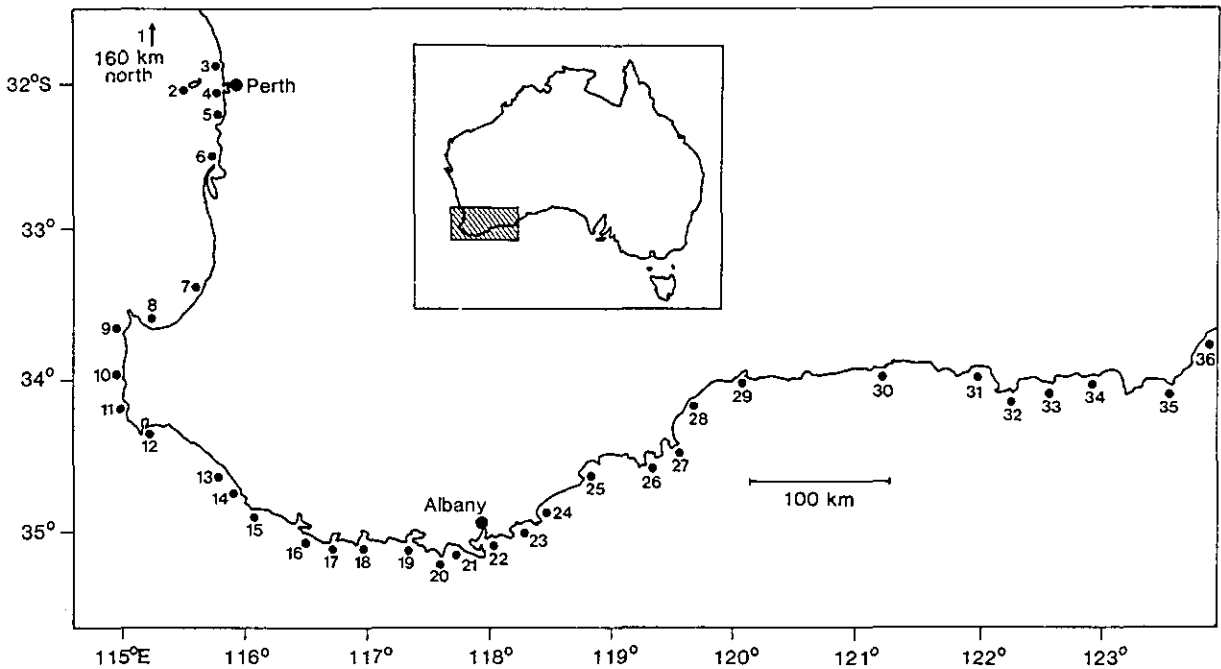


Figure 1 Western Australian release and recapture locations

Albany	21	Golden Bay	3	Quindalup	9
Alexander Bay	34	Goode Beach	20	Reef Beach	26
Augusta	12	Hamelin Bay	11	Rockingham	5
Barker Inlet	30	Haul Off Rock	25	Rossiter Bay	32
Betty Bay	23	Hopetown	29	Rottneest Island	2
Boat Harbour East	25	Hunts Cannery, Albany	21	Safety Bay	5
Boat Harbour West	18	Irwin Inlet	18	Salmon Bay	26
Bonito Beach	19	Israelite Bay	36	Scarborough	3
Boranup	11	Kilcarnup	9	Singleton Beach	5
Bornholm	19	Leschenault Inlet	7	Smith Beach	9
Bremer Bay	26	Lights Beach	19	Tagon Harbour	34
Bunbury	7	Mandurah	6	Taylor's Inlet	34
Bunker Bay	8	Margaret River	10	Tooregullup	27
Burselton	8	Marlanup	14	Torbay	19
Cape Adieu	37	Meelup	8	Triglow	27
Cape Le Grand	32	Mississippi Bay	32	Two People Bay	23
Cape Naturaliste	9	Mutton Bird Island	19	Waikiki	5
Cape Riche	25	Nanarup	22	Walpole Inlet	17
Castle Rock	8	Nornalup	17	Wambo Sound	5
Chatham Island	16	North Stony Island	21	Warren River	13
Cheyne Bay	33	Ocean Beach	19	Waychinicup	23
Cheyne Beach	24	Oyster Harbour	22	Wedge Island	1
City Beach	3	Pallinup	25	West Garden Island	5
Cliffy Head	16	Palm Beach	5	William Bay	18
Cockburn Sound	5	Parry Inlet	18	Wilson Inlet	19
Cottesloe Beach	3	Pasley Island	35	Wharton	33
Denmark	19	Peaceful Bay	18	Woodmans Point	5
Dillon Bay	26	Peppermint Beach	26	Yallingup	9
Doubtful Island Bay	27	Point Charles	28		
Duke of Orleans Bay	33	Point			
Dunns Rock	31	D'Entrecasteaux	15		
Dunsborough	8	Point Walter	5		
Eagle Bay	8				
Esperance	31				
Fosters Beach	25				
Fremantle	4				

Column symbols

- \* in "date of recapture" column: date is approximate
- + in "date of recapture" column: date when the tag was returned, actual capture date is usually one to five days earlier
- # in "age at release" or "age at recapture" column: fish were aged directly from scale samples
- + in "age at release" column: age at release was estimated from a separate subsample of fish
- A,P in "returned by" column: tag was returned by an amateur or professional fisherman
- In, Op, Pe in "recapture number column of Experiments WA 032 - 049:  
In = internal tag; Op = operculum tag; Pe = Petersen tag

References

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## **Tagging Experiments**

**WA 001 to WA 117**



## Experiment No. WA 001

Place of release : Hopetown  
 Number of fish released : 47  
 Per cent recaptured : 21.3%

Date of release : 17 November 1945  
 Lengths : 62-75 cm (7)  
 Tag type : Operculum

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Hopetown	1.12.45	14	70.0	-	P
2	"	"	"	62.0	-	P
3-8	"	"	"	-	-	P
9-10	"	2.12.45	15	-	-	P

## Experiment No. WA 002

Place of release : Hopetown  
 Number of fish released : 27  
 Per cent recaptured : 3.7%

Date of release : 12 February 1946  
 Lengths : 61-72 (27)  
 Tag type : Operculum

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Hopetown	20.2.46	8	71.0	-	-

## Experiment No. WA 003

Place of release : Hopetown  
 Number of fish released : 22  
 Per cent recaptured : 40.9%

Date of release : 13 February 1946  
 Lengths : 61-73 (22)  
 Tag type : Operculum

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Hopetown	20/2/46	7	65.5	-	-
2	"	"	"	70.0	-	-
3	"	"	"	71.0	-	-
4	"	"	"	66.0	-	-
5	"	"	"	69.0	-	-
6	"	"	"	65.5	-	-
7	"	"	"	59.5	-	-
8	"	"	"	67.5	-	-
9	"	"	"	68.0	-	-

## Experiment No. WA 004

Place of release : Hopetown  
 Number of fish released : 85  
 Per cent recaptured : 23.5%

Date of release : 14 February 1946  
 Lengths : 50 (1); 57-63 (25);  
 64-75 (59)  
 Tag type : Operculum

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Hopetown	20.2.46	6	57.0	-	-
2	"	"	"	62.0	-	-
3	"	"	"	63.0	-	-
4	"	"	"	64.0	-	P
5	"	"	"	64.0	-	-
6-7	"	"	"	64.5	-	-
8-9	"	"	"	65.0	-	P
10	"	"	"	65.5	-	-
11	"	"	"	66.0	-	-
12	"	"	"	66.0	-	P
13	"	"	"	66.5	-	-
14	"	"	"	67.0	-	-
15	"	"	"	69.5	-	-
16	"	"	"	70.0	-	-
17	"	"	"	71.0	-	-
18	"	"	"	72.0	-	-
19	"	22.2.46	8	58.0	-	-
20	"	11.3.46	25	49.5	-	-

## Experiment No. WA 005

Place of release : Cheyne Beach  
 Number of fish released : 15  
 Per cent recaptured : 0%

Date of release : 16 March 1946  
 Lengths : 58-64 (14); 73 (1)  
 Tag type : Operculum

Experiment No. **WA 006**

Place of release : Hopetown  
 Number of fish released : 28  
 Per cent recaptured : 42.9%

Date of release : 30 October 1946  
 Lengths :  
 Tag type : Operculum

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Hopetown	31.10.46	1	-	-	-
2-3	"	1.11.46	2	-	-	P
4-10	"	3.11.46	4	-	-	P
11	"	4.11.46	5	-	-	P
12	"	15.11.46	16	-	-	P

Experiment No. **WA 007**

Place of release : Hopetown  
 Number of fish released : 56  
 Per cent recaptured : 17.9%

Date of release : 31 October 1946  
 Lengths :  
 Tag type : Operculum

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Hopetown	3.11.46	3	-	-	P
2	"	7.11.46	7	-	-	P
3	"	11.11.46	11	-	-	P
4-5	"	12.11.46	12	-	-	P
6	"	14.11.46	14	-	-	P
7-9	"	15.11.46	15	-	-	P
10	"	21.11.46	21	-	-	P

Experiment No. **WA 008**

Place of release : Hopetown  
 Number of fish released : 12  
 Per cent recaptured : 50.0%

Date of release : 1 November 1946  
 Lengths : 61.0 - 70.3 (6)  
 Tag type : Operculum

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Hopetown	3.11.46	2	-	-	P
2	"	4.11.46	3	-	-	P
3	"	7.11.46	6	-	-	P
4	"	12.11.46	11	-	-	P
5	"	14.11.46	13	-	-	P
6	"	21.11.46	20	-	-	P

Experiment No. **WA 009**

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

Date of release : 3 November 1946  
 Lengths :  
 Tag type : Operculum

Experiment No. **WA 010**

Place of release : Hopetown  
 Number of fish released : 12  
 Per cent recaptured : 16.7%

Date of release : 13 December 1946  
 Lengths : [66-67 (59%); 68-77 (41%)]  
 Tag type : Operculum

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1-2	Hopetown	15.12.46	2	-	-	P

Experiment No. **WA 011**

Place of release : Hopetown  
 Number of fish released : 11  
 Per cent recaptured : 33.3%

Date of release : 19 December 1946  
 Lengths : 59-69 (3)  
 Tag type : Operculum

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Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	at recapture	Returned by
1	Hopetown	* 31.3.47	102	69.0	-	-

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Experiment No. **WA 012**

Place of release : Bremer Bay  
 Number of fish released : 11.  
 Per cent recaptured : 0%

Date of release : 12 March 1947  
 Lengths :  
 Tag type : Operculum

Experiment No. **WA 013**

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

Date of release : 23 March 1947  
 Lengths : 54.5 (1)  
 Tag type : Operculum

Experiment No. **WA 014**

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

Date of release : 19 June 1947  
 Lengths : 60.7-65.5 (3)  
 Tag type : Operculum

Experiment No. **WA 015**

Place of release : Hopetown  
 Number of fish released : 49  
 Per cent recaptured : 2.0%

Date of release : 20 June 1947  
 Lengths : (54-76)  
 Tag type : Operculum

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Hopetown	22.3.47	63	-	-	-

Experiment No. **WA 016**

Place of release : Cheyne Beach  
 Number of fish released : 62  
 Per cent recaptured : 30.7%

Date of release : 5 August 1948  
 Lengths :  
 Tag type : Operculum

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1-19	Cheyne Beach	19.8.48	14	-	-	-

Experiment No. **WA 017**

Place of release : Hopetown  
 Number of fish released : 25  
 Per cent recaptured : 28.0%

Date of release : 8 August 1948  
 Lengths :  
 Tag type : Operculum

Recapture number	Locality	Date of recapture	Days free	Length (cm) at		Returned by
				release	recapture	
1	Hopetown	26.8.48	18	-	-	-
2	"	5.9.48	28	-	-	-
3	"	7.9.48	30	-	-	-
4	"	11.9.48	34	-	-	-
5-6	"	30.9.48	53	-	-	-
7	"	31.10.48	84	-	-	-

Experiment No. **WA 018**

Place of release : Hopetown  
 Number of fish released : 44  
 Per cent recaptured : 22.7%

Date of release : 9 August 1948  
 Lengths :  
 Tag type : Operculum

Recapture number	Locality	Date of recapture	Days free	Length (cm) at		Returned by
				release	recapture	
1-2	Hopetown	13.8.48	4	-	-	-
3	"	16.8.48	7	-	-	-
4	"	18.8.48	9	-	-	-
5	"	26.8.48	17	-	-	-
6	"	27.8.48	18	-	-	-
7	"	2.9.48	24	-	-	-
8	"	12.9.48	34	-	-	-
9	"	21.9.48	43	-	-	-
10	"	1.10.48	53	-	-	-



## Experiment No. WA 019

Place of release : Hopetown  
 Number of fish released : 72  
 Per cent recaptured : 44.4%

Date of release : 10 August 1948  
 Lengths :  
 Tag type : Operculum

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Hopetown	11.8.48	1	-	-	P
2	"	12.8.48	2	-	-	P
3-4	"	"	"	-	-	-
5	"	13.8.48	3	-	-	-
6	"	18.8.48	8	-	-	-
7-9	"	19.8.48	9	-	-	-
10-12	"	24.8.48	14	-	-	-
13-16	"	26.8.48	16	-	-	-
17	"	1.9.48	22	-	-	-
18-19	"	4.9.48	25	-	-	-
20	"	5.9.48	26	-	-	-
21-22	"	9.9.48	30	-	-	-
23-24	"	10.9.48	31	-	-	-
25-26	"	21.9.48	42	-	-	-
27-28	"	30.9.48	51	-	-	-
29-30	"	1.10.48	52	-	-	-
31	"	12.6.49	306	-	-	-
32	"	10.9.49	396	-	-	-

Experiment No. **WA 020**

Place of release : Hopetown  
 Number of fish released : 41  
 Per cent recaptured : 31.7%

Date of release : 11 August 1948  
 Lengths :  
 Tag type : Operculum

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Hopetown	11.8.48	0	-	-	-
2	"	12.8.48	1	-	-	-
3	"	13.8.48	2	-	-	-
4-5	"	19.8.48	8	-	-	-
6	"	23.8.48	12	-	-	-
7	"	26.8.48	15	-	-	-
8	"	9.9.48	29	-	-	-
9	"	10.9.48	30	-	-	-
10	"	13.9.48	33	-	-	-
11	"	21.9.48	41	-	-	-
12-13	"	30.9.48	50	-	-	-

Experiment No. **WA 021**

Place of release : Hopetown  
 Number of fish released : 30  
 Per cent recaptured : 26.7%

Date of release : 12 August 1948  
 Lengths :  
 Tag type : Operculum

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Hopetown	13.8.48	1	-	-	-
2	"	2.9.48	21	-	-	-
3	"	7.9.48	26	-	-	-
4-5	"	9.9.48	28	-	-	-
6	"	12.9.48	31	-	-	-
7	"	13.9.48	32	-	-	-
8	"	1.10.48	50	-	-	-

Experiment No. **WA 022**

Place of release : Tagon Harbour      Date of release : 23 February 1949  
 Number of fish released : 52      Lengths : [42-53 (98%); 61 (1%);  
 Per cent recaptured : 1.9%      76 (1%)]  
    Tag type : Operculum

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Tagon Harbour	24.2.49	1	49.0	-	-

Experiment No. **WA 023**

Place of release : Tagon Harbour      Date of release : 24 February 1949  
 Number of fish released : 51      Lengths : As WA 022  
 Per cent recaptured : 0%      Tag type : Operculum

Experiment No. **WA 024**

Place of release : Cheyne Beach      Date of release : 16 March 1949  
 Number of fish released : 52      Lengths : 57-67 (68%); 68-78 (32%)  
 Per cent recaptured : 9.6%      Tag type : Operculum

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Cheyne Beach	1.4.49	16	63.0	-	-
2	" "	8.5.49	53	59.2	59.1	-
3	" "	12.5.49	57	60.0	60.6	-
4	Hopetown	10.7.49	116	61.5	-	-
5	Esperance	18.11.49	247	70.5	71.0	-

Experiment No. **WA 025**

Place of release : Parry's Inlet      Date of release : 19 March 1949  
 Number of fish released : 27      Lengths : [57-68 (69%); 69-77 (31%)]  
 Per cent recaptured : 11.1%      Tag type : Operculum

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Boat Harbour West	26.3.49	7	59.2	-	-
2	Parry's Inlet	1.4.49	13	66.5	-	-
3	" "	25.4.49	37	68.0	-	-

Experiment No. **WA 026**

Place of release : Parry's Inlet      Date of release : 21 March 1949  
 Number of fish released : 22      Lengths : [60-68 (53%); 69-73 (47%)]  
 Per cent recaptured : 13.6%      Tag type : Operculum

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Parry's Inlet	22.3.49	1	64.0	-	-
2	" "	29.3.49	8	67.0	-	-
3	Denmark	13.4.49	25	65.3	-	-

Experiment No. **WA 027**

Place of release : Hamelin Bay  
 Number of fish released : 29  
 Per cent recaptured : 3.4%

Date of release : 8 April 1949  
 Lengths :  
 Tag type : Operculum

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Hamelin Bay	3.5.49	25	-	-	-

Experiment No. **WA 028**

Place of release : Hamelin Bay  
 Number of fish released : 95  
 Per cent recaptured : 3.2%

Date of release : 6 May 1949  
 Lengths :  
 Tag type : Operculum

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Augusta	5.6.49	49	-	-	-
2	Chatham Island	17.7.49	72	-	-	-
3	Hopetown	18.7.49	73	-	-	-

Experiment No. **WA 029**

Place of release : Parry's Inlet      Date of release : 18 June 1949  
 Number of fish released : 26      Lengths :  
 Per cent recaptured : 11.5%      Tag type : Operculum

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Denmark	5.9.49	79	-	-	-
2	Albany	9.10.49	113	-	-	-
3	Dillon Bay	3.3.50	258	-	-	-

Experiment No. **WA 030**

Place of release : Boat Harbour West      Date of release : 28 June 1949  
 Number of fish released : 74      Lengths :  
 Per cent recaptured : 1.4%      Tag type : Operculum

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Cheyne Beach	7.2.50	224	-	-	-

Experiment No. **WA 031**

Place of release : Cape le Grand      Date of release : 30 November 1949  
 Number of fish released : 15      Lengths : [52-67 (96%); 68-73 (4%)]  
 Per cent recaptured : 0%      Tag type : Operculum (5); Petersen (10)

Experiment No. **WA 032**

Place of release : Cape Riche  
 Number of fish released : 47  
 Per cent recaptured : 17.0%

Date of release : 11 March 1950  
 Lengths :  
 Tag type : Operculum (46); Petersen (1)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
Op 1	Cheyne Beach	14.3.50	3	-	-	-
Op 2-6	" "	28.3.50	17	-	-	-
Op 7-8	Peaceful Bay	11.4.50	31	-	-	-

Experiment No. **WA 033**

Place of release : Cape Riche  
 Number of fish released : 18  
 Per cent recaptured : 5.6%

Date of release : 12 March 1950  
 Lengths :  
 Tag type : Operculum

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Cheyne Beach	28.3.50	16	-	-	-

Experiment No. **WA 034**

Place of release : Parry's Inlet  
 Number of fish released : 21  
 Per cent recaptured : 0%

Date of release : 22 March 1950  
 Lengths :  
 Tag type : Operculum (1); Petersen (20)

Experiment No. **WA 035**

Place of release : Parry's Inlet      Date of release : 26 March 1950  
 Number of fish released : 49      Lengths : [55-68 (89%); 69-81 (11%)]  
 Per cent recaptured : 10.2%      Tag type : Operculum (20); Petersen (29)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
Op 1	Parry's Inlet	4.4.50	9	-	-	-
Pe 2	Denmark	23.4.50	28	-	-	-
Pe 3	"	24.4.50	29	-	-	-
Pe 4	William Bay	11.6.50	77	-	-	-
Op 5	Hopetown	29.8.50	156	-	-	-

Experiment No. **WA 036**

Place of release : Parry's Inlet      Date of release : 28 March 1950  
 Number of fish released : 76      Lengths : [54-68 (93%); 69-75 (7%)]  
 Per cent recaptured : 6.6%      Tag type : Operculum (35); Petersen (41)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
Op 1	Boat Harbour West	* 28.3.50	0	-	-	-
Op 2	Parry's Inlet	30.3.50	2	-	-	-
Op 3	Peaceful Bay	13.4.50	16	-	-	-
Pe 4	Albany	28.5.50	61	58.1	-	-
Op 5	Boat Harbour West	24.9.50	180	-	-	-



Experiment No. **WA 037**

Place of release : Parry's Inlet      Date of release : 30 March 1950  
 Number of fish released : 95      Lengths : [52-70 (95%); 71-76 (5%)]  
 Per cent recaptured : 12.6%      Tag type : Operculum (39); Petersen (56)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
Pe 1	Boat Harbour West	1.4.50	2	-	-	-
Op 2	Parry's Inlet	4.4.50	5	-	-	-
Op 3	" "	6.4.50	7	-	-	-
Op 4	Peaceful Bay	13.4.50	14	-	-	-
Op 5	Denmark	28.4.50	29	-	-	-
Op 6	Boat Harbour West	* 30.4.50	31	-	-	-
Op 7	Lights Beach	3.6.60	65	-	-	-
Op 8	Albany	4.6.50	66	-	-	-
Op 9	William Bay	25.6.60	87	-	-	-
Pe 10	Denmark	30.6.50	92	-	-	-
Pe 11	Albany	19.9.50	173	-	-	-
Pe 12	Denmark	12.10.50	196	-	-	-

Experiment No. **WA 038**

Place of release : Parry's Inlet      Date of release : 31 March 1950  
 Number of fish released : 97      Lengths : [52-66 (94%); 68-75 (6%)]  
 Per cent recaptured : 12.4%      Tag type : Operculum (37); Petersen (60)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
Pe 1	Parry Inlet	31.3.50	0	-	-	-
Pe 2-3	Lights Beach	2.4.50	2	-	-	-
Op 4	Parry Inlet	4.4.50	4	-	-	-
Op 5	" "	6.4.50	6	-	-	-
Op 6	Peaceful Bay	9.4.50	9	-	-	-
Op 7-8	" "	13.4.50	13	-	-	-
Pe 9	" "	" "	" "	-	-	-
Op 10	Denmark	20.4.50	20	-	-	-
Pe 11	William Bay	4.6.50	65	-	-	-
Pe 12	" "	2.7.50	93	-	-	-

Experiment No. **WA 039**

Place of release : Cheyne Beach  
 Number of fish released : 51  
 Per cent recaptured : 49.0%

Date of release : 27 February 1951  
 Lengths :  
 Tag type : Operculum (41); Internal (10)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
Op 1	Cheyne Beach	4.3.51	5	-	-	-
Op 2-3	" "	5.3.51	6	-	-	-
Op 4	" "	10.3.51	11	-	-	-
In 5	" "	"	"	-	-	-
Op 6-7	" "	11.3.51	12	-	-	-
In 8	" "	* 12.3.51	13	-	-	-
In 9	Torbay	"	"	-	-	-
Op 10-11	Cheyne Beach	"	"	-	-	-
Op 12-13	" "	13.3.51	14	-	-	-
In 14	Torbay	15.3.51	16	-	-	-
Op 15-23	Cheyne Beach	26.3.51	27	-	-	-
Op 24	Torbay	27.3.51	28	-	-	-
Op 25	Hamelin Bay	* 30.4.51	62	-	-	-

Experiment No. **WA 040**

Place of release : Cheyne Beach  
 Number of fish released : 38  
 Per cent recaptured : 47.4%

Date of release : 3 March 1951  
 Lengths :  
 Tag type : Operculum (31); Internal (7)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
In 1-3	Cheyne Beach	10.3.51	7	-	-	-
Op 4-8	" "	"	"	-	-	-
In 9	" "	* 12.3.51	9	-	-	-
Op 10	" "	12.3.51	9	-	-	-
Op 11-12	" "	13.3.51	10	-	-	-
Op 13-17	" "	26.3.51	23	-	-	-
Op 18	" "	30.7.51	149	-	-	-

Experiment No. **WA 041**

Place of release : Cheyne Beach  
 Number of fish released : 119  
 Per cent recaptured : 71.4%

Date of release : 4 March 1951  
 Lengths :  
 Tag type : Operculum (19); Internal (100)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
In 1-3	Cheyne Beach	7.3.51	3	-	-	-
Op 4-6	" "	"	"	-	-	-
In 7-17	" "	10.3.51	6	-	-	-
Op 18-20	" "	"	"	-	-	-
In 21-23	" "	11.3.51	7	-	-	-
Op 24	" "	"	"	-	-	-
Op 25	Cape Riche	"	"	-	-	-
In 26	Cheyne Beach	12.3.51	8	-	-	-
In 27-62	" "	* 12.3.51	8	-	-	-
In 63-74	" "	13.3.51	9	-	-	-
In 75	" "	* 14.3.51	10	-	-	-
In 76	" "	19.3.51	15	-	-	-
Op 77-80	" "	26.3.51	22	-	-	-
In 81-82	Peaceful Bay	* 30.4.51	57	-	-	-
Op 83	" "	* 31.12.51	302	-	-	-
In 84	Nanarup	25.10.52	601	-	-	-
In 85	Cheyne Beach	* 31.12.53	1033	-	-	-

Experiment No. **WA 042**

Place of release : Cheyne Beach  
 Number of fish released : 36  
 Per cent recaptured : 38.9%

Date of release : 5 March 1951  
 Lengths :  
 Tag type : Operculum

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Cheyne Beach	7.3.51	2	-	-	-
2-7	" "	10.3.51	5	-	-	-
8	" "	12.3.51	7	-	-	-
9	" "	13.3.51	8	-	-	-
10-11	" "	14.3.51	9	-	-	-
12	Torbay	15.3.51	10	-	-	-
13-14	Cheyne Beach	26.3.51	21	-	-	-

Experiment No. **WA 043**

Place of release : Parry's Inlet  
 Number of fish released : 54  
 Per cent recaptured : 13.0%

Date of release : 7 March 1951  
 Lengths :  
 Tag type : Operculum (30); Internal (24)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
In 1	Peaceful Bay	* 12.3.51	5	-	-	-
Op 2	" "	23.3.51	16	-	-	-
In 3	Boranup	28.3.51	21	-	-	-
Op 4	Nornalup	29.3.51	22	-	-	-
In 5	Denmark	1.4.51	25	-	-	-
In 6	Cheyne Beach	20.11.53	716	-	-	-
In 7	Albany	* 31.12.53	1030	-	-	-

Experiment No. **WA 044**

Place of release : Parry's Inlet  
 Number of fish released : 37  
 Per cent recaptured : 13.5%

Date of release : 9 March 1951  
 Lengths :  
 Tag type : Operculum (21); Internal (16)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
In 1	William Bay	24.3.51	15	-	-	-
In 2	Hamlin Bay	3.4.51	25	-	-	-
Op 3	Cheyne Beach	14.6.51	97	-	-	-
In 4	Albany Area	* 31.12.51	297	-	-	-
In 5	Cheyne Beach	* 31.12.52	663	-	-	-

Experiment No. **WA 045**

Place of release : Parry Inlet  
 Number of fish released : 18  
 Per cent recaptured : 5.6%

Date of release : 10 March 1951  
 Lengths :  
 Tag type : Operculum (7); Internal (11)

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Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	at recapture	Returned by
Op 1	Peaceful Bay	23.3.51	13	-	-	-

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Experiment No. **WA 046**

Place of release : Parry's Inlet  
 Number of fish released : 27  
 Per cent recaptured : 0%

Date of release : 1 April 1951  
 Lengths :  
 Tag type : Operculum (27)

Experiment No. **WA 047**

Place of release : Hamelin Bay  
 Number of fish released : 19  
 Per cent recaptured : 0%

Date of release : 18 April 1951  
 Lengths :  
 Tag type : Operculum (1); Internal (18)

Experiment No. **WA 048**

Place of release : Nanarup  
 Number of fish released : 50  
 Per cent recaptured : 12.0%

Date of release : 11 July 1951  
 Lengths :  
 Tag type : Internal

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Nanarup	2.9.51	53	-	-	-
2	Cheyne Beach	7.1.52	180	-	-	-
3	Dunsborough	15.5.52	309	-	-	-
4	Cheyne Beach	30.11.52	508	-	-	-
5	Cape Naturaliste	31.3.53	629	-	-	-
6	Hamlin Bay	* 30.4.53	659	-	-	-

Experiment No. **WA 049**

Place of release : Cheyne Beach  
 Number of fish released : 69  
 Per cent recaptured : 10.1%

Date of release : 17 July 1951  
 Lengths :  
 Tag type : Operculum (15); Internal (54)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
In 1	Cheyne Beach	1.8.51	15	-	-	-
In 2	Hamlin Bay	22.4.52	280	-	-	-
In 3	Cheyne Beach	3.6.52	322	-	-	-
In 4	Torbay	22.2.53	586	-	-	-
In 5	Cheyne Beach	4.3.53	596	-	-	-
In 6	" "	* 31.10.53	837	-	-	-
In 7	" "	10.3.55	1332	-	-	-

## Experiment No. WA 050

Place of release : Cheyne Beach  
 Number of fish released : 11  
 Per cent recaptured : 18.2%

Date of release : 9 March 1952  
 Lengths :  
 Tag type : Operculum

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Cheyne Beach	26.3.52	17	-	-	-
2	" "	27.3.52	18	-	-	-

## Experiment No. WA 051

Place of release : Cheyne Beach  
 Number of fish released : 99  
 Per cent recaptured : 34.3%

Date of release : 27 February 1953  
 Lengths :

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Cheyne Beach	28.2.53	1	-	-	-
2	" "	1.3.53	2	-	-	-
3-16	" "	* 2.3.53	3	-	-	-
17-19	" "	3.3.53	4	-	-	-
20	Hamelin Bay	14.3.53	15	-	-	-
21	Cheyne Beach	21.3.53	22	-	-	-
22-26	" "	* 31.3.53	32	-	-	-
27	Augusta	18.4.53	50	-	-	-
28-29	Cheyne Beach	* 30.4.53	62	-	-	-
30	Boat Harbour West	23.6.53	116	-	-	-
31	Cheyne Beach	* 30.6.53	123	-	-	-
32-34	" "	* 30.4.54	427	-	-	-

Experiment No. **WA 052**

Place of release : Cheyne Beach  
 Number of fish released : 54  
 Per cent recaptured : 25.9%

Date of release : 17 March 1954  
 Lengths : (55-70)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Cheyne Beach	* 21.3.54	4	-	-	-
2	Parry Inlet	24.3.54	7	-	-	-
3-5	Cheyne Beach	26.3.54	9	-	-	-
6-7	" "	* 31.3.54	14	-	-	-
8	Parry Inlet	31.3.54	14	-	-	-
9	" "	3.4.54	17	-	-	-
10	Cheyne Beach	6.4.54	20	-	-	-
11-12	" "	* 30.4.54	105	-	-	-
13	Bremer Bay	18.1.55	307	-	71.1	-
14	Hamelin Bay	8.5.55	417	-	-	-

Experiment No. **WA 053**

Place of release : Parry's Inlet  
 Number of fish released : 52  
 Per cent recaptured : 13.5%

Date of release : 10 April 1954  
 Lengths :

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Denmark	2.5.54	22	-	69.8	-
2	Albany	25.5.54	45	-	61.0	-
3	Cheyne Beach	16.6.54	67	-	-	-
4	Torbay	* 30.11.54	234	-	-	-
5	Bremer Bay	18.1.55	283	-	57.8	-
6	Peaceful Bay	2.3.55	326	-	-	-
7	Parry Inlet	20.4.56	741	-	-	-



Experiment No. **WA 054**

Place of release : Eagle Bay  
 Number of fish released : 51  
 Per cent recaptured : 19.6%

Date of release : 3 May 1954  
 Lengths :

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Eagle Bay	3.5.54	0	-	-	-
2	" "	4.5.54	1	-	-	-
3-4	" "	9.5.54	6	-	-	-
5	Yallingup	10.5.54	7	-	67.9	-
6	Cape Naturaliste	13.5.54	10	-	73.7	-
7	Busselton area	* 31.5.54	28	-	-	-
8	Eagle Bay	* 30.6.54	58	-	-	-
9	Cheyne Beach	10.10.54	160	-	-	-
10	" "	12.11.54	193	-	-	-

Experiment No. **WA 055**

Place of release : Cheyne Beach  
 Number of fish released : 30  
 Per cent recaptured : 13.3%

Date of release : 14 March 1955  
 Lengths :

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Cheyne Beach	17.3.55	3	-	-	-
2	" "	* 25.3.55	11	-	-	-
3	" "	30.3.55	16	-	-	-
4	Parry Inlet	10.3.56	362	-	-	-

Experiment No. **WA 056**

Place of release : Cheyne Beach

Date of release : 15 March 1955

Number of fish released : 39

Lengths : (56-70)

Per cent recaptured : 20.5%

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Cheyne Beach	15.3.55	0	-	-	-
2-3	" "	22.3.55	7	-	-	-
4	" "	25.3.55	10	-	-	-
5	" "	* 25.3.55	10	-	-	-
6-7	Torbay	* 31.3.55	16	-	-	-
8	Cheyne Beach	* 30.4.55	46	-	-	-

Experiment No. **WA 057**

Place of release : Cheyne Beach

Date of release : 17 March 1955

Number of fish released : 31

Lengths :

Per cent recaptured : 51.6%

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1-6	Cheyne Beach	17.3.55	0	-	-	-
7-9	" "	22.3.55	5	-	-	-
10-11	" "	* 25.3.55	8	-	-	-
12-14	" "	30.3.55	13	-	-	-
15	Albany area	* 5.4.55	19	-	-	-
16	Cheyne Beach	16.4.55	30	-	66.0	-

Experiment No. **WA 058**

Place of release : Smith Beach  
 Number of fish released : 14  
 Per cent recaptured : 7.1%

Date of release : 26 April 1955  
 Lengths :

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Kilcarnup	8.5.55	12	-	74.9	-

Experiment No. **WA 059**

Place of release : Eagle Bay  
 Number of fish released : 88  
 Per cent recaptured : 20.5%

Date of release : 10 May 1955  
 Lengths :

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1-2	Eagle Bay	12.5.55	2	-	-	-
3-4	" "	14.5.55	4	-	-	-
5-6	Dunsborough	23.5.55	13	-	-	-
7	Eagle Bay	* 31.5.55	21	-	-	-
8-9	" "	3.6.55	24	-	-	-
10	Safety Bay	15.6.55	36	-	-	-
11	Yallingup	26.6.55	47	-	-	-
12	Busselton	7.7.55	58	-	-	-
13	Bunker Bay	8.7.55	59	-	-	-
14	Cape Naturaliste	" "	" "	-	-	-
15	Bunbury	2.8.55	84	-	-	-
16	Cliffy Head	24.9.55	137	-	-	-
17	Meelup	1.4.56	327	-	-	-
18	Bunker Bay	4.6.56	391	-	-	-

Experiment No. **WA 060**

Place of release : Bremer Bay  
 Number of fish released : 50  
 Per cent recaptured : 46.0%

Date of release : 5 March 1963  
 Lengths : (58-69)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1-8	Bremer Bay	13.3.63	8	-	-	P
9-11	" "	21.3.63	16	-	-	P
12	" "	* 22.3.63	17	-	61.0	P
13	" "	22.3.63	17	-	-	P
14	Pallerup	24.3.63	19	-	-	P
15	Nanerup	" "	" "	-	-	P
16	Torbay	25.3.63	20	-	-	P
17	Two People Bay	28.3.63	23	-	-	P
18	Pallinup	8.4.63	34	-	-	P
19	Mutton Bird Island	26.2.64	358	-	-	P
20	Bremer Bay	27.2.64	359	-	-	P
21	Cheyne Beach	19.3.64	380	-	-	P
22	Yallingup	29.3.64	390	-	69.9	A
23	Cheyne Beach	* 31.3.65	757	-	-	P

## Experiment No. WA 061

Place of release : Bremer Bay  
 Number of fish released : 150  
 Per cent recaptured : 47.3%

Date of release : 8 March 1963  
 Lengths : (58-68)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1-9	Bremer Bay	13.3.63	5	-	-	P
10-13	" "	21.3.63	13	-	-	P
14-15	" "	22.3.63	14	-	-	P
16	" "	"	"	-	58.4	P
17-19	" "	"	"	-	59.7	P
20-23	" "	"	"	-	61.0	P
24-26	" "	"	"	-	62.2	P
27-28	" "	"	"	-	63.5	P
29	" "	"	"	-	64.8	P
30-34	" "	"	"	-	66.0	P
35-36	" "	"	"	-	67.3	P
37-39	" "	"	"	-	68.6	P
40	" "	23.3.63	15	-	63.5	P
41	" "	24.3.63	16	-	-	P
42-43	" "	"	"	-	68.6	P
44	Nanarup	30.3.63	22	-	-	P
45-50	Pallinup	3.4.63	26	-	-	P
51-52	Cheyne Beach	4.4.63	27	-	-	P
53	Nanarup	5.4.63	28	-	-	P
54	Bremer Bay	6.4.63	29	-	-	P
55	Cheyne Beach	7.4.63	30	-	-	A
56-57	Pallinup	8.4.63	31	-	-	P
58	Cheyne Beach	21.6.63	96	-	-	P
59	" "	23.2.64	352	-	-	P
60	" "	26.2.64	355	-	-	P
61	Tooregullup	"	"	-	73.0	P
62	Betty Bay	1.3.64	359	-	-	P
63	Boat Harbour East	16.3.64	374	-	-	P
64	Eagle Bay	* 17.3.64	375	-	-	P
65-66	Cheyne Beach	18.3.64	376	-	-	P
67	" "	19.3.64	377	-	-	P
68	Quindalup area	* 25.3.64	383	-	-	P
69	Smith Beach	8.4.64	397	-	-	P
70	Bremer Bay	23.2.66	1083	-	-	P
71	Cheyne Bay	5.4.68	1855	-	-	P

Experiment No. **WA 062**

Place of release : Cheyne Beach  
 Number of fish released : 63  
 Per cent recaptured : 65.1%

Date of release : 13 March 1963  
 Lengths : (56-67)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1-10	Cheyne Beach	15.3.63	2	-	-	P
11	Two People Bay	16.3.63	3	-	-	P
12	Cheyne Beach	* 17.3.63	4	-	-	P
13-26	" "	17.3.63	4	-	-	P
27	" "	25.3.63	12	-	71.1	A
28-31	" "	26.3.63	13	-	-	P
32-33	" "	28.3.63	15	-	-	P
34-35	" "	30.3.63	17	-	-	P
36-37	" "	* 4.4.63	22	-	-	P
38	" "	5.4.63	23	-	-	P
39	Hamelin Bay	30.4.63	48	-	73.0	P
40	" "	9.5.63	57	-	65.4	A
41	Cheyne Beach	4.3.64	357	-	-	P

Experiment No. **WA 063**

Place of release : Cheyne Beach  
 Number of fish released : 37  
 Per cent recaptured : 48.6%

Date of release : 14 March 1963  
 Lengths : (59-71)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1-9	Cheyne Beach	15.3.63	1	-	-	P
10	" "	* 15.3.63	1	-	-	P
11-14	" "	17.3.63	3	-	-	P
15	Waychinicup	18.3.63	4	-	43.2	A
16	Cheyne Beach	30.3.63	16	-	-	P
17	Nanarup	" "	" "	-	-	P
18	Cheyne Beach	* 31.3.65	748	-	-	P

Experiment No. **WA 064**

Place of release : Cheyne Beach      Date of release : 15 March 1963  
 Number of fish released : 32      Lengths : (58-68)  
 Per cent recaptured : 56.3%

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1-14	Cheyne Beach	17.3.63	2	-	-	P
15	Waychinicup	19.3.63	4	-	43.2	A
16	Cheyne Beach	5.4.63	21	-	-	P
17	" "	19.3.64	370	-	-	P
18	Smith Beach	8.4.64	390	-	-	P

Experiment No. **WA 065**

Place of release : Cheyne Beach      Date of release : 17 March 1963  
 Number of fish released : 28      Lengths : (58-67)  
 Per cent recaptured : 14.3%

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1-2	Cheyne Beach	30.3.63	13	-	-	P
3-4	" "	5.4.63	19	-	-	P

## Experiment No. WA 066

Place of release : Bremer Bay  
 Number of fish released : 99  
 Per cent recaptured : 73.7%

Date of release : 19 February 1964  
 Lengths : [56-61 (27%); 62-71 (73%)]

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Cheyne Beach	26.2.64	7	-	-	P
2-4	Bremer Bay	27.2.64	8	-	-	P
5	Cheyne Beach	"	"	-	-	P
6-32	Bremer Bay	29.2.64	10	-	-	P
33	Cheyne Beach	"	"	-	-	P
34	Boat Harbour East	6.3.64	16	-	-	P
35	" " "	7.3.64	17	-	-	P
36-39	Bremer Bay	8.3.64	18	-	-	P
40	Peppermint Beach	9.3.64	19	-	-	P
41-42	Goode Beach	11.3.64	21	-	-	P
43-44	Pallinup	12.3.64	22	-	-	P
45	Parry Inlet	"	"	-	-	P
46-47	Betty Bay	13.3.64	23	-	-	P
48-49	Cheyne Beach	"	"	-	-	P
50	Mutton Bird Island	"	"	-	-	P
51	Nanarup	14.3.64	24	-	-	P
52	Cheyne Beach	"	"	-	-	P
53	" "	15.3.64	25	-	-	P
54	Eagle Bay area	* 15.3.64	25	-	-	P
55-56	Boat Harbour East	17.3.64	27	-	-	P
57-59	Cape Riche	18.3.64	28	-	-	P
60	" "	19.3.64	29	-	-	P
61	Pallinup	"	"	-	-	P
62	Torbay	20.3.64	30	-	-	P
63	Cheyne Beach	"	"	-	-	P
64	" "	21.3.64	31	-	-	P
65	Cape Riche	26.3.64	36	-	-	P
66-67	Bremer Bay	29.3.64	39	-	-	P
68	Quindalup area	† 8.4.64	49	-	-	P
69	Cheyne Beach	† 18.4.64	59	-	-	P
70	" "	27.5.64	98	-	-	P
71	Nanarup	16.2.65	363	-	-	P
72	"	17.2.65	364	-	-	P
73	Fremantle area	16.6.68	1579	-	76.2	A



Experiment No. **WA 067**Place of release : Bremer Bay  
Number of fish released : 100  
Per cent recaptured : 79.0%Date of release : 20 February 1964  
Lengths : [56-57 (4%); 60-70 (96%)]

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1-2	Bremer Bay	27.2.64	7	-	-	P
3-37	" "	29.2.64	9	-	-	P
38	Pallinup	1.3.64	10	-	-	P
39	Cheyne Beach	4.3.64	13	-	-	P
40-41	Boat Harbour East	6.3.64	15	-	-	P
42	Pallinup	7.3.64	16	-	-	P
43-45	Bremer Bay	8.3.64	17	-	-	P
46	Cheyne Beach	9.3.64	18	-	-	P
47	Peppermint Beach	"	"	-	-	P
48	Lights Beach	10.3.64	19	-	-	P
49	Bremer Bay	"	"	-	-	P
50	Cheyne Beach	12.3.64	21	-	-	P
51-54	" "	15.3.64	24	-	-	P
55	Betty Bay	"	"	-	-	P
56-58	Boat Harbour East	16.3.64	25	-	-	P
59	Cape Riche	"	"	-	-	P
60	Betty Bay	17.3.64	26	-	-	P
61	Boat Harbour East	"	"	-	-	P
62	Cheyne Beach	18.3.64	27	-	-	P
63	Betty Bay	"	"	-	-	P
64	Cape Riche	"	"	-	-	P
65-66	Cheyne Beach	19.3.64	28	-	-	P
67	Two People Bay	20.3.64	29	-	-	P
68	Smith Beach	"	"	-	-	P
69	Pallinup	"	"	-	-	P
70	Cheyne Beach	21.3.64	30	-	-	P
71	" "	* 24.3.64	33	-	-	P
72	Boat Harbour East	27.3.64	36	-	-	P
73	Bremer Bay	"	"	-	-	A
74	Safety Bay	2.4.64	42	-	73.0	A
75	Cheyne Beach	† 17.4.64	57	-	-	P
76	Two People Bay	"	"	-	-	P
77	Cheyne Beach	† 18.4.64	58	-	-	P
78	Dunsborough	* 9.3.65	383	-	-	P
79	Yallingup	19.3.65	393	-	73.7	A

Experiment No. **WA 068**

Place of release : Cheyne Beach  
 Number of fish released : 28  
 Per cent recaptured : 64.3%

Date of release : 23 February 1964  
 Lengths : [55-59 (8%); 60-71 (92%)]

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Cheyne Beach	23.2.64	0	-	-	P
2	" "	29.2.64	6	-	-	P
3	" "	1.3.64	7	-	-	P
4	" "	3.3.64	9	-	-	P
5	" "	5.3.64	11	-	-	P
6	Mutton Bird Island	7.3.64	13	-	-	P
7	Cheyne Beach	12.3.64	18	-	-	P
8	" "	13.3.64	19	-	-	P
9-10	" "	14.3.64	20	-	-	P
11	Torbay	" "	" "	-	-	P
12	Cheyne Beach	15.3.64	21	-	-	P
13	" "	* 17.3.64	23	-	-	P
14	" "	18.3.64	24	-	-	P
15	Smith Beach	4.4.64	41	-	-	P
16	Cheyne Beach	† 17.4.64	54	-	-	P
17	" "	† 18.4.64	55	-	-	P
18	Smith Beach	* 30.4.64	67	-	-	P

Experiment No. WA 069

Place of release : Cheyne Beach  
 Number of fish released : 63  
 Per cent recaptured : 41.3%

Date of release : 23 February 1964  
 Lengths : [55-59 (8%); 60-71 (92%)]

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Betty Bay	25.2.64	2	-	-	P
2-3	Cheyne Beach	29.2.64	6	-	-	P
4	" "	1.3.64	7	-	-	P
5	" "	4.3.64	10	-	-	P
6	" "	11.3.64	17	-	-	P
7-8	" "	13.3.64	19	-	-	P
9	Peaceful Bay	17.3.64	23	-	-	P
10	Betty Bay	"	"	-	-	P
11	Cheyne Beach	20.3.64	26	-	-	P
12	Nanarup	24.3.64	30	-	-	P
13	Betty Bay	27.3.64	33	-	-	P
14	Mutton Bird Island	31.3.64	37	-	-	P
15	Cheyne Beach	11.4.64	48	-	77.5	A
16	Eagle Bay	17.4.64	54	-	-	P
17	Goode Beach	† 17.4.64	54	-	-	P
18	Cheyne Beach	"	"	-	-	P
19	" "	29.4.64	66	-	-	P
20	Eagle Bay area	30.4.64	67	-	-	P
21-23	Cheyne Beach	23.5.64	90	-	-	P
24-25	" "	27.5.64	94	-	-	P
26	Torbay	27.2.65	370	-	75.0	P

Experiment No. **WA 070**

Place of release : Cheyne Beach  
 Number of fish released : 109  
 Per cent recaptured : 57.8%

Date of release : 24 February 1964  
 Lengths : [56-58 (2%); 59-72 (98%)]

Recapture number	Locality	Date of recapture	Days free	Length (cm) at		Returned by
				release	recapture	
1-2	Cheyne Beach	26.2.64	2	-	-	P
3	Betty Bay	29.2.64	5	-	-	P
4	" "	1.3.64	6	-	-	P
5-7	Cheyne Beach	"	"	-	-	P
8-10	" "	3.3.64	8	-	-	P
11	" "	5.3.64	10	-	-	P
12	Torbay	* 7.3.64	12	-	-	P
13	Cheyne Beach	9.3.64	14	-	-	P
14	Peaceful Bay	11.3.64	16	-	-	P
15	Nanarup	"	"	-	-	P
16-20	Cheyne Beach	"	"	-	-	P
21	Parry Inlet	12.3.64	17	-	-	P
22	Betty Bay	13.3.64	18	-	-	P
23	Cheyne Beach	"	"	-	-	P
24	" "	14.3.64	19	-	-	P
25	Peaceful Bay	"	"	-	-	P
26-28	Cheyne Beach	15.3.64	20	-	-	P
29	Betty Bay	17.3.64	22	-	-	P
30	Peaceful Bay	"	"	-	-	P
31	Parry Inlet	"	"	-	-	P
32	" "	20.3.64	25	-	-	P
33	Torbay	"	"	-	-	P
34-35	Eagle Bay area	23.3.64	28	-	-	P
36-38	Cheyne Beach	* 24.3.64	29	-	-	P
39	Betty Bay	25.3.64	30	-	-	P
40-41	Cheyne Beach	30.3.64	35	-	-	P
42	Eagle Bay area	"	"	-	-	P
43	Parry Inlet	5.4.64	41	-	-	P
44	Smith Beach	8.4.64	44	-	-	P
45-46	Eagle Bay	13.4.64	49	-	-	P
47-51	Cheyne Beach	† 17.4.64	53	-	-	P
52-53	" "	† 18.4.64	54	-	-	P
54	" "	29.4.64	65	-	-	P
55	Eagle Bay	* 30.4.64	66	-	-	P
56	Cheyne Beach	23.5.64	89	-	-	P
57	Torbay	29.1.65	340	-	-	P
58	Peaceful Bay	6.3.65	376	-	-	P

Experiment No. **WA 070** (cont.)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
59	Cheyne Beach	7.3.65	377	-	-	P
60	" "	11.3.65	381	-	-	P
61	Torbay	14.3.65	384	-	-	P
62	Parry Inlet	16.3.65	386	-	-	P
63	Smith Beach	19.3.65	389	-	64.8	A

Experiment No. **WA 071**

Place of release : Peaceful Bay  
 Number of fish released : 200  
 Per cent recaptured : 32.0%

Date of release : 27 February 1964  
 Lengths : [55 (1%); 59-71 (99%)]

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1-4	Peaceful Bay	2.3.64	4	-	-	P
5	" "	4.3.64	6	-	-	P
6-8	Eagle Bay area	* 14.3.64	16	-	-	P
9-10	" " "	* 15.3.64	17	-	-	P
11	Peaceful Bay	19.3.64	21	-	-	P
12	" "	20.3.64	22	-	-	P
13-15	Eagle Bay area	* 23.3.64	25	-	-	P
16	" " "	23.3.64	"	-	-	P
17	Smith Beach	* 25.3.64	27	-	-	P
18	Yallingup	27.3.64	29	-	-	A
19	Eagle Bay area	30.3.64	32	-	-	P
20	Yallingup	31.3.64	33	-	-	A
21	"	2.4.64	35	-	-	A
22	Eagle Bay area	3.4.64	36	-	-	P
23	Smith Beach	4.4.64	37	-	-	P
24	Yallingup	5.4.64	38	-	71.1	A
25	"	7.4.64	40	-	71.1	A
26-29	Quindalup area	† 8.4.64	41	-	-	P
30	Yallingup	11.4.64	44	-	55.9	A
31	Eagle Bay	17.4.64	50	-	-	P
32	Yallingup	18.4.64	51	-	68.6	A
33	Eagle Bay	" "	"	-	-	P
34-35	" "	20.4.64	53	-	-	P
36-37	" "	* 30.4.64	63	-	-	P

Experiment No. **WA 071** (cont.)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
38	" " area	30.4.64	"	-	-	P
39	Rottneest Island	11.5.64	74	-	-	A
40	Walpole Inlet	16.5.64	79	-	73.7	A
41	Eagle Bay area	* 31.5.64	94	-	-	P
42	Torbay	21.1.65	329	-	-	P
43	"	29.1.65	337	-	-	P
44	"	30.1.65	338	-	-	P
45-46	Nanarup	17.2.65	356	-	-	P
47	Mutton Bird Island	21.2.65	360	-	-	P
48	Cheyne Beach	6.3.65	373	-	-	P
49-50	" "	7.3.65	374	-	-	P
51	Dunsborough	* 10.3.65	377	-	-	P
52	Peaceful Bay	10.3.65	"	-	-	P
53	Cheyne Beach	13.3.65	380	-	-	P
54	Yallingup	20.3.65	387	-	68.6	A
55-56	Eagle Bay area	30.4.65	428	-	-	P
57	Bremer Bay	7.2.65	711	-	-	P
58	" "	20.2.66	724	-	-	P
59	Betty Bay	6.3.66	738	-	71.0	P
60	" "	8.3.66	740	-	-	P
61	Cockbrun Sound	15.5.66	808	-	66.0	A
62	Woodmans Point	6.6.66	830	-	81.3	A
63	Cottesloe Beach	25.9.66	941	-	68.6	A
64	Hamilin Bay	18.3.68	1481	-	-	P

Experiment No. **WA 072**

Place of release : Eagle Bay  
 Number of fish released : 69  
 Per cent recaptured : 36.2%

Date of release : 5 March 1964  
 Lengths : (59-67)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1-2	Eagle Bay area	* 14.3.64	9	-	-	P
3-9	" " "	* 15.3.64	10	-	-	P
10	Smith Beach	* 25.3.64	20	-	-	P
11	Eagle Bay area	* 26.3.64	21	-	-	P
12	Yallingup	27.3.64	22	-	73.7	A
13-14	Eagle Bay area	30.3.64	25	-	-	P
15	Cape Naturaliste	5.4.64	31	-	69.8	A
16-17	Quindalup area	† 8.4.64	34	-	-	P
18	Eagle Bay	12.4.64	38	-	-	P
19	Yallingup	18.4.64	44	-	71.1	A
20	Eagle Bay area	30.4.64	56	-	-	P
21	Cheyne Beach	3.3.65	363	-	-	P
22	Betty Bay	7.3.65	367	-	-	P
23	Smith Beach	14.3.65	374	-	-	A
24	Bunker Bay	22.3.65	382	-	-	P
25	Torbay	10.3.66	735	-	-	P

Experiment No. **WA 073**

Place of release : Bunker Bay  
 Number of fish released : 58  
 Per cent recaptured : 20.7 %

Date of release : 5 March 1964  
 Lengths : [60-62 (22%); 63-71 (78%)]

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Eagle Bay	8.3.64	3	-	68.6	A
2-3	" " area	* 15.3.64	10	-	-	P
4	Bunker Bay	19.3.64	14	-	65.4	A
5	Eagle Bay area	30.3.64	25	-	-	P
6	Smith Beach	8.4.64	34	-	-	P
7	Eagle Bay	18.4.64	44	-	-	P
8	Peaceful Bay	10.3.65	370	-	-	P
9	Cheyne Beach	11.3.65	371	-	-	P
10	Eagle Bay	12.3.65	372	-	-	P
11	Cheyne Beach	17.3.65	377	-	-	P
12	Betty Bay	1.6.67	1183	-	-	A

Experiment No. **WA 074**

Place of release : Eagle Bay  
 Number of fish released : 73  
 Per cent recaptured : 45.2%

Date of release : 7 March 1964  
 Lengths : (60-70)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1-7	Eagle Bay area	* 14.3.64	7	-	-	P
8-16	" " "	* 15.3.64	8	-	-	P
17	" " "	23.3.64	16	-	-	P
18-20	" " "	* 23.3.64	"	-	-	P
21-24	" " "	26.3.64	19	-	-	P
25	Yallingup	28.3.64	21	-	71.1	A
26-29	Eagle Bay area	30.3.64	23	-	-	P
30	Smith Beach	8.4.64	32	-	-	P
31	Eagle Bay	20.4.64	44	-	-	P
32	" " area	30.4.64	54	-	-	P
33	" " "	* 31.5.64	85	-	-	P

Experiment No. **WA 075**

Place of release : Bremer Bay  
 Number of fish released : 200  
 Per cent recaptured : 69.0%

Date of release : 15 March 1964  
 Lengths : (56-69)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Boat Harbour, East	19.3.64	4	-	68.6	P
2-4	Pallinup	"	"	-	-	P
5-10	"	20.3.64	5	-	-	P
11-13	Boat Harbour, East	"	"	-	-	P
14-24	Bremer Bay	21.3.64	6	-	-	P
25	Goode Beach	"	"	-	-	P
26	Cape Riche	23.3.64	8	-	-	P
27-28	Boat Harbour, East	24.3.64	9	-	-	P
29-30	Cheyne Beach	"	"	-	-	P
31-33	" " "	* 24.3.64	"	-	-	P
34-49	Cape Riche	26.3.64	11	-	-	P
50	Boat Harbour, East	27.3.64	12	-	-	P
51	Betty Bay	"	"	-	-	P
52-55	Bremer Bay	"	"	-	-	P



## Experiment No. WA 075 (cont.)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
56	Two People Bay	† 27.3.64	12	-	-	P
57-64	Cheyne Beach	27.3.64	"	-	-	P
65-68	" "	28.3.64	13	-	-	P
69	Bremer Bay	"	"	-	63.5	A
70-71	" "	29.3.64	14	-	-	A
72-94	" "	"	"	-	-	P
95-97	Cape Riche	"	"	-	-	P
98-102	Cheyne Beach	30.3.64	15	-	-	P
103	Mutton Bird Island	5.4.64	21	-	-	P
104	Parry Inlet	"	"	-	-	P
105-107	Cheyne Beach	† 17.4.64	33	-	-	P
108-110	" "	† 18.4.64	34	-	-	P
111	Eagle Bay	20.4.64	36	-	-	P
112	Bremer Bay	27.4.64	43	-	-	A
113	Smith Beach	* 30.4.64	46	-	-	P
114-117	Bremer Bay	15.5.64	61	-	-	A
118-120	Cheyne Beach	23.5.64	69	-	-	P
121-122	" "	27.5.64	73	-	-	P
123	Eagle Bay area	* 31.5.64	77	-	-	P
124	Nanarup	16.2.65	338	-	-	P
125	Mutton Bird Island	* 25.2.65	347	-	-	P
126	Cheyne Beach	2.3.65	352	-	-	P
127	" "	3.3.65	353	-	-	P
128	Betty Bay	7.3.65	357	-	-	P
129-130	Cheyne Beach	* 9.3.65	359	-	-	P
131	Cape Riche	11.3.65	361	-	-	P
132	Torbay	† 14.3.65	364	-	-	P
133	Meelup	* 17.3.65	367	-	-	P
134	Two People Bay	16.3.66	731	-	-	P
135	Eagle Bay area	* 19.3.66	734	-	-	P
136	Yallingup	26.3.66	741	-	74.6	A
137	Warren River	22.9.66	921	-	75.6	A
138	Nanarup	4.1.67	1025	-	68.6	A

## Experiment No. WA 076

Place of release : Cheyne Beach  
 Number of fish released : 100  
 Per cent recaptured : 60.0%

Date of release : 16 March 1964  
 Lengths : (57-69)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1-2	Cheyne Beach	18.3.64	2	-	-	P
3-8	" "	19.3.64	3	-	-	P
9-13	" "	20.3.64	4	-	-	P
14	Betty Bay	"	"	-	-	P
15-18	Cheyne Beach	21.3.64	5	-	-	P
19	" "	24.3.64	8	-	-	P
20-24	Betty Bay	"	"	-	-	P
25-28	" "	25.3.64	9	-	-	P
29-31	" "	27.3.64	11	-	-	P
32	Two People Bay	† 27.3.64	"	-	83.3	P
33-35	Cheyne Beach	27.3.64	"	-	-	P
36-37	" "	28.3.64	12	-	-	P
38	Goode Beach	29.3.64	13	-	-	P
39	Cheyne Beach	30.3.64	14	-	-	P
40-41	" "	31.3.64	15	-	-	P
42-45	" "	7.4.64	22	-	-	P
46	Eagle Bay	"	"	-	-	P
47-48	Cheyne Beach	† 18.4.64	33	-	-	P
49-51	" "	29.4.64	44	-	-	P
52	Smith Beach	* 30.4.64	45	-	-	P
53-56	Cheyne Beach	23.5.64	68	-	-	P
57-58	" "	27.5.64	72	-	-	P
59	Eagle Bay area	* 31.5.64	76	-	-	P
60	Nanarup	"	"	-	-	A

Experiment No. **WA 077**

Place of release : Cheyne Beach  
 Number of fish released : 50  
 Per cent recaptured : 58.0%

Date of release : 18 March 1964  
 Lengths : (58-68)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1-3	Cheyne Beach	19.3.64	1	-	-	P
4-5	" "	20.3.64	2	-	-	P
6	Betty Bay	24.3.64	6	-	-	P
7	Cheyne Beach	"	"	-	-	P
8-10	" "	25.3.64	7	-	-	P
11-13	Betty Bay	27.3.64	9	-	-	P
14-16	Nanarup	28.3.64	10	-	-	P
17	Cheyne Beach	"	"	-	-	P
18	" "	31.3.64	13	-	-	P
19	" "	7.4.64	20	-	-	P
20	Eagle Bay	9.4.64	22	-	-	P
21-22	Cheyne Beach	† 18.4.64	31	-	-	P
23-27	" "	29.4.64	42	-	-	P
28	" "	23.5.64	66	-	-	P
29	" "	27.5.64	70	-	-	P

Experiment No. **WA 078**

Place of release : Cheyne Beach  
 Number of fish released : 50  
 Per cent recaptured : 86.0%

Date of release : 18 March 1964  
 Lengths : (54-70)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at		Returned by
				release	recapture	
1	Cheyne Beach	20.3.64	2	-	-	P
2	Betty Bay	24.3.64	6	-	-	P
3	Cheyne Beach	"	"	-	-	P
4-6	" "	25.3.64	7	-	-	P
7	Betty Bay	"	"	-	-	P
8-12	" "	27.3.64	9	-	-	P
13	Mutton Bird Island	"	"	-	-	P
14-15	Cheyne Beach	"	"	-	-	P
16	" "	28.3.64	10	-	-	P
17-18	Goode Beach	29.3.64	11	-	-	P
19-20	Cheyne Beach	30.3.64	12	-	-	P
21-23	" "	31.3.64	13	-	-	P
24-28	" "	7.4.64	20	-	-	P
29	" "	16.4.64	29	-	-	A
30-31	" "	† 18.4.64	31	-	-	P
32-33	" "	29.4.64	42	-	-	P
34	Eagle Bay area	30.4.64	43	-	-	P
35	Smith Beach	* 30.4.64	"	-	-	P
36-39	Cheyne Beach	23.5.64	66	-	-	P
40-42	" "	27.5.64	70	-	-	P
43	Fosters Beach	24.10.64	220	-	-	A

Experiment No. **WA 079**Place of release : Peaceful Bay  
Number of fish released : 200  
Per cent recaptured : 25.0%Date of release : 24 March 1964  
Lengths : (55-68)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Peaceful Bay	25.3.64	1	-	-	P
2	" "	* 26.3.64	2	-	-	A
3	" " (16 km W)	28.3.64	4	-	-	A
4	" "	29.3.64	5	-	61.0	A
5	Warren River	4.4.64	11	-	64.8	A
6	Dunsborough	13.4.64	20	-	-	P
7	Eagle Bay	18.4.64	25	-	-	P
8	" "	20.4.64	27	-	-	P
9	Warren River	25.4.64	32	-	63.5	A
10-15	Smith Beach	* 30.4.64	37	-	-	P
16	Cheyne Beach	23.5.64	60	-	-	P
17	Peaceful Bay	26.7.64	124	-	-	A
18	Dunsborough	22.10.64	212	-	-	A
19	Two People Bay	21.1.65	303	-	-	P
20	Torbay	" "	" "	-	-	P
21	Mutton Bird Island	30.1.65	312	-	-	A
22-23	" " "	* 10.2.65	323	-	-	P
24	" " "	10.2.65	" "	-	-	P
25	Nanarup	15.2.65	328	-	-	P
26	Cheyne Beach	3.3.65	344	-	-	P
27	Betty Bay	5.3.65	346	-	-	P
28	Cheyne Beach	6.3.65	347	-	-	P
29	Betty Bay	7.3.65	348	-	-	P
30	Peaceful Bay	" "	" "	-	-	P
31	Dunsborough	* 9.3.65	350	-	-	P
32	Parry Inlet	9.3.65	" "	-	-	P
33	Bunker Bay	12.3.65	353	-	-	P
34	Eagle Bay	" "	" "	-	-	P
35	Pallinup	13.3.65	354	-	68.0	P
36	Marlanup	" "	" "	-	68.6	A
37	Mutton Bird Island	* 13.3.65	" "	-	-	P
38	Torbay	14.3.65	355	-	-	P
39	Cape Riche	" "	" "	-	-	P
40	Cheyne Beach	17.3.65	358	-	-	P
41	North Fremantle	4.4.65	376	-	73.7	A
42	Rottneest Island	25.4.65	397	-	71.1	A
43	Hunt's Cannery, Albany	11.3.66	717	-	66.1	P
44	Yallingup	28.3.66	734	-	66.0	A
45	Fremantle	1.5.66	768	-	73.7	A

Experiment No. **WA 079** (cont.)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
46	Cockburn Sound	8.5.66	775	-	71.1	A
47	Scarborough	12.10.66	932	-	78.7	A
48	Bremer Bay	27.11.66	978	-	77.5	A
49	D'Entrecasteaux Point	1.12.66	982	-	-	A
50	Nanarup	11.11.67	1327	-	75.6	A

Experiment No. **WA 080**

Place of release : Eagle Bay  
 Number of fish released : 108  
 Per cent recaptured : 38.9%

Date of release : 30 March 1964  
 Lengths : (60-70)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Eagle Bay area	3.4.64	4	-	-	P
2-3	" "	7.4.64	8	-	-	P
4-10	" "	9.4.64	10	-	-	P
11	" "	11.4.64	12	-	-	P
12-13	" "	13.4.64	14	-	-	P
14	Dunsborough	15.4.64	16	-	74.9	P
15	Eagle Bay	17.4.64	18	-	-	P
16	Yallingup	19.4.64	20	-	66.0	A
17	Eagle Bay	20.4.64	21	-	-	P
18	Meelup	22.4.64	23	-	58.4	A
19-21	Eagle Bay	30.4.64	31	-	-	P
22-25	" "	* 30.4.64	"	-	-	P
26-30	" " area	* 31.5.64	62	-	-	P
31	Bunker Bay	5.11.64	220	-	-	A
32	Dunsborough	* 9.3.65	344	-	-	P
33	Cheyne Beach	13.3.65	348	-	-	P
34	Torbay	14.3.65	349	-	-	P
35	Bunker Bay	* 15.3.65	350	-	-	P
36	" "	16.3.65	351	-	-	P
37	Smith Beach	17.3.65	352	-	-	P
38	Eagle Bay	5.4.65	371	-	-	P
39	Woodman Point	15.5.65	411	-	72.4	A
40	Rottnest Island	* 20.6.65	447	-	74.3	A
41	Eagle Bay area	18.3.66	718	-	-	P
42	Boat Harbour West	21.6.66	813	-	-	P

Experiment No. WA 081

Place of release : Eagle Bay  
 Number of fish released : 92  
 Per cent recaptured : 53.3%

Date of release : 3 April 1964  
 Lengths : (54-69)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1-3	Eagle Bay	7.4.64	4	-	-	P
4-11	" "	9.4.64	6	-	-	P
12-13	" "	11.4.64	8	-	-	P
14	" "	12.4.64	9	-	62.2	A
15-16	" "	13.4.64	10	-	-	P
17-19	" "	17.4.64	14	-	-	P
20	Hamlin Bay	18.4.64	15	-	64.8	A
21	Eagle Bay	20.4.64	17	-	-	P
22	Margaret River	24.4.64	21	-	66.0	A
23-24	Eagle Bay area	30.4.64	27	-	-	P
25-29	" "	* 30.4.64	"	-	-	P
30	Rockingham	19.5.64	46	-	70.5	A
31-34	Eagle Bay area	* 31.5.64	58	-	-	P
35	Singleton Beach	13.7.64	101	-	-	A
36	Nornalup	19.7.64	107	-	-	A
37	Fremantle	1.8.64	120	-	-	A
38	Torbay	14.9.64	164	-	-	A
39	Nanarup	16.2.65	319	-	-	P
40	Bremer Bay	17.2.65	320	-	-	P
41	Cheyne Beach	3.3.65	334	-	-	P
42	" "	6.3.65	337	-	-	P
43	" "	* 9.3.65	340	-	-	P
44	Eagle Bay	12.3.65	343	-	-	P
45	Cheyne Beach	13.3.65	344	-	-	P
46-48	Boat Harbour West	9.3.66	705	-	-	P
49	Cheyne Beach	15.3.66	711	-	-	P

Experiment No. **WA 082**

Place of release : Taylor Inlet  
 Number of fish released : 9  
 Per cent recaptured : 11.1%

Date of release : 22 February 1967  
 Lengths : (27-29)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Pallinup	* 20.12.67	301	-	-	A

Experiment No. **WA 083**

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

Date of release : 23 February 1967  
 Lengths : (26-29)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Nanarup	* 15.11.67	265	-	-	-
2	Pallinup	* 20.12.67	300	-	-	A
3	Nanarup	23.2.68	365	-	47.0	P
4	"	* 15.8.68	539	-	47.0	P



Experiment No. **WA 084**

Place of release : Nanarup  
 Number of fish released : 13  
 Per cent recaptured : 53.8%

Date of release : 24 February 1967  
 Lengths : (26-29)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Oyster Harbour	29.8.67	186	-	36.8	P
2	Taylors Inlet	4.3.68	374	-	-	A
3	" "	28.3.68	398	-	-	A
4	Nanarup	13.5.68	444	-	40.6	-
5-6	"	* 15.8.68	538	-	44.5	P
7	Albany Harbour	24.9.68	578	-	45.1	A

Experiment No. **WA 085**

Place of release : Nanarup  
 Number of fish released : 22  
 Per cent recaptured : 31.8%

Date of release : 27 February 1967  
 Lengths : (26-30)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Taylors Inlet	23.4.67	55	-	-	A
2	" "	8.6.67	101	-	31.1	A
3	" "	8.6.67	101	-	33.0	A
4	Nanarup	8.6.67	101	-	-	A
5	Oyster Harbour	14.9.67	199	-	-	-
6	Taylors Inlet	5.3.68	372	-	-	-
7	Nanarup	* 15.8.68	535	-	45.1	P

Experiment No. **WA 086**

Place of release : Taylor Inlet  
 Number of fish released : 35  
 Per cent recaptured : 37.1%

Date of release : 28 February 1967  
 Lengths : (25-30)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Oyster Harbour	29.8.67	182	-	34.9	-
2	" "	"	"	-	35.6	P
3	" "	"	"	-	36.8	-
4-5	Nanarup Inlet	* 15.11.67	260	-	-	-
6	Taylor's Inlet	5.3.68	371	-	-	-
7	" "	10.3.68	376	-	36.0	A
8	Nanarup	20.5.68	447	-	38.7	P
9	" Inlet	* 15.8.68	534	-	44.5	P
10	" "	"	"	-	46.4	P
11	" "	"	"	-	47.0	P
12	" "	"	"	-	48.3	P
13	Oyster Harbour	30.9.68	580	-	47.0	A

Experiment No. **WA 087**

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

Date of release : Wilson Inlet  
 Lengths : 24 (1)

Experiment No. **WA 088**

Place of release : Irwin Inlet  
 Number of fish released : 3  
 Per cent recaptured : 33.3%

Date of release : 23 March 1967  
 Lengths : (21-22)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Irwin Inlet	16.6.69	816	-	40.6	P

Experiment No. **WA 089**

Place of release : Irwin Inlet      Date of release : 24 March 1967  
 Number of fish released : 1      Lengths : 21 (1)  
 Per cent recaptured : 0%

Experiment No. **WA 090**

Place of release : Bunbury Harbour      Date of release : 6 April 1967  
 Number of fish released : 19      Lengths : (17-21)  
 Per cent recaptured : 42.1%

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Bunbury Harbour	* 10.4.67	4	-	-	A
2	" "	23.4.67	17	-	-	A
3	" "	30.4.67	24	-	20.3	A
4	" "	1.5.67	25	-	22.9	A
5	" "	8.5.67	32	-	-	A
6	" "	12.5.67	36	-	19.7	A
7	" "	23.5.67	47	-	23.8	A
8	Safety Bay	6.8.67	122	-	27.9	A

Experiment No. **WA 091**

Place of release : Bunbury Harbour      Date of release : 8 April 1967  
 Number of fish released : 1      Lengths : 19 (1)  
 Per cent recaptured : 0%

## Experiment No. WA 092

Place of release : Leschenault Inlet Date of release : 12 April 1967  
 Number of fish released : 49 Lengths : (21-25)  
 Per cent recaptured : 16.3%

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Leschenault Inlet	18.5.67	36	-	-	-
2	" "	4.6.67	53	-	-	-
3	" "	* 11.6.67	60	-	-	A
4	Bunbury	* 12.7.67	91	-	-	A
5	"	8.10.67	179	-	-	A
6	Mandurah	* 3.1.68	266	-	29.1	P
7-8	Golden Bay	15.6.68	430	-	40.6	A

## Experiment No. WA 093

Place of release : Leschenault Inlet Date of release : 12 April 1967  
 Number of fish released : 31 Lengths : (20-25)  
 Per cent recaptured : 22.6%

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Bunbury	21.4.67	6	-	25.4	A
2	Leschenault Inlet	24.4.67	9	-	25.4	A
3	Palm Beach	23.7.67	99	-	30.5	A
4	Quindalup	31.7.67	107	-	32.4	A
5	Warnbro Sound	27.1.68	287	-	30.5	A
6	Safety Bay	18.3.68	338	-	-	A
7	Burselton	22.3.68	342	-	-	A

Experiment No. **WA 094**

Place of release : Leschenault Inlet Date of release : 16 April 1967  
 Number of fish released : 1 Lengths : 22 (1)  
 Per cent recaptured : 100%

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Leschenault Inlet	* 16.5.67	67	22.0	27.9	A

Experiment No. **WA 095**

Place of release : Leschenault Inlet Date of release : 17 April 1967  
 Number of fish released : 24 Lengths : (21-24)  
 Per cent recaptured : 33.3%

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Leschenault Inlet	23.4.67	6	-	22.9	A
2	" "	18.5.67	31	-	-	-
3	" "	4.6.67	48	-	-	-
4	" "	18.6.67	62	-	31.8	P
5	Mandurah Beach	16.9.67	152	-	30.5	-
6	Fremantle area	28.10.67	194	-	33.0	-
7	Bunbury	1.1.68	259	-	34.3	-
8	Quindalup	23.5.69	767	-	57.8	-

Experiment No. **WA 096**

Place of release : Leschenault Inlet Date of release : 18 April 1967  
 Number of fish released : 11 Lengths : (21-23)  
 Per cent recaptured : 27.3%

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Bunbury	23.4.67	5	-	-	A
2	"	16.5.67	28	-	-	A
3	Waikiki	30.7.67	103	-	26.4	A

Experiment No. **WA 097**

Place of release : Leschenault Inlet Date of release : 20 April 1967  
 Number of fish released : 3 Lengths : (21-23)  
 Per cent recaptured : 0%

Experiment No. **WA 098**

Place of release : Fremantle Harbour Date of release : 23 April 1967  
 Number of fish released : 2 Lengths : (24-26)  
 Per cent recaptured : 50.0%

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Point Walter	2.5.67	9	-	-	-

## Experiment No. WA 099

Place of release : Fremantle Harbour Date of release : 26 April 1967  
 Number of fish released : 9 Lengths : (21-27)  
 Per cent recaptured : 33.3%

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1-2	Fremantle	17.5.67	21	-	30.5	A
3	City Beach	19.5.67	23	-	-	A

## Experiment No. WA 100

Place of release : Cheyne Bay Date of release : 11 October 1967  
 Number of fish released : 935 Lengths : (50-64)  
 Per cent recaptured : 10.8%

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1-4	Cheyne Bay	12.11.67	32	-	55.9	A
5	Duke of Orleans Bay	14.11.67	34	-	61.0	A
6	Alexander Bay	18.11.67	38	-	59.7	A
7	Cheyne Bay	19.11.67	39	-	61.0	A
8	Alexander Bay	"	"	-	53.3	A
9	"	3.12.67	53	-	45.7	A
10	Duke of Orleans Bay	16.12.67	66	-	57.1	A
11	Cheyne Beach	21.2.68	133	-	-	P
12	"	7.3.68	148	-	-	P
13-14	Salmon Bay	"	"	-	-	P
15	Nanarup	8.3.68	149	-	-	P
16	Boat Harbour East	"	"	-	-	P
17	Cheyne Beach	"	"	-	-	P
18	"	9.3.68	150	-	63.0	P
19	"	"	"	-	65.0	P
20	"	"	"	-	-	P
21	Boat Harbour West	"	"	-	-	P
22	Hamelin Bay	10.3.68	151	-	77.5	P
23	Cheyne Beach	12.3.68	153	-	61.6	P
24	"	13.3.68	154	-	62.0	P
25-27	"	"	"	-	-	P
28	Nanarup	"	"	-	60.3	P
29	Pallinup	"	"	-	61.0	P
30	Parry Inlet	"	"	-	-	P
31	Bremer Bay	"	"	-	-	P

## Experiment No. WA 100 (cont.)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
32	Dillon Bay	14.3.68	155	-	57.0	P
33	Cheyne Beach	15.3.68	156	-	-	P
34	Betty Bay	16.3.68	157	-	61.0	P
35	Nanarup	17.3.68	158	-	56.8	P
36	Bremer Bay	18.3.68	159	-	-	P
37	Peaceful Bay	"	"	-	-	P
38	Point Charles	* 19.3.68	160	-	61.0	P
39	Cheyne Beach	19.3.68	"	-	-	P
40	Nanarup	"	"	-	59.7	P
41	"	"	"	-	62.2	P
42	Hamelin Bay	"	"	-	-	P
43	Parry Inlet	"	"	-	-	P
44	Doubtful Island Bay	20.3.68	161	-	61.0	P
45	Hamelin Bay	"	"	-	63.5	P
46	" "	21.3.68	162	-	66.0	P
47	Two People Bay	"	"	-	-	P
48	Tooregullup	21.3.68	162	-	-	P
49	Cape Riche	23.3.68	164	-	-	P
50	Cheyne Beach	25.3.68	166	-	-	P
51	Boat Harbour East	26.3.68	167	-	-	P
52	Two People Bay	"	"	-	59.0	P
53	Pallinup	"	"	-	-	P
54	Bunker Bay	27.3.68	168	-	-	P
55-57	Cheyne Beach	28.3.68	169	-	-	P
58-59	" "	29.3.68	170	-	-	P
60	Tooregullup	30.3.68	171	-	-	P
61-62	Pallinup	31.3.68	172	-	-	P
63-64	Cheyne Beach	"	"	-	-	P
65	Boat Harbour West	"	"	-	-	P
66	Parry Inlet	3.4.68	175	-	-	P
67	Two People Bay	4.4.68	176	-	-	P
68-69	Salmon Bay	"	"	-	-	P
70	Betty Bay	6.4.68	178	-	58.4	A
71	Smith Beach	"	"	-	58.0	P
72	Nanarup	8.4.68	180	-	59.7	P
73	Pallinup	11.4.68	183	-	61.0	P
74	Shelley Beach	* 12.4.68	184	-	-	P
75	Torbay	13.4.68	185	-	-	P
76-77	"	14.4.68	186	-	-	P
78	Shelley Beach	* 15.4.68	187	-	-	P
79	Nanarup	21.4.68	193	-	56.5	P
80-82	Eagle Bay area	30.4.68	202	-	-	P
83	Castle Rock	25.5.68	227	-	-	A
84-85	Nanarup	26.5.68	228	-	-	P
86	Doubtful Island Bay	4.12.68	420	-	-	P
87	Nanarup	27.12.68	443	-	-	P



Experiment No **WA 100** (cont.)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
88-89	Cheyne Beach	15.1.69	462	-	-	P
90	" "	16.1.69	463	-	66.1	P
91	Nanarup	12.2.69	490	-	63.5	A
92	Torbay	26.2.69	504	-	-	P
93	" "	" "	" "	-	61.6	P
94	Cheyne Beach	28.2.69	506	-	-	P
95	Parry Inlet	3.3.69	509	-	-	P
96-97	Cheyne Beach	4.3.69	510	-	-	P
98	Torbay	6.3.69	512	-	-	P
99	Mutton Bird Island	" "	" "	-	-	P
100	Ocean Beach	8.3.69	514	-	-	P
101	Cheyne Beach	17.3.69	523	-	69.3	P

Experiment No. **WA 101**

Place of release : Cape le Grand

Date of release : 14 October 1967

Number of fish released : 1661

Lengths : (50-65)

Per cent recaptured : 22.3%

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Rossiter Bay	29.10.67	15	-	58.4	A
2	Esperance	30.10.67	16	-	58.4	A
3	Esperance area	" "	" "	-	59.7	A
4	" "	31.10.67	17	-	58.4	A
5-6	" area	3.11.67	20	-	59.7	A
7-9	" "	4.11.67	21	-	58.4	A
10	Esperance area	" "	" "	-	71.1	A
11	" "	5.11.67	22	-	55.9	A
12	" "	12.11.67	29	-	67.3	A
13	Cheyne Bay	" "	" "	-	55.9	A
14	Esperance	14.11.67	31	-	-	A
15	Alexander Bay	18.11.67	35	-	-	A
16	Rossiter Bay	19.11.67	36	-	58.4	A
17	Cape Le Grand	29.12.67	76	-	54.6	A
18	Esperance area	5.1.68	83	-	62.2	A
19	" "	1.2.68	110	-	63.5	A
20	" "	8.2.68	117	-	63.5	A
21-22	Dillon Bay	" "	" "	-	-	P

Experiment No. **WA 101** (cont.)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
23	" "	19.2.68	128	-	-	P
24	Cheyne Beach	21.2.68	130	-	-	P
25	Betty Bay	22.2.68	131	-	61.6	P
26	Cape Riche	"	"	-	61.6	P
27-28	Boat Harbour East	23.2.68	132	-	-	P
29	Cheyne Beach	25.2.68	134	-	58.7	P
30	Mutton Bird Island	26.2.68	135	-	-	P
31	" " "	29.2.68	138	-	-	P
32	Esperance area	"	"	-	63.5	A
33-37	Cheyne Beach	2.3.68	140	-	-	P
38	" "	"	"	-	61.6	P
39	" "	"	"	-	64.6	P
40	" "	3.3.68	141	-	64.6	P
41	" "	4.3.68	142	-	61.6	P
42-45	" "	7.3.68	145	-	-	P
46-50	Salmon Bay	"	"	-	-	P
51-52	Boat Harbour East	8.3.68	146	-	-	P
53	Pallinup	"	"	-	-	P
54	Cheyne Beach	"	"	-	-	P
55	Bremer Bay	"	"	-	-	P
56	Pallinup	"	"	-	-	P
57	Two People Bay	"	"	-	-	P
58	" " "	9.3.68	147	-	-	P
59	Cheyne Beach	"	"	-	-	P
60	" "	"	"	-	60.0	P
61	" "	"	"	-	66.0	P
62-63	Mutton Bird Island	9.3.68	147	-	-	P
64-65	Tooregullup	"	"	-	-	P
66	Betty Bay	"	"	-	60.0	P
67	Nanarup	12.3.68	150	-	62.2	P
68	Smith Beach	"	"	-	-	P
69	Mutton Bird Island	"	"	-	-	P
70	Cheyne Beach	"	"	-	-	P
71	Tooragullup	"	"	-	56.0	P
72	Nanarup	13.3.68	151	-	59.7	P
73	Bremer Bay	"	"	-	-	P
74-81	Cheyne Beach	"	"	-	-	P
82	" "	"	"	-	57.2	P
83	Pallinup	"	"	-	61.0	P
84	"	"	"	-	64.8	P
85-86	"	"	"	-	68.6	P
87	Bremer Bay	14.3.68	152	-	-	P
88	" "	15.3.68	153	-	-	P
89-90	Cheyne Beach	"	"	-	-	P
91-92	Cape Riche	"	"	-	-	P

Experiment No. **WA 101** (cont.)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
93	Torbay	"	"	-	-	P
94-95	Cheyne Beach	16.3.68	154	-	-	P
96-97	" "	17.3.68	155	-	-	P
98	Nanarup	"	"	-	64.8	P
99	Bremer Bay	18.3.68	156	-	-	P
100	Pallinup	"	"	-	59.7	P
101	"	"	"	-	61.6	P
102-103	Torbay	"	"	-	-	P
104	"	"	"	-	56.0	P
105-107	Tooregullup	"	"	-	-	P
108	"	"	"	-	57.2	P
109	Betty Bay	"	"	-	61.0	P
110	Cheyne Beach	"	"	-	-	P
111	" "	19.3.68	157	-	-	P
112	Hamlin Bay	"	"	-	61.0	P
113-114	Point Charles	"	"	-	61.0	P
115	" "	"	"	-	63.5	P
116-117	Parry Inlet	"	"	-	-	P
118	Doubtful Island Bay	"	"	-	63.5	P
119	Nanarup	"	"	-	58.4	P
120	"	"	"	-	59.6	P
121	"	"	"	-	66.0	P
122	Dillon Bay	"	"	-	-	P
123	Bunker Bay	20.3.68	158	-	-	P
124	Hamlin Bay	"	"	-	58.4	P
125-131	Tooregullup	21.3.68	159	-	-	P
132	Betty Bay	"	"	-	58.4	P
133-134	Doubtful Island Bay	"	"	-	61.0	P
135-137	Two People Bay	"	"	-	-	P
138	Hamlin Bay	"	"	-	61.0	P
139	" "	"	"	-	76.2	P
140	Pallinup	"	"	-	-	P
141	Cheyne Beach	"	"	-	-	P
142	Bremer Bay	"	"	-	-	P
143	Salmon Bay	"	"	-	-	P
144	Hamlin Bay	22.3.68	160	-	63.5	P
145	" "	"	"	-	66.0	P
146-148	Cheyne Beach	"	"	-	-	P
149	" "	23.3.68	161	-	-	P
150	Cape Riche	"	"	-	-	P
151	Wedge Island	"	"	-	68.6	A
152-154	Cheyne Beach	24.3.68	162	-	-	P
155	Bunker Bay	"	"	-	-	P
156	Meelup	"	"	-	-	P

## Experiment No. WA 101 (cont.)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
157-158	Cheyne Beach	25.3.68	163	-	-	P
159-165	Salmon Bay	"	"	-	-	P
166-168	Boat Harbour East	26.3.68	164	-	-	P
169-171	Pallinup	"	"	-	-	P
172	Cape Riche	"	"	-	-	P
173-174	Doubtful Island Bay	"	"	-	61.0	P
175	" " "	"	"	-	63.5	P
176-179	Cheyne Beach	"	"	-	-	P
180	Bremer Bay	"	"	-	-	P
181-182	Tooregullup	27.3.68	165	-	-	P
183	Torbay	"	"	-	-	P
184	Cape Riche	"	"	-	-	P
185-194	Cheyne Beach	28.3.68	166	-	-	P
195	Hamlin Bay	"	"	-	-	P
196-198	Cheyne Beach	29.3.68	167	-	-	P
199	" " *	29.3.68	"	-	-	P
200-201	Eagle Bay	29.3.68	"	-	-	P
202	Doubtful Island Bay	30.3.68	168	-	61.0	P
203	" " "	"	"	-	63.5	P
204	Tooregullup	"	"	-	-	P
205-206	Cheyne Beach	31.3.68	169	-	-	P
207-209	Pallinup	"	"	-	-	P
210	Salmon Bay	"	"	-	-	P
211	Parry Inlet	"	"	-	-	P
212	Two People Bay	"	"	-	-	P
213-214	Betty Bay	2.4.68	171	-	-	P
215	Parry Inlet	3.4.68	172	-	-	P
216	Bunker Bay	"	"	-	-	P
217	Torbay	4.4.68	173	-	-	P
218-223	Salmon Bay	"	"	-	-	P
224	Pallinup	"	"	-	61.0	P
225	Eagle Bay	"	"	-	63.5	A
226	Doubtful Island Bay	"	"	-	61.0	P
227-230	" " "	5.4.68	174	-	61.0	P
231	" " "	"	"	-	66.0	P
232	Bremer Bay	"	"	-	59.7	A
233-236	Tooregullup	7.4.68	176	-	-	P
237	Cheyne Beach	8.4.68	177	-	-	P
238	Pallinup	11.4.68	180	-	58.4	P
239	"	"	"	-	61.0	P
240	"	"	"	-	62.9	P
241	"	"	"	-	63.5	P
242	Hopetown	13.4.68	182	-	68.6	A
243	Nanarup	"	"	-	59.7	P

## Experiment No. WA 101 (cont.)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
244-247	Torbay	"	"	-	-	P
248-256	"	14.4.68	183	-	-	P
257	Esperance area	20.4.68	189	-	64.8	A
258	Nanarup	21.4.68	190	-	57.1	P
259	"	27.4.68	196	-	55.2	A
260-264	Eagle Bay area	30.4.68	199	-	-	P
265	Esperance area	7.5.68	206	-	58.4	A
266	Nanarup	13.5.68	212	-	63.5	P
267	"	"	"	-	66.0	P
268	Meelup	17.5.68	216	-	63.5	P
269	Hamlin Bay	18.5.68	217	-	-	P
270	Quindelup	19.5.68	218	-	-	P
271	City Beach	21.5.68	220	-	61.0	A
272	Meelup	24.5.68	223	-	-	P
273	Tooregullup	30.5.68	229	-	61.0	P
274-277	Bremer Bay	* 31.5.68	230	-	62.5	A
278	Boat Harbour West	2.6.68	232	-	-	P
279	Esperance area	"	"	-	57.1	A
280	Haul Off Rock	3.6.68	233	-	-	A
281	Esperance (56 km W)	6.6.68	236	-	63.5	A
282	Esperance area	4.10.68	356	-	68.6	A
283	Barker Inlet	17.11.68	400	-	61.0	A
284	Doubtful Island Bay	7.12.68	420	-	-	P
285	Nanarup	27.12.68	440	-	-	P
286-288	Cheyne Beach	15.1.69	459	-	-	P
289	Cheyne Beach	16.1.69	460	-	63.1	P
290	Bremer Bay	26.1.69	470	-	-	P
291	"	5.2.69	480	-	61.6	P
292	Tooregullup	18.2.69	493	-	63.5	P
293-294	Betty Bay	20.2.69	495	-	-	P
295	Nanarup	22.2.69	497	-	72.4	P
296-298	Cheyne Beach	23.2.69	498	-	-	P
299-300	"	"	"	-	61.3	P
301	"	24.2.69	499	-	-	P
302	Peaceful Bay	25.2.69	500	-	-	P
303	Bremer Bay	"	"	-	-	P
304-305	Torbay	26.2.69	501	-	-	P
306	"	"	"	-	61.6	P
307	"	"	"	-	63.1	P
308-312	Cheyne Beach	28.2.69	503	-	-	P
313	Shelley Beach	1.3.69	504	-	-	P
314-317	Dillon Bay	2.3.69	505	-	-	P
318	Cheyne Beach	4.3.69	507	-	-	P
319	"	"	"	-	61.6	P
320	Peaceful Bay	"	"	-	-	P

## Experiment No. WA 101 (cont.)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
321-322	Betty Bay	"	"	-	-	P
323-326	Cheyne Beach	5.3.69	508	-	-	P
327	Bonito Beach	"	"	-	-	P
328	Boat Harbour West	"	"	-	-	P
329	Doubtful Island Bay	6.3.69	509	-	-	P
330	Eagle Bay	"	"	-	68.6	P
331-333	Torbay	"	"	-	-	P
334	Ocean Beach	"	"	-	-	P
335	" "	"	"	-	68.6	P
336-337	Cheyne Beach	"	"	-	-	P
338	Bunker Bay	7.3.69	510	-	69.8	A?
339-340	Ocean Beach	"	"	-	-	P
341	" "	"	"	-	72.4	P
342-344	Parry Inlet	9.3.69	512	-	-	P
345	Albany	"	"	-	70.3	A
346	Bonito Beach	"	"	-	-	P
347	Bunker Bay	10.3.69	513	-	-	P
348	Torbay	12.3.69	515	-	61.0	P
349	Hamlin Bay	14.3.69	517	-	-	P
350	Salmon Beach	16.3.69	519	-	-	P
351	Ocean Beach	18.3.69	521	-	76.2	P
352	Doubtful Island Bay	"	"	-	63.0	P
353	Bremer Bay	19.3.69	522	-	-	P
354	Salmon Beach	20.3.69	523	-	-	P
355	Hunt's Cannery	21.3.69	524	-	-	P
356	Betty Bay	24.3.69	527	-	-	P
357	Hamlin Bay	25.3.69	528	-	-	P
358	Peaceful Bay	"	"	-	-	P
359	West Garden Island	14.4.69	548	-	71.1	A
360	Eagle Bay	30.4.69	564	-	58.4	A?
361	Quindelup	23.5.69	587	-	64.8	P
362	Esperance	28.5.69	592	-	61.0	A
363	Cockburn Sound	20.6.69	615	-	68.6	A
364	Golden Bay	30.6.69	625	-	63.5	A
365	Betty Bay	18.2.70	858	-	-	P
366	Cheyne Beach	19.2.70	859	-	-	P
367-368	Torbay	23.2.70	863	-	-	P
369	Doubtful Island Bay	14.3.70	882	-	-	P
370	Triglow	2.4.70	901	-	-	P

## Experiment No. WA 102

Place of release : Alexander Bay

Date of release : 19 October 1967

Number of fish released : 163

Lengths : (49-62)

Per cent recaptured : 49.7%

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Alexander Bay	3.11.67	15	-	61.0	A
2	" "	18.11.67	30	-	-	A
3	Cheyne Beach	4.3.68	137	-	-	-
4-6	" "	7.3.68	140	-	-	-
7	Nanarup	"	"	-	-	-
8	Two People Bay	8.3.68	141	-	-	-
9	Bremer Bay	"	"	-	-	-
10	Cheyne Beach	9.3.68	142	-	59.0	P
11	Mutton Bird Island	"	"	-	-	-
12	Parry Inlet	"	"	-	-	-
13	Salmon Bay	11.3.68	144	-	-	-
14	" "	"	"	-	59.7	P
15	Cheyne Beach	12.3.68	145	-	61.0	P
16-17	" "	13.3.68	146	-	-	-
18	Cape Riche	15.3.68	148	-	-	-
19	Cheyne Beach	16.3.68	149	-	-	-
20	" "	19.3.68	152	-	-	-
21	Parry Inlet	"	"	-	-	-
22	Nanarup	"	"	-	60.3	P
23	Hamlin Bay	20.3.68	153	-	-	-
24	Quindalup	"	"	-	-	-
25	Cheyne Beach	21.3.68	154	-	-	-
26	" "	22.3.68	155	-	-	-
27-28	Hamlin Bay	"	"	-	-	-
29	Pallinup	"	"	-	66.0	P
30	Cheyne Beach	23.3.68	156	-	-	-
31	Smith Beach	"	"	-	-	-
32	Salmon Bay	25.3.68	158	-	-	-
33	Eagle Bay	"	"	-	71.1	A
34	Mutton Bird Island	26.3.68	159	-	-	-
35	Cheyne Beach	"	"	-	-	-
36-39	Pallinup	"	"	-	-	-
40	Two People Bay	"	"	-	-	-
41	Peaceful Bay	27.3.68	160	-	-	-
42	Tooregullup	"	"	-	-	-
43	Torbay	"	"	-	-	-
44-46	Cheyne Beach	28.3.68	161	-	-	-
47	" "	31.3.68	164	-	-	-
48-49	Bunker Bay	3.4.68	167	-	-	-
50	Two People Bay	4.4.68	168	-	-	-

## Experiment No. WA 102 (cont.)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
51	Doubtful Island Bay	"	"	-	61.0	P
52	" " "	5.4.68	169	-	61.0	P
53	Cheyne Beach	8.4.68	172	-	-	P
54	Doubtful Island Bay	11.4.68	175	-	63.5	P
55-56	Pallinup	11.4.68	175	-	62.2	P
57	"	"	"	-	64.8	P
58	Salmon Bay	12.4.68	176	-	-	-
59	Torbay	13.4.68	177	-	-	-
60	"	14.4.68	178	-	-	-
61	Albany	15.4.68	179	-	71.1	A
62	Quindalap	27.4.68	191	-	-	P
63	"	28.4.68	192	-	66.0	P
64	"	29.4.68	193	-	66.0	P
65-66	Eagle Bay area	30.4.68	194	-	-	-
67	Warren River	18.5.68	212	-	-	A
68	Boat Harbour West	2.6.68	227	-	-	P
69	Hopetown	15.11.68	393	-	67.3	A
70	Doubtful Island Bay	7.12.68	415	-	-	-
71	Nanarup	1.1.69	440	-	-	-
72	Cheyne Beach	15.1.69	454	-	-	-
73	Bremer Bay	25.2.69	495	-	-	-
74	Cheyne Beach	28.2.69	498	-	-	-
75	Torbay	3.3.69	501	-	-	-
76	Peaceful Bay	4.3.69	502	-	61.6	P
77	Betty Bay	"	"	-	-	-
78	Cheyne Beach	6.3.69	504	-	-	-
79	Peaceful Bay	16.3.69	514	-	-	-
80	Torbay	22.3.70	885	-	-	-
81	Nanarup	31.3.72	1623	-	-	A



## Experiment No. WA 103

Place of release : Mississippi Bay      Date of release : 20 October 1967  
 Number of fish released : 1321          Lengths : (25-38)  
 Per cent recaptured : 8.7%

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
1	Esperance	3.11.67	14	-	30.5	A
2	" area	11.11.67	22	-	-	A
3	Alexander Bay	12.11.67	23	-	29.9	A
4	Esperance	20.11.67	31	-	31.8	A
5-7	Cheyne Bay	9.12.67	50	-	33.7	A
8-10	" "	" "	" "	-	34.3	A
11	" "	10.12.67	51	-	33.7	A
12	Esperance	26.12.67	67	-	19.0	A
13	Cheyne Bay	10.1.68	82	-	33.0	A
14	Lucky Bay	12.1.68	84	-	34.3	A
15	Esperance	28.1.68	100	-	34.3	A
16	Cheyne Bay	29.1.68	101	-	53.3	A
17	Esperance	5.2.68	108	-	37.5	A
18	" area	15.5.68	208	-	45.7	A
19	" (13 km E)	8.4.69	536	-	44.4	A
20	" "	18.5.69	576	-	50.8	A
21	" (64 km E)	10.10.69	721	-	45.7	A
22	" "	" "	" "	-	50.8	A
23	" "	" "	" "	-	52.1	A
24	" "	" "	" "	-	53.3	A
25-69	Cape Le Grand	* 15.10.69	726	-	-	P
70	Esperance	17.1.70	820	-	63.5	A
71	Dunns Rocks	18.1.70	821	-	61.0	A
72	Cheyne Beach	19.2.70	853	-	-	P
73	Reef Beach	1.3.70	863	-	72.4	A
74	Torbay	19.3.70	881	-	-	P
75-76	Cheyne Beach	22.3.70	884	-	-	P
77	" "	" "	" "	-	58.7	P
78	Bonito Beach	23.3.70	885	-	60.2	P
79	Doubtful Island Bay	" "	" "	-	-	P
80-83	Triglow	" "	" "	-	-	P
84	"	27.3.70	889	-	-	P
85	Dunns Rocks	29.3.70	891	-	68.6	A
86-88	Peaceful Bay	9.4.70	902	-	-	P
89	Hunts Cannery	10.4.70	903	-	-	P
90	Betty Bay	15.4.70	908	-	57.2	P
91	Nanarup	14.7.70	998	-	58.7	P
92	"	" "	" "	-	60.0	P
93	"	" "	" "	-	62.2	P
94	"	25.7.70	1009	-	63.8	P

## Experiment No. WA 103 (cont.)

Recapture number	Locality	Date of recapture	Days free	Length (cm) at release	Length (cm) at recapture	Returned by
95	Dillon Bay	* 2.2.71	1201	-	63.0	P
96	" "	"	"	-	64.0	P
97	" "	* 8.3.71	1235	-	51.0	P
98	" "	"	"	-	62.0	P
99	Cape Riche	"	"	-	64.0	P
100	Mutton Bird Island	* 12.3.71	1239	-	66.0	P
101	" " "	"	"	-	71.1	P
102	Salmon Bay	15.3.71	1242	-	66.1	P
103	Doubtful Island Bay	* 15.3.71	"	-	-	P
104	Cheyne Beach	* 17.3.71	1244	-	63.1	P
105	Betty Bay	18.3.71	1245	-	71.1	P
106-108	" "	24.3.71	1251	-	71.1	P
109	Pallinup	25.3.71	1252	-	78.7	P
110	Windy Harbour	27.3.71	1254	-	-	A
111	Busselton	10.4.71	1268	-	-	A
112	Hunts Cannery	* 7.7.71	1356	-	-	P
113	North Stony Island	* 15.8.71	1395	-	-	A
114	Nanarup	31.3.72	1622	-	-	A
115	Hunts Cannery	* 15.5.72	1669	-	66.1	P

Experiment No. **WA 104**

Place of release : Israelite Bay      Date of release : 14 April 1975  
 Number of fish released : 8      Age composition : 0 (4); 1 (4)  
 Per cent recaptured : 0%

Experiment No. **WA 105**

Place of release : Alexander Bay      Date of release : 23 April 1975  
 Number of fish released : 6      Age composition : 0 (5); 1 (1)  
 Per cent recaptured : 16.7%

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Recap. number	Locality	Date of recap.	Days free	Age (yrs) at rel.	Age (yrs) at recap.	Length (cm) at rel.	Length (cm) at recap.	Ret'd by
1	Cheyne Beach	8.3.77	686	#1	#3	34.6	56.6	P

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Experiment No. **WA 106**

Place of release : Cape Le Grand      Date of release : 30 April 1975  
 Number of fish released : 6      Age composition : 0 (6)  
 Per cent recaptured : 16.7%

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Recap. number	Locality	Date of recap.	Days free	Age (yrs) at rel.	Age (yrs) at recap.	Length (cm) at rel.	Length (cm) at recap.	Ret'd by
1	Cape Le Grand	14.7.75	76	0	0	25.9	26.0	A

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Experiment No. **WA 107**

Place of release : Israelite Bay Date of release : 10 May 1975  
 Number of fish released : 10 Age composition : 1 (1); 2 (8); 3 (1)  
 Per cent recaptured : 50.0%

Recap. number	Locality	Date of recap.	Days free	Age (yrs) at rel.	recap.	Length (cm) at rel.	recap.	Ret'd by
1	Doubtful Island	21.3.76	317	2	#3	51.1	60.3	P
2	" "	28.3.76	324	3	4	58.1	64.1	P
3	Salmon Beach	29.3.76	325	2	3	49.3	59.2	P
4	Cheyne Beach	7.3.77	668	2	\$4	47.2	63.0	P
5	Albany area	* 15.3.77	676	#	#4	47.2	66.0	P

Experiment No. **WA 108**

Place of release : Israelite Bay Date of release : 10 May 1975  
 Number of fish released : 49 Age composition : 2 (39); 3 (10)  
 Per cent recaptured : 24.5%

Recap. number	Locality	Date of recap.	Days free	Age (yrs) at rel.	recap.	Length (cm) at rel.	recap.	Ret'd by
1	Pallinup	17.3.76	313	2	#3	48.6	57.3	P
2	"	"	"	3	#4	59.0	61.8	P
3	"	24.3.76	320	#2	#3	52.6	61.8	P
4	Bremer Bay	11.2.77	644	#2	4	49.2	-	P
5	Cheyne Beach	21.2.77	654	#2	#4	46.2	61.6	P
6	" "	6.3.77	667	#2	#4	47.3	63.0	P
7	" "	7.3.77	668	2	#4	43.5	61.6	P
8	" "	"	"	#2	#4	46.5	60.7	P
9	Bunker Bay	23.3.77	684	2	4	47.0	-	P
10	Doubtful Island	29.3.77	690	#2	#4	47.5	57.6	P
11	Albany area	30.3.77	691	#2	#4	49.6	60.1	P
12	Hamelin Bay	8.3.79	1399	#2	#6	50.2	71.5	P

Experiment No. **WA 109**

Place of release : Israelite Bay    Date of release : 10 May 1975  
 Number of fish released : 14        Age composition : 2 (14)  
 Per cent recaptured : 57.1%

Recap. number	Locality	Date of recap.	Days free	Age (yrs) at rel.    recap.	Length (cm) at rel.    recap.	Ret'd by
1	Two People Bay	15.3.76	311	#2        3	49.2      58.7	P
2	Cheyne Beach	6.4.76	333	#2        #3	46.7      56.8	P
3	Bettys Beach	16.2.77	649	#2        #4	48.7      66.7	P
4	Bremer Bay	5.3.77	666	#2        #4	48.0      63.0	P
5	Cheyne Beach	7.3.77	668	2        #4	49.6      64.5	P
6	Albany area	17.3.77	678	2        #4	47.0      63.0	P
7	Pallinup	29.3.77	690	#2        #4	43.7      57.7	P
8	Doubtful Island	3.4.77	695	2        #4	45.4      54.4	P

## Experiment No. WA 110

Place of release : Israelite Bay      Date of release : 10 May 1975  
 Number of fish released : 60          Age composition : 2 (60)  
 Per cent recaptured : 38.3%

Recap. number	Locality	Date of recap.	Days free	Age (yrs) at rel.	Age (yrs) at recap.	Length (cm) at rel.	Length (cm) at recap.	Ret'd by
1	Israelite Bay	11.5.75	2	+2	2	-	-	P
2	" "	13.5.75	4	+2	2	-	-	A
3	Boat Harbour E.	4.3.76	300	+2	3	-	63.3	P
4	Pallinup	13.3.76	309	+2	#4	-	61.8	P
5	"	24.3.76	320	+2	#3	-	57.6	P
6	Doubtful Island	26.3.76	322	+2	#3	-	60.3	P
7	Walpole Inlet	"	"	+2	3	-	59.1	P
8	Cheyne Beach	27.3.76	323	+2	#3	-	55.8	P
9	Hunt's Cannery, Albany	"	"	+2	3	-	61.8	P
10	Doubtful Island	30.3.76	326	+2	#3	-	55.3	P
11	" "	2.4.76	329	+2	#3	-	55.6	P
12	Cape Riche	4.4.76	331	+2	3	-	54.4	P
13	Peaceful Bay	17.4.76	344	+2	#3	-	56.5	A
14	Point Charles	18.4.76	345	+2	3	-	61.0	A
15	Bornholm	15.5.76	372	+2	3	-	-	A
16	"	10.7.76	428	+2	3	-	-	A
17	Point Charles	2.10.76	512	+2	4	-	-	A
18	Doubtful Island	26.2.77	659	+2	#4	-	67.4	P
19	Cheyne Beach	3.3.77	664	+2	#4	-	61.1	P
20	" "	6.3.77	667	+2	4	-	-	P
21	Margaret River	26.3.77	687	+2	4	-	-	A
22	Doubtful Island	4.4.77	696	+2	#4	-	61.6	P
23	Albany area	6.4.77	698	+2	#4	-	67.6	P

## Experiment No. WA 111

Place of release : Israelite Bay      Date of release : 13 May 1975  
 Number of fish released : 9          Age composition : 0 (9)  
 Per cent recaptured : 0%

Experiment No. **WA 112**

Place of release : Israelite Bay    Date of release : 11 May 1975  
 Number of fish released : 19        Age composition : 1 (1); 2 (16); 3 (2)  
 Per cent recaptured : 47.4%

Recap. number	Locality	Date of recap.	Days free	Age (yrs) at rel.	Age (yrs) at recap.	Length (cm) at rel.	Length (cm) at recap.	Ret'd by
1	Israelite Bay	18.10.75	161	#2	#3	49.7	58.0	P
2	Bremer Bay	3.3.76	298	#3	4	56.5	63.2	P
3	Walpole Inlet	1.4.76	327	#2	#3	49.0	55.5	P
4	Hunts Cannery, Albany	5.4.76	331	#2	#	50.6	58.8	P
5	Cape Adieu	20.7.76	437	#1	2	37.9	55.0	P
6	Warren Beach	28.8.76	476	#2	2	49.5	-	A
7	Cheyne Beach	6.3.77	666	#2	#4	49.2	62.6	P
8	" "	7.3.77	667	#2	#4	47.4	61.6	P
9	" "	"	"	#2	#4	48.5	58.6	P

Experiment No. **WA 113**

Place of release : Israelite Bay    Date of release : 12 May 1975  
 Number of fish released : 3        Age composition : 1 (3)  
 Per cent recaptured : 0%

Experiment No. **WA 114**

Place of release : Alexander Bay    Date of release : 4 February 1976  
 Number of fish released : 6        Age composition : 0 (6)  
 Per cent recaptured : 0%

Experiment No. **WA 115**

Place of release : Alexander Bay      Date of release : 9 February 1976  
 Number of fish released : 22      Age composition : 0 (22)  
 Per cent recaptured : 0%

Experiment No. **WA 116**

Place of release : Cheyne Bay      Date of release : 10 February 1976  
 Number of fish released : 39      Age composition : 0 (39)  
 Per cent recaptured : 10.3%

Recap. number	Locality	Date of recap.	Days free	Age (yrs) at rel.	Age (yrs) at recap.	Length (cm) at rel.	Length (cm) at recap.	Ret'd by
1	Duke of Orleans Bay	1.4.76	52	0	0	17.8	-	A
2	Cheyne Bay	13.7.76	155	0	0	17.0	33.0	A
3	Wharton	1.10.76	235	0	1	14.5	30.0	A
4	"	"	"	0	1	17.8	30.0	A

Experiment No. **WA 117**

Place of release : Alexander Bay      Date of release : 12 February 1976  
 Number of fish released : 49      Age composition : 0 (49)  
 Per cent recaptured : 10.2%

Recap. number	Locality	Date of recap.	Days free	Age (yrs) at rel.	Age (yrs) at recap.	Length (cm) at rel.	Length (cm) at recap.	Ret'd by
1	Alexander Bay	?	-	0	0	17.3	-	A
2	"	18.6.76	128	0	0	16.1	24.0	A
3	"	"	"	0	0	16.8	24.0	A
4	"	"	"	0	0	17.2	24.0	A
5	Duke of Orleans Bay	14.8.77	550	0	1	15.0	32.5	A



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