

OCEANOGRAPHICAL STATION LIST

**of Investigations made by the Division of Fisheries,
Commonwealth Scientific and Industrial Research
Organization, Australia**

Volume 23

**Planktological Investigations made
by F.R.V. "Derwent Hunter"
in Eastern Australian Waters, 1952-54**

Compiled by Patricia Kott

**COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH
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PLANKTOLOGICAL INVESTIGATIONS MADE BY F.R.V. "DERWENT HUNTER" IN EASTERN
AUSTRALIAN WATERS, 1952-54

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I. INTRODUCTION

The data from plankton hauls taken at certain regularly occupied onshore Tasmanian and Victorian stations by F.R.V. *Liawenee* and F.R.V. *Derwent Hunter* have been published in Volume 22 of this series (Kott 1955). Some plankton collected by the *Derwent Hunter* in New South Wales waters were dealt with in Volume 19 (Kott 1954).

II. STATIONS

During the years 1952-54, F.R.V. *Derwent Hunter* carried out plankton investigations at a number of stations in Bass Strait and other Victorian and Tasmanian waters. In addition the vessel occupied stations DH 19/53-23/53 along the South Australian coast, DH 9/54-20/54 along the coast of New South Wales, and DH 21/54-50/54 in the Tasman Sea. The plankton hauls taken at all of these stations are dealt with in this volume.

III. COLLECTION OF MATERIAL

N70 "Discovery"-type nets have been used consistently. Horizontal surface hauls (shown as nil depth, 0 M) and vertical hauls (shown as a range of depth, e.g. 50-0 M) have been made. Vertical hauls on the continental shelf were generally open bottom-to-surface hauls, but some layered hauls (net closed below the surface) were made. At stations on the continental slope, e.g. Maria Island wide, layered vertical hauls were generally made.

IV. LABORATORY TREATMENT OF MATERIAL

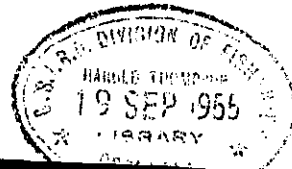
Counts have been made of all individuals in one-tenth of the haul (Kott 1953), except where the haul was small, when the total haul has been counted. All Appendicularia, Acopa, Euphausiacea, Copepoda, and Cladocera have been identified.

V. PRESENTATION OF DATA

Under the heading "Station" details of location, date, time, and depth of haul are given whenever this information was recorded.

Data are presented in columns with abbreviated headings as follows:

Fl Fish larvae	E Euphausiids
Fe Fish eggs	Co Copepods
Ap Appendicularia	Cl Cladocera
Ac Acopa	Ch Chaetognaths



There is an additional column for miscellaneous forms not included in the above list.

Quantities are indicated by symbols when

$$x = 1-10$$

$$x^2 = 100$$

$$4x^3 = 4000$$

$$x'' = \text{swarms present.}$$

These symbols are followed by a key letter representing the dominant and subdominant species, though it was found expedient to list only the three most plentiful copepods occurring in each haul.

The following list indicates the key letter used for the species identified in the collections:

APPENDICULARIA

- | | | | |
|---|------------------------------|---|---------------------------------|
| a | <i>Oikopleura longicauda</i> | g | <i>Oikopleura cornutogastra</i> |
| b | <i>Oikopleura fusiformis</i> | h | <i>Fritillaria megachile</i> |
| c | <i>Oikopleura rufescens</i> | i | <i>Fritillaria borealis</i> |
| d | <i>Oikopleura dioica</i> | j | <i>Oikopleura albicans</i> |
| e | <i>Fritillaria pellucida</i> | k | <i>Oikopleura haplostomata</i> |
| f | <i>Stegosoma magnum</i> | l | <i>Oikopleura megastoma</i> |

ACOPA

- | | | | |
|---|------------------------------|---|----------------------------|
| a | <i>Thalia democratica</i> | g | <i>Pyrosoma atlanticum</i> |
| b | <i>Ihlea magalhanica</i> | h | <i>Salpa maxima</i> |
| c | <i>Salpa fusiformis</i> | i | <i>Cyclosalpa</i> spp. |
| d | <i>Doliolum denticulatum</i> | j | <i>Thetys vagina</i> |
| e | <i>Doliolum gegenbauri</i> | k | <i>Brooksia vostrate</i> |
| f | <i>Iasis zonaria</i> | | |

EUPHAUSIACEA

- | | | | |
|---|----------------------------------|---|---------------------------------|
| a | <i>Calyptopsis</i> | h | <i>Euphausia similis armata</i> |
| b | <i>Thysanopoda johnstoni</i> | i | <i>Euphausia hemigibba</i> |
| c | <i>Nyctiphanes australis</i> | j | <i>Euphausia spinifera</i> |
| d | <i>Pseudeuphausia latifrons</i> | k | <i>Thysanoessa gregaria</i> |
| e | <i>Euphausia recurva</i> | l | <i>Thysanoessa vicina</i> |
| f | <i>Euphausia lucens</i> | m | <i>Nematoscelis</i> sp. |
| g | <i>Euphausia similis similis</i> | n | <i>Stylocheiron</i> spp. |

COPEPODS

- | | | | |
|---|---|---|--|
| a | <i>Acartia clausi</i> | p | <i>Acrocalanus gibber</i> and/or <i>gracilis</i> |
| b | <i>Paracalanus parvus</i> and/or <i>aculeatus</i> | q | <i>Euchaeta</i> spp. |
| c | <i>Calanus finmarchicus</i> | r | <i>Coryceus</i> spp. |
| d | <i>Calonoides brevicornis</i> | s | <i>Canthocalanus pauper</i> |
| e | <i>Undinula darwinii</i> and/or <i>vulgaris</i> | t | <i>Centropages orsinii</i> |
| f | <i>Centropages kroyeri</i> | u | <i>Eucalanus</i> spp. |
| g | <i>Centropages bradyi</i> | v | <i>Rhincalanus</i> spp. |
| h | <i>Temora turbinata</i> | w | <i>Oithona</i> spp. |
| i | <i>Clausocalanus arcuicornis</i> | x | <i>Labidocera acutum</i> |
| j | <i>Neocalanus gracilis</i> | y | <i>Labidocera cervi</i> |
| k | <i>Sapphirina</i> spp. | z | <i>Copilia</i> spp. |
| l | <i>Pleuromanna gracilis</i> and/or <i>abdominalis</i> | A | <i>Mecynocera</i> sp. |
| m | <i>Oncocoea</i> spp. | B | <i>Tortanus barbatus</i> |
| n | <i>Nannocalanus minor</i> | C | <i>Labidocera minutum</i> |
| o | <i>Centropages furcatus</i> | D | <i>Lucicutia</i> |
| | | E | <i>Metridia</i> |
| | | F | <i>Harpacticord</i> |

CLADOCERA

- | | | | |
|---|--------------------------|---|----------------------------|
| a | <i>Penilia smackeri</i> | d | <i>Evadne nordmanni</i> |
| b | <i>Evadne tergestina</i> | e | <i>Podon polyphemoides</i> |
| c | <i>Evadne spinifera</i> | | |

MISCELLANEOUS

- | | | | |
|---|----------------|---|------------------|
| a | Amphipods | h | <i>Firoloida</i> |
| b | Ctenophora | i | <i>Lucifer</i> |
| c | Coelenterates | j | Nauplii |
| d | Decapod larva | k | Echinoderm larva |
| e | Mollusc larva | l | Crustacean eggs |
| f | Ostracods | m | Isopods |
| g | <i>Creseis</i> | n | Mysids |

VI. ACKNOWLEDGMENTS

Thanks are due to the personnel of the *Derwent Hunter* and to Mrs. P. Wyllie and Miss McGrath, who assisted greatly in the laboratory. The organisms were identified by Miss P. Kott, with the exception of the Euphausiacea, which were identified by Dr. M. Blackburn with the help of Mr. K. Sheard.

VII. REFERENCES

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PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Eden Wide DH1/52 8.8.52 500-0 M 1508 hrs	x	4x			3x a x mfb	11x ³ lqv	x b	2x ²	4x f x c
DH1/52 8.8.52 500-0 M 1535 hrs		3x	3x a	5x d	3x a x gn	9x ³ lwi		x ²	x ² f 4x d
DH1/52 8.8.52 0 M 1543 hrs		4x ³	4x ² a	x ² d	5x ³	22x ⁴ ahl	x ³ b	6x ²	x ² g x d
Eden DH2/52 8.8.52 77-0 M 1950 hrs	2x		6x ² a x ² e	2x _{ch} x d x a	2x ² a 5x c	6x ³ bid	7x dcb	5x	9x c 8x d
DH2/52 8.8.52 77-0 M 2010 hrs			3x ² ac	2x c	x ² a 5x c	7x ³ bid	2x ² dbe	7x	x g x c
DH2/52 8.8.52 77-0 M 2017 hrs	x		4x ² a x ² e	2x d	2x ² a	3x ³ bid	6x b 2x c x e	3x	x ² d 2x c
Gabo Island DH3/52 10.8.52 81-0 M 0537 hrs					5x a	4x ² bid	2x e x d		x d

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Gabo Island									
DH3/52				x d	2x a	3x ²	x d	x	
10.8.52					x c	bid			
81-0 M									
0549 hrs									
DH3/52	2x	7x ²		2x ² b	4x ²	9x ³	7x ² d		5x c
10.8.52				3x a		bid			2x d
0 M									x e
0601 hrs									
Everard close									
DH4/52				x d		2x			
10.8.52						bd			
83-0 M									
1320 hrs									
DH4/52						x		x	x j
10.8.52						bd			
83-0 M									
1325 hrs									
Cape Coman									
DH5/52			2x a			3x ²		x	
10.8.52						bp			
39-0 M									
1750 hrs									
DH5/52			x a		x	3x ²			
10.8.52						bo			
39-0 M									
1755 hrs									
Lakes									
Entrance									
DH6/52			x a		2x a	x ³			
11.8.52						bcd			
39-0 M									
0537 hrs									

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Lakes Entrance									
DH6/52			9x a			2x ³ big		x	2x d
11.8.52									x j
39-0 M									x c
0545 hrs									
DH6/52		5x ²				3x ⁴ bia		5x ²	7x ² d x ² a
11.8.52									
0 M									
0548 hrs									
Port Albert wide									
DH7/52		2x	x a			3x ³ abi		x	2x f
11.8.52									x e
65-0 M									x d
1437 hrs									
DH7/52		x	2x a		x ² a x c	4x ³ bic		6x	2x d 2x c
11.8.52									
65-0 M									
1443 hrs									
Kent Group		x	x a			2x ² lj		x	x d x e
DH8/52									
12.8.52									
40-0 M									
0347 hrs									
DH8/52					6x a	4x ² bc		x	x d x c
12.8.52									
55-0 M									
0352 hrs									

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER</u>									
Kent Group DH8/52 12.8.52 55-0 M 0358 hrs					x a	3x ² bla		x	x d
DH8/52 12.8.52 55-0 M 0403 hrs					x a	4x ² bcw		x	x a
DH8/52 12.8.52 55-0 M 0408 hrs		x			2x a	2x ² bc			
DH8/52 12.8.52 0 M 0416 hrs		3x ²	x ² a			8x ⁴ bol		x ²	3x ² c 2x ² d x ³ e x ² a
Wilson's Promontory DH9/52 12.8.52 63-0 M 1103 hrs		x				6x ² bai			2x d x a
DH9/52 12.8.52 63-0 M 1107 hrs					x a	6x ² bf		x	x d
DH9/52 12.8.52 63-0 M 1113 hrs					8x a	8x ² bc	x d	x	x c

PLANKTON

Station	Fi	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Wilson's Promontory DH9/52 12.8.52 0 M 1159 hrs		x ²	3x ² a			9x ⁴ abw			
Cape Liptrap DH10/52 13.8.52 57-0 M 1042 hrs					4x ² a	4x ³ bac	x d		6x d 3x o x a
DH10/52 13.8.52 57-0 M 1047 hrs						9x ³ abw		x	6x d 3x o
Cape Woolamai DH11/52 13.8.52 61-0 M 1528 hrs					5x a	3x ³ bac			2x d x o
DH11/52 13.8.52 61-0 M 1533 hrs		3x			3x a	7x ³ bac			x o
Port Phillip Heads DH12/52 13.8.52 62-0 M 2138 hrs			spilt		4x a	8x ² b			

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Port Phillip Heads DH12/52 13.8.52 62-0 M 2144 hrs					2x ² a x c	2x ³ abc		x	
DH12/52 13.8.52 0 M 2153 hrs					3x ²	14x ⁴ ba1	2x ² e	2x ²	
Lorne DH13/52 22.8.52 62-0 M					x ² a	6x ³ boa		5x	
DH13/52 22.8.52 62-0 M					2x ² a	3x ³ bic			x a
Cape Otway DH14/52 22.8.52 0 M 1645 hrs	x	4x			7x ² a	2x ⁴ bar	x d	2x	5x ² c 9x d x a x k
DH14/52 22.8.52 65-0 M 1653 hrs		x			6x ² a	2x ³ bca		x	
DH14/52 22.8.52 65-0 M 1653 hrs		3x			6x ² a	2x ³ bc			x d x c x e

PLANKTON

Station	Fi	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Peterborough									
DH15/52	2x	3x		2x a	5x ² a	2x ³	5x d		
27.8.52					x o	abc	2x e		
62-0 M									
DH15/52		6x		x o	4x ² a	3x ³	x d		7x d
27.8.52					x o	abc			x o
62-0 M									
Port Fairy									
wide									
DH16/52		x		6x o	5x a	8x			
27.8.52									
730-0 M									
1627 hrs									
DH16/52					5x a	8x ³		2x ²	3x ² f
27.8.52					5x	lj			3x d
730-0 M					kem				x a
1855 hrs									x o
DH16/52	x	x		x o	x mi	4x ²		2x	3x f
27.8.52						sAl			x e
730-500 M									
1922 hrs									
DH16/52		2x		x o	3x a	5x ³		6x	2x ² f
27.8.52					3x	lj			2x o
730-0 M					emh				
1925 hrs									
DH16/52	x				3x a	x ³		2x ²	9x f
27.8.52					x	jl			x d
730-0 M					mih				x e
2015 hrs									

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Port Fairy wide									
DH16/52	2x			x c	2x a	2x ³		8x	5x f
27.8.52					x	jl			
730-0 M					ehi				
2148 hrs									
DH16/52		x			x	4x ²		8x	2x f
27.8.52					mi	ljs			x e
500-400 M									
2150 hrs									
DH16/52					x m	2x ²			2x f
27.8.52						ls			
400-300 M									
2220 hrs									
DH16/52						x ²			
27.8.52						lj			
300-200 M									
2245 hrs									
DH16/52	x		x a		x	4x ²		x	x d
27.8.52					ih	ljo			x c
200-100 M									x f
2252 hrs									
DH16/52					x h	2x		x	x e
27.8.52						ljn			
100-50 M									
2310 hrs									
DH16/52				x h	x e	4x ²			
27.8.52						ibl			
50-0 M									
2315 hrs									

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>ERWENT HUNTER</u>									
Port Fairy wide H16/52 3.8.52 M		2x	2x a			4x ³ ibw		2x	x c
Port Fairy H17/52 .9.52 0-0 M 000 hrs	x			x a		2x ³ bfx	4x d	x	2x c
H17/52 .9.52 0-0 M 005 hrs		x	4x a 6x i		x	3x ³ baw	3x d x e		2x d 2x c
H17/52 .9.52 M 035 hrs		6x	x a x i		5x	3x ⁴ baw	2x ² d x e		x d
Stokes Point H18/52 .9.52 0-0 M 040 hrs	x	x				4x ³ abw			4x ² j
H18/52 .9.52 0-0 M 047 hrs	x	3x	7x a		5x ² a	3x ³ bli		4x	x d x c
H18/52 .9.52 M 025 hrs		2x ²			2x	3x ³ abi			2x d

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
King Island wide									
DH19/52	x				4x a	5x ³		2x ²	2x ² f
11.9.52					2x	blj			x e
1000-0 M					kmp				x d
1940 hrs									x o
DH19/52	x				2x a	4x ³		3x ²	2x ² f
11.9.52					2x	jlb			2x o
1000-0 M					mk				2x a
2036 hrs									x e
DH19/52	x					2x ²		x	x a
11.9.52						ljw			x f
1000-500 M									
2120 hrs									
DH19/52		x				8x		x	x f
11.9.52						lj			
500-400 M									
2159 hrs									
DH19/52						x ² l		2x	
11.9.52									
400-300 M									
2221 hrs									
DH19/52					x _{km}	4x ²		x	x j
11.9.52						lj			x f
300-200 M									
2241 hrs									
DH19/52					x	2x ²		x	x f
11.9.52						ljw			
200-100 M									
2302 hrs									

PLANKTON

Station	Fi	Fa	Ap	Ac	E	Co	Cl	Ch	
<u>ERWENT HUNTER.</u>									
Ing Island wide									
119/52	x			x g		6x lj		x	x d x j x f
1.9.52									
00-50 M									
314 hrs									
119/52			x a	x i	x a	8x ² bil		x	x f
1.9.52					x h				
0-0 M									
325 hrs									
119/52	x	2x		2x j	2x	6x ³ blj		x	2x ² j 4x a
2.9.52				x c					
M				x i					
155 hrs									
1batross Island									
120/52						8x ² ijb		x	x d
3.9.52									
0-0 M									
055 hrs									
120/52						5x ² ijb		2x	5x j 4x d
3.9.52									
0-0 M									
100 hrs									
120/52		x				16x ³ i			5x f
3.9.52									
M									
125 hrs									

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Circular Head									
DH21/52					2x a	x ³ abc		5x	x d
15.9.52									
20-0 M									
1801 hrs									
DH21/52						x ² abc		3x	
15.9.52									
20-0 M									
1805 hrs									
DH21/52		3x				3x ³ ao		5x ²	3x d x b
15.9.52									
0 M									
1815 hrs									
Burnie									
DH22/52	x				3x ²	3x ³ bic		3x	x j
15.9.52									
60-0 M									
2332 hrs									
DH22/52					4x a x o	2x ³ bic		x	2x d
15.9.52									
60-0 M									
2337 hrs									
Low Head									
DH23/52	2x				2x a x ck	6x ² abc			x d
16.9.52									
55-0 M									
0544 hrs									
DH23/52						5x bo			x d
16.9.52									
55-0 M									
0549 hrs									

PLANKTON

Station	Fi	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Low Head DH23/52 16.9.52 0 M 0655 hrs		x ²				7x ⁴ abc			x ² c
Low Head DH24/52 22.9.52 70-0 M 1705 hrs	x	2x				4x ³ bci		3x	2x ² j 3x d
DH24/52 22.9.52 70-0 M 1710 hrs						2x ³ abi		x	
90 miles N 40° W Low Head DH25/52 23.9.52 70-0 M 0210 hrs	x	2x			x ² a 2x c	5x ³ bci		x	2x d
DH25/52 23.9.52 70-0 M 0215 hrs	x			4x ² a x c	x o	5x ³ bic		4x	2x d x g x e x a
135 miles N 40° W Low Head DH26/52 23.9.52 60-0 M 1015 hrs	x			2x b	x o	7x ² bjw			

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
135 miles N 40° W Low Head DH26/52 23.9.52 60-0 M 1020 hrs				4x		2x ² bij			x b x d x e
Port Phillip Heads DH27/52 27.9.52 62-0 M 1801 hrs		x			x ²	6x ² bci			x f x b x d x c
DH27/52 27.9.52 62-0 M 1805 hrs		x		x ² a	x ² a	x ³ wci		x	x b x c
DH27/52 27.9.52 0 M 1910 hrs		4x		6x ² a 3x ² c 2x b		12x ³ cwi			2x ³ j 6x ² b 2x c
Cape Woolamai DH28/52 29.9.52 55-0 M 1014 hrs			x ² a	4x ⁴ a 2x ² c 2x ² b		x ⁴ biw			3x ² j x ² d 2x ² a 2x ² c
DH28/52 29.9.52 55-0 M 1020 hrs				2x ³ a 8x c 3x b		3x ³ bw			4x j 3x a 2x c x d

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Cape Liptrap									
DH29/52				2x ² a		4x ³			5x ² j
29.9.52				x o		bic			
63-0 M									
1533 hrs									
DH29/52				x ² a	5x ² a	3x ³			2x d
29.9.52						ibc			x a
63-0 M									
1538 hrs									
Wilson's									
Promontory									
DH30/52	x			5x a	3x ² a	5x ³		x	2x o
1.10.52						abi			
65-0 M									
0805 hrs									
DH30/52		x		2x b	7x ² a	16x ³		x	x ² c
1.10.52				x a		bac			6x d
65-0 M									x k
0809 hrs									
DH30/52		7x ³		3x ⁴ a		6x ⁴			
1.10.52						aiw			
0 M									
0830 hrs									
Kent Group									
DH31/52					x c	14x ²		x	x a
2.10.52					x a	bic			x c
47-0 M									
0307 hrs									
DH31/52					5x a	2x ³		3x	x c
2.10.52					x _{ok}	bic			
47-0 M									
0309 hrs									

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Kent Group DH31/52 2.10.52 0 M 0339 hrs		5x		x ³ b	6x ²	6x ⁴ yob		x ³	3x ² d x c x b
Babel Island DH32/52 20.10.52 50-0 M 1014 hrs			7x a		4x a	3x ³ abc			6x c 4x d
DH32/52 20.10.52 50-0 M 1020 hrs			x ² a		8x a	3x ³ two			4x ² o x j
DH32/52 20.10.52 0 M 1037 hrs		2x ³				3x ³ ab			
Banks Strait wide DH33/52 21.10.52 0 M 1740 hrs		3x ²	6x ² a		4x ²	8x ⁴ bdj		2x ²	6x ² e
Waterhouse Island DH34/52 23.10.52 35-0 M 0737 hrs		x				3x ² b			

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
W. Goose Island DH35/52 25.10.52 40-0 M 1412 hrs		2x				2x ⁴ bao		x ²	3x o 2x d x b
DH35/52 25.10.52 40-0 M 1416 hrs	x				4x a	17x ³ biw		9x	3x d 3x o x b
SW Deal Island DH36/52 25.10.52 40-0 M 1916 hrs	x	x			2x a	15x ³ bwa		3x	2x o x b
DH36/52 25.10.52 40-0 M 1920 hrs					3x ² a	4x ³ abc		x	x e x a
Wilson's Promontory DH37/52 26.10.52 40-0 M 0642 hrs	x	6x	6x a		4x ² a	2x ⁴ abw	x ² e 6x d		7x o
DH37/52 26.10.52 40-0 M 0645 hrs		8x			x ³ a	x ⁴ abw	x ² d	x	2x o

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Wilson's Promontory DH37/52 26.10.52 0 M 0700 hrs		x ³	x ² a			3x ⁴ wab	7x ² d	x	4x ² c
Cape Liptrap DH38/52 26.10.52 40-0 M 1106 hrs	x	2x ²	x ² a		4x ² a	12x ³ abw	2x ² d		2x c
DH38/52 26.10.52 40-0 M 1112 hrs	x	x ²	4x a		x ³ a	x ⁴ abw	5x ² e 3x ² d	2x	2x ² c 2x d
Cape Woolamai DH39/52 26.10.52 40-0 M 1609 hrs		2x	x a		x a	5x ³ abw	2x e	x	2x ² k x c
DH39/52 26.10.52 35-0 M 1612 hrs		3x	4x ac		2x ³ a	7x ³ abw	4x e x c	x	x ² c x e
Port Phillip Heads DH40/52 27.10.52 40-0 M 0837 hrs		2x	x a		x ² a	7x ³ abw			x c

PLANKTON

Station	Fi	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Port Phillip									
Heads									
DH40/52					2x a	27x ³ abw			x ² o 3x k
27.10.52									
40-0 M									
0841 hrs									
DH40/52		14x ²	2x a		2x x a	9x ³ abw			4x o
27.10.52									
0 M									
0950 hrs									
Port Phillip									
Heads									
DH41/52		x			2x a x o	6x ³ bai			x a x c
1.12.52									
60-0 M									
2030 hrs									
DH41/52					3x a 2x o	11x ³ abw		2x	3x d 3x a 2x c
1.12.52									
60-0 M									
2100 hrs									
DH41/52					6x ²	18x ⁴ abl		2x ²	4x ² d x m x o
1.12.52									
0 M									
2208 hrs									
Banks Strait									
DH42/52				9x b x g	x ² a x c	7x ³ bw		x	x e x a x d
4.12.52									
60-0 M									
0520 hrs									

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Banks Strait									
DH42/52				2x e	x a	4x ³		3x	3x d
4.12.52				x g	x c	bc			2x c
60-0 M									x a
0525 hrs									
DH42/52				2x b		x ⁴ b			x ² d
4.12.52									3x e
0 M									x c
0530 hrs									x a
Banks Strait									
wide									
DH43/52		x		x b	x k	7x ³		3x	9x ² e
4.12.52						ba			x ² j
500-0 M									3x f
1342 hrs									x a
									x d
									x c
DH43/52		3x		x c	x k	2x ³	x a	7x	3x ² e
4.12.52						bi			x j
500-0 M									x a
1404 hrs									x f
DH43/52			x a	x b		2x ²		x	x e
4.12.52						bw			x j
500-400 M									x a
1505 hrs									x f
DH43/52	x	3x		4x b		6x ³		x	4x ² j
4.12.52						bi			3x a
0 M									
1530 hrs									

PLANKTON

Station	Fi	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
St. Helens DH44/52 4.12.52 100-0 M 2056 hrs						8x ² bwf		x	
DH44/52 4.12.52 100-0 M 2103 hrs				2x o 2x b x g x e	5x o	3x ³ jbi		3x	2x ² j x a x e
DH44/52 4.12.52 0 M 2150 hrs				3x ² e x ² b x g	6x ³	14x ³ db		4x ²	x o x e x b x m
Cape Lodi DH45/52 5.12.52 60-0 M 0456 hrs				2x ² b x e x g	3x o	x ³ dbj		x	x d
DH45/52 5.12.52 60-0 M 0501 hrs				6x b	x o	7x ² bjj			2x e x d
Maria Island wide DH46/52 5.12.52 550-400 M 1336 hrs				x b x e	x j	x ³ lj		x	x d x a

PLANKTON

Station	Fi	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Maria Island wide									
DH46/52 5.12.52 400-300 M 1400 hrs					x h	3x ² l		x	x e
DH46/52 5.12.52 300-200 M 1419 hrs				x e		5x ² lwb		x	x e x j x a x c x f x m
DH46/52 5.12.52 200-100 M 1432 hrs		x		2x ² e x b		7x ² bw		x	x a
DH46/52 5.12.52 100-50 M 1441 hrs				4x e 4x b		4x i			x i x c
DH46/52 5.12.52 50-0 M 1449 hrs				x b x e		x ³ ojw		x	3x j x e x a x d
DH46/52 5.12.52 500-0 M 1505 hrs		x		x c x g	2x kh	3x ³ lwb		x	x a x e x d
DH46/52 5.12.52 500-0 M 1524 hrs	x			7x e x g	6x a 2x hf	4x ³ jl		2x	8x f 4x e 3x a 3x c x j

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>BERWENT HUNTER.</u>									
Laria Island wide H46/52 i.12.52 M 640 hrs		2x		x b x f		5x ² jb			2x o x j x a
Laria Island H47/52 i.12.52 M 910 hrs				2x ³ b 4x f		5x ³ ibj		5x	9x j x a
H47/52 i.12.52 35-0 M 1012 hrs				3x e	x a x of	8x ² bcj			2x ² e 2x d
H47/52 i.12.52 35-0 M 1019 hrs				4x e 2x a x g	4x c	4x ³ bic		x	x e
Lape Pillar H48/52 7.12.52 100-0 M 1432 hrs			x a	x b x e x g	x ko	5x ² jb			2x d
H48/52 7.12.52 100-0 M 1443 hrs				2x e x g		7x ² jbi		x	x ² d 7x e
H48/52 7.12.52 M 1527 hrs		x			x	x ² jai			x d x o

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Tasman Head									
DH49/52		x	5x		2x ² _a	3x ²			2x d
7.12.52			ab		x o	jbi			x a
65-0 M									x o
2232 hrs									
DH49/52			3x	x b	4x ² _a	x ²			x d
7.12.52			ab	x e	x o	bjw			x o
65-0 M									
2240 hrs									

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>ERWENT HUNTER.</u>									
asman Head									
H1/53				x g	x o	4x ³ bc		2x	x a
0.2.53									
5-0 M									
303 hrs									
H1/53				2x g	x ² a	6x ³ abc		6x	
0.2.53				x i					
5-0 M									
309 hrs									
ape Pillar									
H2/53				x g	2x ok	4x ³ wo		3x	3x a
0.2.53									
00-0 M									
819 hrs									
H2/53				x g	x o	2x ³ bc		5x	2x a
0.2.53									
00-0 M									
826 hrs									
H2/53				x f	x ² a	7x ³ bc		4x	2x a
0.2.53					2x				x d
M									x f
900 hrs									
Laria Island									
wide									
H3/53	x			2x o	x hf	3x ² lm			x b
1.2.53				x f					
50-0 M				x g					
340 hrs				x i					
H3/53				5x ² o	x hf	4x ² li	2x a	x	3x a
1.2.53				x g					
50-0 M									
408 hrs									

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Maria Island wide DH3/53 11.2.53 550-400 M 1435 hrs				x c	x h			x	
DH3/53 11.2.53 400-300 M 1505 hrs			x a	x o		3x bwa		x	
DH3/53 11.2.53 300-200 M 1525 hrs						x wb			x o
DH3/53 11.2.53 200-100 M 1540 hrs				x o		x ² w		x	
DH3/53 11.2.53 100-50 M 1540 hrs				x c		x w			x a
DH3/53 11.2.53 50-0 M 1557 hrs				5x ² c	x m	x			x a
DH3/53 11.2.53 0 M 1624 hrs				6x o		3x ³ bwa			

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>BERWENT HUNTER.</u>									
Maria Island BH4/53 2.2.53 10-0 M 1735 hrs				x g	x a x	2x ² obw			x a
BH4/53 2.2.53 10-0 M 1741 hrs				x c x g	6x a x c	2x ³ bca		2x	x a
BH4/53 2.2.53 10 M 1812 hrs				x f	x	8x ³ wba			x c
Lape Lodi DH5/53 14.2.53 10-0 M 1828 hrs		x		x g x c	x c	2x ³ abc		x	5x c x d
DH5/53 14.2.53 10-0 M 1833 hrs					x c	9x ² bwc		2x	2x c x d x a
St. Helens DH6/53 15.2.53 100-0 M 0140 hrs			x a	x c x g	x	2x ³ bwi		2x	x a
DH6/53 15.2.53 100-0 M 0150 hrs				4x c	x	x ³ bwi		x ²	x m x a x b x c

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
St. Helens DH6/53 15.2.53 0 M 0233 hrs	x	3x		6x g 3x o	x	2x ³ b			
Banks Strait DH7/53 15.2.53 50-0 M 0838 hrs		x		4x o	3x a	2x ³ ba		3x c x a	
DH7/53 15.2.53 50-0 M 0844 hrs			x a	5x o		4x ³ ba	3x	4x c x d x a x m	
DH7/53 15.2.53 0 M 0850 hrs		x		2x ³ a 3x ² o x i	x	4x ³ ba		x c	
Kent Group DH9/53 17.2.53 50-0 M 2134 hrs					6x a x c	4x ³ bo	2x	6x d x a	
DH9/53 17.2.53 50-0 M 2140 hrs		x			4x ² a x c	3x ³ ba	x	7x d x a	
DH9/53 17.2.53 0 M 2200 hrs		2x ³		x ² b	3x ³ x a	x ⁵ bae		x ² d x ² a x ² m	

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DEERWENT HUNTER.</u>									
Wilson's Promontory DH10/53 18.2.53 60-0 M 0422 hrs					2x ² a x o	2x ³ byo	x e	x	x o
DH10/53 18.2.53 60-0 M 0428 hrs	x				7x c	2x ³ byo	x e	2x	x ² j 9x d x o
DH10/53 18.2.53 0 M 0450 hrs	x		x ² a		2x ²	x ⁵ ybo		8x	2x ² d
Cape Liptrap DH11/53 18.2.53 50-0 M 1048 hrs	x				8x o	6x ³ b			x d
DH11/53 18.2.53 50-0 M 1053 hrs				x b	x c	6x ³ b			2x d x e x b x c
Cape Woolamai DH12/53 18.2.53 55-0 M 1535 hrs		x			3x a	2x ³ bo		x	x d
DH12/53 18.2.53 55-0 M 1540 hrs					3x a	2x ³ boa			

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Port Phillip									
Heads									
DH13/53						13x ²			
19.2.53						bae			
60-0 M									
1444 hrs									
DH13/53					4x a	3x ³			x a
19.2.53						bai			
60-0 M									
1450 hrs									
DH13/53	3x					5x ³			x ² d
19.2.53						abx			3x a
0 M									x c
1535 hrs									
Lorne									
DH14/53						3x ³			x a
28.2.53						bca			
55-0 M									
1655 hrs									
DH14/53						3x ³			x a
28.2.53						bca			
55-0 M									
1700 hrs									
Cape Otway									
DH15/53					x ² c	7x ³		x	
1.3.53						aob			
50-0 M									
1316 hrs									
DH15/53					3x ² c	8x ³		5x	x a
1.3.53						abc			
50-0 M									
1320 hrs									

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>VERWENT HUNTER.</u>									
ape Otway H15/53 ..3.53 M 340 hrs		x		x i		5x ⁴ acb		3x	3x d 2x a
Peterborough H16/53 ..3.53 5-0 M .828 hrs				x i	2x c	3x ³ acb		3x	
H16/53 ..3.53 5-0 M 1835 hrs				x i	x c	x ³ obr			x a
Port Fairy wide H17/53 ..3.53 100-400 M 148 hrs			x a	x g	2x _{fj}	5x ² lx		2x	
H17/53 ..3.53 100-300 M 1210 hrs		x	x a	x g	x a	4x ² lmj		x	5x f x a
H17/53 ..3.53 100-200 M 1225 hrs				3x c x g	x n	6x ² rb		2x	2x f
H17/53 ..3.53 100-100 M 1237 hrs				x g	x _{kn}	9x ² xrw		x	2x f x c

PLANKTON

Station	Fl	Fa	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Port Fairy wide DH17/53 2.3.53 100-50 M 1250 hrs		x	2x ² a		x a	2x ² bja		5x	x o
DH17/53 2.3.53 50-0 M 1300 hrs			x a			5x ² bjg		x	x d x a
DH17/53 2.3.53 500-0 M 1313 hrs		2x		2x g	x f	8x ³ rj		x ²	3x f x a x o
DH17/53 2.3.53 500-0 M 1335 hrs				2x g x i	x f	3x ³ brk			6x f x o
DH17/53 2.3.53 0 M 1440 hrs		x	8x ² abc 7x i			18x ³ awr	4x o		
Port Fairy DH18/53 3.3.53 40-0 M 1456 hrs				4x i	x a	2x ² bw1			x d x e x b
DH18/53 3.3.53 40-0 M 1500 hrs			x a	8x i	x a	3x ² wb		x	x a x e x b x d x o

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Port Fairy DH18/53 3.3.53 0 M 1525 hrs	x			x i	2x ² a	2x ⁴ abw		x	x ² a x d
Off Margaret Brook Light DH19/53 6.3.53 45-0 M 1215 hrs					2x a x c	14x ² bic		x	x a x f x d
DH19/53 6.3.53 0 M 1218 hrs		3x			x	16x ³ ao			x d x c
Off Cape Catastrophe DH20/53 19.3.53 69-0 M 1409 hrs	x	x	x ³ a	x e	2x a	14x ² bia	x ³ a 2x ² e	x ²	5x ² d 3x k 2x f x g x a
DH20/53 19.3.53 0 M 1416 hrs	2x	6x	9x ² a	x ² a	2x a	3x ⁴ biz	24x ³ a x ³ ob x ² e	5x	6x ² c 7x d 5x g x a
Off Ceduna DH21/53 7.4.53 45-0 M 2105 hrs	x		3x ² aj	3x a	6x a	x ⁴ bia	x ³ a 3x b 2x e	x	2x ² g 6x d 2x i x f x o

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Off Ceduna DH21/53 7.4.53 0 M 2115 hrs			x ³ a		x ³ a	3x ⁵ b1x	9x ³ a 6x ² bc x ² e	2x ²	5x ³ d 2x ³ g x ³ f 6x ² a 5x ² c x ² i x ² k 4x n x m
100 miles S x 33° W Lacy Island DH22/53 8.4.53 220-0 M 1445 hrs						x			
DH22/53 8.4.53 0 M 1506 hrs			x a	4x a		9x ² baw			3x f
20 miles S Cape Willoughby DH23/53 29.4.53 60-0 M 0940 hrs	x		x a	x o	3x a	5x ³ aog	4x o x e	4x	x ² c 2x k x d x a
DH23/53 29.4.53 0 M 1000 hrs			3x ³ a	2x o x i	2x x a	8x ⁴ abg	x ³ c 3x ² e	6x ²	x ² c 5x a 2x d x ² k

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Port Fairy wide									
DH24/53	x		x a	x c	x m	3x ² ze		2x	x f x d
1.5.53									
825-500 M									
1835 hrs									
DH24/53	x				x nk	6x bl		x	x f x a
1.5.53									
500-400 M									
1920 hrs									
DH24/53						9x mq		2x	x f x a
1.5.53									
400-300 M									
1950 hrs									
DH24/53					x kn	x ² l		2x	x f x a
1.5.53									
300-200 M									
2014 hrs									
DH24/53			x a		x k	2x ² ld		2x	2x f x a
1.5.53									
200-100 M									
2030 hrs									
DH24/53	x		7x a	x e	x kfi	2x ³ bil		4x	5x f x c
1.5.53									
100-50 M									
2047 hrs									
DH24/53			x a	x c	x a x hf	2x ³ ril		x	x a x e x f
1.5.53									
50-0 M									
2057 hrs									

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Port Fairy wide DH24/53 1.5.53 500-0 M 2115 hrs			7x a	x c	2x kfh	4x ³ 1bl		x ²	x ² f 2x a x o
DH24/53 1.5.53 500-0 M 2138 hrs			9x a	x e	x kfh	5x ³ 1Db		x ²	7x f 4x a x c
DH24/53 2.5.53 0 M 0100 hrs			5x ² a	2x oh	8x ²	34x ³ zmc		x ³	5x f 3x a x e x d x c
Port Fairy DH25/53 3.5.53 50-0 M 2215 hrs					x c	4x ² cis		x	x a
DH25/53 3.5.53 50-0 M 2223 hrs					5x c	5x ³ ciw		6x	x a x m
DH25/53 3.5.53 0 M 2303 hrs			x ² a		2x ²	11x ⁴ bic		3x ³	2x ² a x ² d x m

PLANKTON

Station	Fl	Fa	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
King Island wide									
DH26/53				x c	3x cmf	2x ³ lij		3x	x a
8.5.53									
715-500 M									
1645 hrs									
DH26/53		x	x a		x a	5x ² lm		x	4x f
8.5.53					x fmj				x e
500-400 M									x g
1705 hrs									x c
DH26/53			x a	x j	6x	2x ³		x	3x a
8.5.53				x o	3x a	niz			x d
0 M				x g					x f
0719 hrs									x g
									x c
DH26/53			x a		x fmn	4x ² liz		x	4x f
8.5.53									
400-300 M									
1729 hrs									
DH26/53					x fn	5x ² lib		x	3x f
8.5.53									
300-200 M									
1746 hrs									
DH26/53			2x a	x g	x hkn	8x ² lim		2x	3x f
8.5.53			x fi						
200-100 M									
1801 hrs									
DH26/53			6x ² ac	2x e	2x fnh	6x ³ lim		7x	7x f
8.5.53			x i	x g					3x c
100-50 M									2x a
1811 hrs									

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
King Island wide									
DH26/53			2x ² a	x o	x hf	4x ³		x ²	x a
8.5.53				x e		imb			x f
50-0 M				x g					x o
1820 hrs									
DH26/53		x	4x ² a	2x o	5x	x ⁴		x ²	x ² f
8.5.53			x f	x e	mhk	lim			2x a
500-0 M				x g	2x a				x o
1830 hrs									
DH26/53			6x ² a	3x o	4x	13x ³		2x ²	3x ² f
8.5.53				x g	hfk	lim			x a
500-0 M					2x a				x o
1850 hrs									
Stokes Point									
DH27/53			x ² a	x e	x a	6x ³		6x	x a
9.5.53						bic			x o
50-0 M									
1717 hrs									
DH27/53			3x a	x o	x a	2x ³		4x	
9.5.53				x g		bil			
50-0 M									
1720 hrs									
DH27/53			8x ² a	x o	2x a	23x ⁴		2x ³	2x ³ a
9.5.53				x f	x	bic			x ² c
0 M				x b					
1745 hrs									
Albatross Island									
DH28/53					x ² c	4x ³		3x	x a
10.5.53						bic			
65-0 M									
1840 hrs									

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Albatross Island									
DH28/53				x g	4x ² o	3x ³ bim		4x	x a
10.5.53									x b
60-0 M									
1843 hrs									
DH28/53			8x a		5x ²	37x ³ bim		2x ³	x ² d
10.5.53					2x ² a				x ² a
0 M									
1925 hrs									
Circular Head									
DH29/53					x o	7x ³ bif		6x	
11/5/53									
25-0 M									
1412 hrs									
DH29/53					x o	2x ³ bif		x	x e
11.5.53									
25-0 M									
1415 hrs									
DH29/53						2x ⁵ bif	x ² d	4x ²	4x ⁴ e
11.5.53									x ² a
0 M									x ² b
1428 hrs									
Burnie									
DH30/53					x a	6x ³ bif		x	x e
12.5.53									x a
60-0 M									
1150 hrs									

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Burnie DH30/53 12/5/53 60-0 M 1155 hrs			2x a		3x a	15x ³ fbi		x	5x e 2x d 3x a
Low Head DH31/53 13.5.53 55-0 M 1022 hrs					x a	6x ³ bif		4x	5x e 2x d 2x a x c
DH31/53 13.5.53 55-0 M 1025 hrs						2x ⁴ bif		x ²	5x e 3x d x c
DH31/53 13.5.53 0 M 1040 hrs			x ² a		x	3x ⁴ bfi	3x d	8x	x ⁴ e 9x ² a x b
45 miles NW Low Head DH32/53 16.5.53 70-0 M 0320 hrs					x c	5x ³ bia		x	x a
DH32/53 16.5.53 70-0 M 0330 hrs			7x a		x c	16x ³ biw		4x	2x a x c

PLANKTON

Station	Fi	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
90 miles NW Low Head DH33/53 16.5.53 80-0 M 2235 hrs			x a		x c	3x ³ b1		x	x a
DH33/53 16.5.53 80-0 M 2240 hrs	x	x	x ² a		2x ² a x ² c	35x ³ bia		3x ²	9x a x d
135 miles NW Low Head DH34/53 17.5.53 60-0 M 1112 hrs			x a		x c	3x ³ b1		x	
DH34/53 17.5.53 60-0 M 1116 hrs			3x ² a		2x a	15x ³ biw		2x ²	x a x d
Port Phillip Heads DH35/53 17.5.53 65-0 M 1730 hrs					3x a x c	4x ³ bia		2x	x a
DH35/53 17.5.53 65-0 M 1735 hrs			2x a		x a	2x ³ bw		5x	

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DEERWENT HUNTER.</u>									
Port Phillip									
Heads									
DH35/53			2x ² a		5x ³ a 6x ²	4x ⁵ bi		3x ²	4x ² a x m
17.5.53									
0 M									
1805 hrs									
Cape Woolamai									
DH36/53			x a		3x a	3x ³ bam		2x	
29.5.53									
60-0 M									
1510 hrs									
DH36/53			x a		8x a	5x ³ bfa		2x ²	
29.5.53									
60-0 M									
1515 hrs									
Cape Liptrap									
DH37/53					5x c	5x ³ bwa		5x	x a
29.5.53									
65-0 M									
2015 hrs									
DH37/53	x		2x ² a	x b	6x c	6x ³ bia		5x ²	3x a
29.5.53									
65-0 M									
2020 hrs									
Wilson's									
Promontory									
DH38/53			x a		x ² c	5x ³ bac		2x ²	x i
30.5.53									
60-0 M									
0115 hrs									

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Wilson's Promontory DH38/53 30.5.53 60-0 M 0122 hrs					7x o	4x ³ bac		x ²	
DH38/53 30.5.53 0 M 0145 hrs			5x ² a		4x	16x ³ bac		5x ²	5x a
Kent Group DH39/53 30.5.53 55-0 M 0810 hrs					8x o	4x ³ bci		x	x d
DH39/53 30.5.53 55-0 M 0818 hrs	x		x a		x o	13x ² biw		2x ²	
DH39/53 30.5.53 0 M 0855 hrs			2x ² a		x	13x ³ biw		2x ²	
39° 06' S 148° 16' E DH40/53 2.6.53 55-0 M 1550 hrs		x			x o	5x ³ fba			x e x a

PLANKTON

Station	Fl	Fa	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Port Phillip Heads DH35/53 17.5.53 0 M 1805 hrs			2x ² a		5x ³ a 6x ²	4x ⁵ bi		3x ²	4x ² a x m
Cape Woolamai DH36/53 29.5.53 60-0 M 1510 hrs			x a		3x a	3x ³ bam		2x	
DH36/53 29.5.53 60-0 M 1515 hrs			x a		8x a	5x ³ bfa		2x ²	
Cape Liptrap DH37/53 29.5.53 65-0 M 2015 hrs					5x o	5x ³ bwa		5x	x a
DH37/53 29.5.53 65-0 M 2020 hrs	x		2x ² a	x b	6x o	6x ³ bia		5x ²	3x a
Wilson's Promontory DH38/53 30.5.53 60-0 M 0115 hrs			x a		x ² o	5x ³ bac		2x ²	x i

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>ERWENT HUNTER.</u>									
Wilson's Promontory H38/53 0.5.53 0-0 M 122 hrs					7x o	4x ³ ba ^o		x ²	
H38/53 0.5.53 0 M 145 hrs			5x ² a		4x	16x ³ ba ^o		5x ²	5x a
Cent Group H39/53 0.5.53 55-0 M 0810 hrs					8x o	4x ³ ba ^o		x	x d
H39/53 0.5.53 55-0 M 0818 hrs	x		x a		x c	13x ² biw		2x ²	
H39/53 0.5.53 0 M 0855 hrs			2x ² a		x	13x ³ biw		2x ²	
39° 06' S 148° 16' E H40/53 2.6.53 55-0 M 1550 hrs		x			x c	5x ³ fba			x e x a

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER</u>									
39° 06' S 148° 16' E DH40/53 2.6.53 55-0 M 1557 hrs	x	x			x o	6x ³ bif		x	x e x a x c
Paddock DH41/53 3.6.53 2200-500 M 0010 hrs	x		2x a	x e	x km	4x ³ jv		5x	x ² f x a x c
DH41/53 3.6.53 500-400 M 0150 hrs			2x a	x e	x km	8x ² Dbj		x	6x f x a x c
DH41/53 3.6.53 400-300 M 0216 hrs	x			x e	x kn	4x ² vj1		x	2x f x c
DH41/53 3.6.53 300-200 M 0317 hrs					x k	2x ² lwm		x	x f
DH41/53 3.6.53 0 M 0353 hrs				x ² j x g		6x ³ bim		7x	3x a

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Port Phillip									
Heads									
DH42/53			5x a	x b	x a	9x ³ bai		2x ²	
8.6.53									
61-0 M									
1625 hrs									
DH42/53			2x a		3x a	x ⁴ bai		3x ²	
8.6.53									
61-0 M									
1630 hrs									
DH42/53				x ² b		17x ⁴ bic		2x ²	x ² a
8.6.53									
0 M									
1700 hrs									
Paddock									
DH43/53			2x a	x j	2x	12x ³ lba		x ²	5x f
10.6.53				x g	hgk				x a
500-0 M									
1408 hrs									
DH43/53	x		6x a	x e	2x	15x ³ 1bD		2x ²	x ² f
10.6.53				x g	egn				9x a
500-0 M					x a				x c
1428 hrs									
DH43/52			3x a	x e	x a	15x ² aiu		3x ²	
10.6.53									
50-0 M									
1442 hrs									
DH43/53					x a	2x ³ bau		x ²	
10.6.53									
100-50 M									
1450 hrs									

PLANKTON

Station	Fi	Fa	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER</u>									
Paddock DH43/53 10.6.53 200-100 M 1458 hrs			3x a		x a x _{km}	6x ³ liw		x ²	3x f x a
DH43/53 10.6.53 300-200 M 1514 hrs			x a	x e		2x ³ lbj		7x	3x f x a x o
DH43/53 10.6.53 400-300 M 1530 hrs				x g x e	x e	x ³ lau		x ²	x o x a
DH43/53 10.6.53 500-400 M 1550 hrs					x _{eh}	2x ³ Dlj		2x	2x f
DH43/53 10.6.53 0 M 1610 hrs	x		5x ² ba	x e	5x x a	4x ⁴ iaw		9x ²	4x a
Babel Island wide DH44/53 10.6.53 500-0 M 2130 hrs		x	5x _{aj}		3x kfm x a	6x ³ lqj		3x ²	3x f x b x a
DH44/53 10.6.53 500-0 M 2201 hrs	x		x a	x g	3x kmf	5x ³ lji		x ²	x ² f x b x a x o

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Babel Island									
DEH45/53					4x a	x ⁴ 1ba		x	x b
11.6.53									x a
45-0 M									
0752 hrs									
DEH45/53					2x a	9x ³ 1ba		2x	2x a
11.6.53					x o				x b
45-0 M									
0800 hrs									
DEH45/53					x	9x ⁴ abi			2x ² b
11.6.53									x a
0 M									x o
0805 hrs									
Banks Strait									
wide									
DEH46/53	x			x o	x _{mh}	7x ² 1vj		x	2x f
11.6.53									x a
675-500 M									
1530 hrs									
DEH46/53	x		x a		x o	8x ² 1bv		x	5x f
11.6.53					x a				x o
500-400 M									x a
1600 hrs									
DEH46/53	x			x o	x _{fk}	x ³ li		2x	9x f
11.6.53									x o
400-300 M									
1620 hrs									
DEH46/53	x		2x a		x _{nef}	2x ³ 1bi		4x	3x f
11.6.53									
300-200 M									
1634 hrs									

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Banks Strait wide									
DE46/53			4x a	2x c	x e	2x ³		9x	4x f
11.6.53				x e		bi			x a
200-100 M									
1645 hrs									
DE46/53			2x a	x e		2x ³ i		x ²	x d
11.6.53				x c					x a
100-50 M									
1655 hrs									
DE46/53			8x			3x ³		3x	x f
11.6.53			ad			bia			x c
50-0 M									
1702 hrs									
DE46/53			x a	x e	x	7x ²		5x	x f
11.6.53			x f		mnf	liw			x d
500-0 M									x c
1713 hrs									
DE46/53		2x	2x ²	4x g	5x	9x ³		2x ²	3x ² f
11.6.53			ad	x e	kef	lbD			2x a
500-0 M									x c
1745 hrs									
DE46/53			5x d	3x ² g	7x ²	5x ⁴		6x ²	6x a
11.6.53				x ² j		abi			x d
0 M				2x ² cf					
1805 hrs									
Banks Strait			3x a		3x ² cf	7x ³		7x	2x a
DE47/53						bic			x d
11.6.53									x m
60-0 M									
2225 hrs									

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Banks Strait DH47/53 11.6.53 60-0 M 2235 hrs	x		2x a		4x ck	x ⁴ bic		x ²	3x d x a
DH47/53 11.6.53 0 M 2350 hrs			x ² a		x ² x ² a	14x ⁴ bic		8x ²	3x ² a 2x ² b x ² e x ² d x m
St. Helens DH48/53 12.6.53 100-0 M 0230 hrs			x a	2x g x f x j	4x ko 3x a	6x ³ bic		8x	3x a
DH48/53 12.6.53 100-0 M 0236 hrs			2x ² a 2x ² i	2x g x j	2x k	5x ³ bic		2x ²	x a x o
DH48/53 12.6.53 0 M 0305 hrs			7x a	2x g	2x	18x ³ bia		x ²	7x a
Cape Lodi DH49/53 12.6.53 50-0 M 0908 hrs	x		5x a		x k	2x ³ bic		2x ²	x f x a

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Cape Lodi DH49/53 12.6.53 50-0 M 0917 hrs	x		x a	x g	x a	5x ² bi		3x	x a
Maria Island wide DH50/53 15.6.53 500-0 M 1635 hrs		x	2x a	x g	4x fk	9x ³ ljq		3x ²	x ² f x a
DH50/53 15.6.53 500-0 M 1655 hrs		4x	x a	3x g x j	2x fhk	5x ³ liq		x ²	4x ² a 3x ² f x c
DH50/53 15.6.53 50-0 M 1710 hrs			6x a	x g	x k	8x ² ibu		3x	x f x c
DH50/53 15.6.53 550-400 M 1740 hrs	x	x	x a	x e	x a x gk	5x ² lmi		5x	7x f x a x c
DH50/53 15.6.53 400-300 M 1810 hrs		x			x fg	6x ² ib		2x	6x f x c
DH50/53 15.6.53 300-200 M 1825 hrs		x	2x a			x ³ lq		4x	5x f x c

PLANKTON

Section	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
DH50/53 15.6.53 200-100 M 1840 hrs			x f x e		x kfh	x ³ lqb		x ²	3x f x b
DH50/53 15.6.53 100-50 M 1853 hrs			x ² a		x k	2x ³ lbd		x ²	2x f
DH50/53 15.6.53 0 M 1925 hrs		x	2x ² a	3x ² g x f	2x ²	3x ⁴ lbi		3x ²	4x ² a 4x f x o
Maria Island DH51/53 15.6.53 85-0 M 2120 hrs			x a	x g	8x ckf	3x ³ bi		8x	x a x f x o
DH51/53 15.6.53 85-0 M 2130 hrs			2x a		8x ck	3x ³ wim		7x	3x f x a x o
DH51/53 15.6.53 0 M 2200 hrs			5x a	2x g	3x ²	4x ⁴ bico		3x ³	3x ² a x m x o
Cape Pillar DH52/53 17.6.53 100-0 M 1355 hrs			x ² a		x ck	4x ³ lai		2x ²	x a x o

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Cape Pillar DH52/53 17.6.53 100-0 M 1403 hrs			7x a		x k	3x ³ 101		x ²	2x f
DH52/53 17.6.53 0 M 1431 hrs		x	3x a		x	12x ³ 1bw		4x ²	8x a x c
Tasman Head DH53/53 19.6.53 60-0 M 0902 hrs			x a		x c	3x ² bic		2x	x e x c x f
DH53/53 19.6.53 60-0 M 0908 hrs			x a		x k	3x ² bic		4x	x e x d x f x a
Port Fairy wide DH54/53 14.8.53 500-0 M 1158 hrs		2x	4x a		5x a x _{hk}	9x ³ lb		x ²	3x ² f 4x c 3x a x d
DH54/53 14.8.53 500-0 M 1220 hrs		4x	2x a	x c x e	x efn	8x ³ lpi		2x ²	2x ² f 3x c 2x a
DH54/53 14.8.53 900-500 M 1255 hrs	x			x e	8x a 3x _{hfk}	5x ³ jlv		x ²	3x ² f 2x a x c

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Port Fairy wide DH54/53 14. 8. 53 500-400 M 1325 hrs		x			3x a x fen	3x ³ l		4x	3x ² f 2x o x d x a
DH54/53 14. 8. 53 400-300 M 1351 hrs				x e	x nh	4x ³ 1jb		x ²	2x o 2x f x a
DH54/53 14. 8. 53 300-200 M 1415 hrs		x				2x ³ 1j		6x	x a x f x o
DH54/53 14. 8. 53 200-100 M 1430 hrs	x				3x a	2x ³ 1Du		8x	2x f x a x o
DH54/53 14. 8. 53 100-50 M 1440 hrs					x k	x ³ uwb		5x	
DH54/53 14. 8. 53 50-0 M 1448 hrs	x				x a	x ³ iu		3x	x o x f
DH54/53 14. 8. 53 0 M 1610 hrs	x	6x	x ² a		x a	12x ³ iw		2x ²	8x o x d

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Port Fairy DH55/53 14. 8. 53 40-0 M 2100 hrs					x _{ck}	2x ³ _{iar}		2x ²	
DH55/53 14. 8. 53 40-0 M 2110 hrs					2x _o	5x ³ _{isa}		3x ²	
DH55/53 14. 8. 53 0 M 2130 hrs	x	x ²			x	5x ⁴ _{ifm}		3x ²	x ² _a x _m
Lorne DH56/53 15. 8. 53 60-0 M 0935 hrs					x _a	2x ³ _{asi}		2x ²	x _d
DH56/53 15. 8. 53 60-0 M 0940 hrs		x			x _a	x ³ _{asi}		x ²	
Port Phillip Heads DH57/53 15. 8. 53 58-0 M 1355 hrs						3x ³ _{sia}		3x	3x _d x _a x _b
DH57/53 15. 8. 53 58-0 M 1400 hrs	x	x				25x ² _{asi}		2x ²	4x _d 3x _a

PLANKTON

Station	Fi	Fe	Ap	As	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Port Phillip Heads									
DH57/53		x ²				3x ⁴ ais		2x ³	x ² a
15.8.53									x o
0 M									
1435 hrs									
Cape Woolamai									
DH58/53					x ² a	8x ³ cab		2x ²	2x d
22.8.53					x c				
63-0 M									
2216 hrs									
DH58/53		x			x ² a	6x ³ cab		2x ²	5x d
22.8.53					x c				
63-0 M									
2228 hrs									
Cape Liptrap									
DH59/53		x			3x o	13x ² cab		3x ²	7x d
23.8.53									2x a
70-0 M									x e
0342 hrs									
DH59/53		x			4x o	8x ³ cab		8x	3x a
23.8.53									x e
70-0 M									x d
0350 hrs									
Wilson's Promontory									
DH60/53					6x a	15x ³ cab		2x ²	x d
23.8.53									x c
63-0 M									
0831 hrs									

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Wilson's Promontory DH60/53 23.8.53 63-0 M 0838 hrs					5x ² a x k	14x ³ abi		5x	2x d x c
DH60/53 23.8.53 0 M 0911 hrs	x					12x ⁴ abi		4x ²	2x d
Kent Group DH61/53 23.8.53 47-0 M 1540 hrs		3x			x c	6x ³ wbo		x ²	5x d x c
DH61/53 23.8.53 47-0 M 1548 hrs	x	2x			x c	6x ³ bc		x ²	9x d x c
DH61/53 23.8.53 0 M 1610 hrs		4x ²			x	28x ³ baw		5x ²	4x d x a
Babel Island wide DH62/53 28.8.53 650-0 M 1619 hrs	x	x	x ² ad		7x a 2x mgr	16x ³ jlb		2x ²	x ³ f x d x a
DH62/53 28.8.53 500-0 M 1645 hrs			8x a 7x i	x e x g	5x a x _{mf}	11x ³ ljb		9x	5x ² b x g x c 2x d x a

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Paddock DH63/53 29.8.53 1600-500 M 1658 hrs	x				2x a x m	3x ³ Eld		3x	9x f 2x a x o
DH63/53 29.8.53 500-400 M 1738 hrs	x		2x a		x k x a	2x ³ djl		3x	2x ² f x a
DH63/53 29.8.53 400-300 M 1800 hrs			3x a	x e	5x a	x ³ djl		4x	5x f x a x o
DH63/53 29.8.53 300-200 M 1813 hrs	x			x e		2x ³ ljd		2x	3x f
DH63/53 29.8.53 200-100 M 1831 hrs	x				2x a x k	x ³ lju		8x	3x f
DH63/53 29.8.53 100-50 M 1903 hrs	x		5x a		x k x a	2x ³ ljd		6x	5x f x b
DH63/53 29.8.53 50-0 M 1912 hrs	x		4x ² ca x e	x a x g	2x ² a 2x _{fe}	11x ³ abl		x ²	x k x f x b x d x a x o

PLANKTON

Station	Fl	Fa	Ap	Ac	E	Co	Cl	Ch	
<u>DEEWENT HUNTER.</u>									
Paddock DH63/53 29.8.53 500-0 M 1930 hrs	5x		3x ² of	2x o 2x a x e x g	7x a 2x fem	2x ⁴ bid			5x ² 2x ² 2x b x o
DH63/53 29.8.53 500-0 M 1950 hrs	3x	2x	2x ² ao x e	2x o x a x e	4x a 2x fem	2x ⁴ ljd		3x	4x ² 2x b x a
Babel Island DH64/53 6.9.53 50-0 M 1009 hrs				x o	x a	2x ³ bil		x	9x j x f
DH64/53 6.9.53 50-0 M 1014 hrs		2x			7x a	x ³ bwo		2x	x b
DH64/53 6.9.53 0 M 1032 hrs		5x ²			x a	3x ³ iba			x o x f x b x d
Port Phillip Heads DH65/53 12.9.53 60-0 M 0216 hrs		x				x ³ bai			2x j
DH65/53 12.9.53 60-0 M 0223 hrs					7x a	2x ³ abc		2x	2x d

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Port Phillip									
Heads									
DH65/53		2x ²	2x ² a		2x ³ a x ²	3x ⁵ abc		15x ²	x ² d 5x a
12.9.53									
0 M									
0316 hrs									
Lorne									
DH66/53					x a	8x ² abf		x	x a
22.9.53									
55-0 M									
1610 hrs									
DH66/53					2x a	5x ³ abc		7x	x a
22.9.53									
55-0 M									
1615 hrs									
DH66/53					x a	3x ³ abw		6x	x a
22.9.53									
27-0 M									
1620 hrs									
DH66/53		x			x a	8x ² abf		x	x d
22.9.53									
55-28 M									
1625 hrs									
DH66/53					2x a	3x ³ abw		7x	x o
22.9.53									
42-14 M									
1630 hrs									
Cape Otway									
DH67/53					x a	x ³ abw		x	
22.9.53									
70-0 M									
2250 hrs									

PLANKTON

Station	Fl	Pa	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Cape Otway DH67/53 22.9.53 70-0 M 2255 hrs		x	4x a		2x a	6x ³ abi	x o	3x	
DH67/53 22.9.53 35-0 M 2300 hrs						2x ² abo		x	
DH67/53 22.9.53 70-35 M 2305 hrs		2x	3x a		x a	4x ³ abw		3x	
DH67/53 22.9.53 53-17 M 2315 hrs						3x ²			
DH67/53 22.9.53 0 M 2345 hrs	x	7x	3x ² a		x a x	4x ⁴ abi		7x ²	x d x m
King Island Wide DH68/53 23.9.53 900-500 M 1200 hrs		x			x fin	3x ³ ljd		3x	x ² r x a
DH68/53 23.9.53 500-400 M 1230 hrs					x hr	x ³ l		x	x a x f

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DEEWENT HUNTER.</u>									
King Island wide									
DH68/53						6x ²		3x	2x f
23.9.53						1D			x a
400-300 M									
1245 hrs									
DH68/53						8x ² F		2x	x m
23.9.53									
300-200 M									
1300 hrs									
DH68/53					x a	8x		x	
23.9.53						wm			
200-100 M									
1315 hrs									
DH68/53						8x ²		2x	x f
23.9.53						Awj			
100-50 M									
1325 hrs									
DH68/53						2x ²		x	
23.9.53						ioA			
50-0 M									
1335 hrs									
DH68/53						9x		x	x f
23.9.53						j11			x o
500-0 M									
1400 hrs									
DH68/53		x				2x ²		3x	
23.9.53						lj			
500-0 M									
1425 hrs									

PLANKTON

Station	FI	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
King Island wide DH68/53 23.9.53 0 M 1500 hrs		x	x a	x f	x a x	4x ³ ibo		x	x a x c
Stokes Point DH69/53 24.9.53 70-0 M 1410 hrs		Spilt				ibl			
DH69/53 24.9.53 70-0 M 1415 hrs					x a	7x ² bio		x	x d
DH69/53 24.9.53 35-0 M 1420 hrs					x k x a	4x ² bio		3x	x d
DH69/53 24.9.53 70-35 M 1425 hrs					x a	6x ² io		x	x d
DH69/53 24.9.53 51-17 M 1430 hrs					x	x ² bio		x	
DH69/53 24.9.53 0 M 1500 hrs		x				x ³ bia		7x	x ² d

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Albatross Island									
DH70/53									
24.9.53									
50-0 M									
2230 hrs									
DH70/53					x a	x j1		x	
24.9.53									
50-0 M									
2235 hrs									
DH70/53					x a	8x j0		x	
24.9.53									
25-0 M									
2240 hrs									
DH70/53	x				x k	3x ² abl		x	
24.9.53					x a				
50-25 M									
2245 hrs									
DH70/53					x a	x ² ij			x d
24.9.53					x				
36-12 M									
2250 hrs									
DH70/53					4x	6x ³ bij		5x	
24.9.53					x a				
0 M									
2325 hrs									
Circular Head									
DH71/53					x a	4x b		x	
25.9.53									
35-0 M									
1225 hrs									

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Circular Head									
DH71/53		x			x a	x ² ab		x	
25.9.53									
25-0 M									
1230 hrs									
DH71/53		5x				4x ⁴ ab1			
25.9.53									
0 M									
1243 hrs									
Burnie									
DH72/53		x			x o	5x ² abc		x	x j
25.9.53									
60-0 M									
2020 hrs									
DH72/53	x				4x a	2x ³			x j
25.9.53					3x ok	bac			
60-0 M									
2025 hrs									
DH72/53					x o	8x ² bye		x	6x d
25.9.53									
30-0 M									
2030 hrs									
DH72/53					x a	7x bac		x	
25.9.53									
60-30 M									
2040 hrs									
DH72/53						x			
25.9.53									
45-15 M									
2050 hrs									

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Low Head									
DH73/53						x o			x d
26.9.53									
50-0 M									
0500 hrs									
DH73/53						x			
26.9.53						bo			
50-0 M									
0505 hrs									
DH73/53									
26.9.53			No zooplankton						
25-0 M									
0516 hrs									
DH73/53									
26.9.53			No zooplankton						
50-25 M									
0520 hrs									
DH73/53						x o			
26.9.53									
36-12 M									
0525 hrs									
DH73/53		4x			2x ² a	25x ³			x d
26.9.53					x	6af			x o
0 M									
0550 hrs									
Waterhouse Island									
DH74/53	x	x	x ² _{ad}		5x a	38x ² _{abw}			x o
27.9.53									
25-0 M									
1825 hrs									

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Waterhouse Island									
DH74/53		x	x ² a		4x a	3x ³ abw		x	x o
27.9.53									
25-0 M									
1830 hrs									
Banks Strait									
DH75/53	x			x o	x o	9x ² abl		x	2x d
28.9.53					x a				x m
60-0 M									x a
0310 hrs									
DH75/53	x				x o	8x ² abj		x	x d
28.9.53					x a				x a
60-0 M									
0315 hrs									
DH75/53					x o	6x ² abc		x	x d
28.9.53					x a				x a
30-0 M									
0320 hrs									
DH75/53					x a	2x ² abj		x	x d
28.9.53									x m
60-30 M									x a
0325 hrs									
DH75/53									
28.9.53			spilt			x a			
45-15 M									
0330 hrs									
DH75/53		6x		x f	x o	12x ³ bdj		8x ²	4x d
28.9.53				x o	x a				x m
0 M									x e
0352 hrs									x a

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Banks Strait wide									
DH76/53 28.9.53 750-0 M 0605 hrs	x		4x ² _e 2x a	3x o	3x _{hf}	6x ³ 1Dv			6x f x k x o
DH76/53 28.9.53 750-0 M 0635 hrs	x		7x ² _e x ² _a	2x o x e	4x _{hf} 3x a	11x ³ 1Dv	x d	3x ²	6x ² _f 2x d x g x a x o
DH76/53 28.9.53 750-500 M 0715 hrs						4x ² 1Dj		x	6x f
DH76/53 28.9.53 500-400 M 0735 hrs					x h	2x ² 1dD		x	x ² _f x o
DH76/53 28.9.53 400-300 M 0755 hrs	x			x o x g	x h	x ³ j1D		3x	x f
DH76/53 28.9.53 300-200 M 0810 hrs	x	x			x h	7x ² 1bj		3x	3x f
DH76/53 28.9.53 200-100 M 0825 hrs	x		2x a x e	x o		8x ² 1jw		3x	x f

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Banks Strait wide									
DH76/53	x		x ² e	3x o	x a	4x ²	x e	x	
28.9.53			4x a		x	bjd			
100-50 M									
0840 hrs									
DH76/53		x ²	x a	x ² o		x j		x	x j
28.9.53			x e						x o
50-0 M				spilt					
0850 hrs									
DH76/53	x			3x a		11x ²			x b
28.9.53				x o		abc			x f
0 M									
0945 hrs									
St. Helens									
DH77/53	x	x		x o	x a	15x ²		x	2x d
28.9.53						bae			
100-0 M									
1800 hrs									
DH77/53		x		x o		7x ²		x	2x d
28.9.53						boj			x a
100-0 M									
1805 hrs									
DH77/53	x				x a	5x ²		x	3x d
28.9.53						abj			x a
50-0 M									x o
1810 hrs									
DH77/53					2x a	4x ²		x	x d
28.9.53						bwo			x a
100-50 M									
1815 hrs									

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
St. Helens DH77/53 28.9.53 75-25 M 1820 hrs					x a	7x ² wpr		x	2x d x a
DH77/53 28.9.53 0 M 1842 hrs	2x			x f	2x ²	36x ³ ajt			2x ³ d 4x ² a 2x f x m
Cape Lodi DH78/53 29.9.53 75-0 M 0050 hrs	x			x e	2x ok x a	x ³ bjd		x	4x d x f x a
DH78/53 29.9.53 75-0 M 0055 hrs	x				3x ok	5x ² bjo		x	x ² j x d x m x a
DH78/53 29.9.53 37-0 M 0100 hrs	x				2x o x a	x ² bj		x	x ² j x d x a
DH78/53 29.9.53 75-37 M 0105 hrs	x			x e	x ok	6x j		x	x d
DH78/53 29.9.53 51-18 M 0110 hrs	x			x e	2x ok	2x ² bjw		x	x ² j

PLANKTON

Station	Fi	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Maria Island									
DH79/53	x				x ² a	4x ³ abc		3x	x b
1.10.53									
75-0 M									
1620 hrs									
DH79/53				x g	x ² a	3x ³ dab	x e	2x	x c x b
1.10.53									
75-0 M									
1625 hrs									
DH79/53		x			x ² a	x ³ afj	4x d x e	x	
1.10.53					x k				
37-0 M									
1630 hrs									
DH79/53		x			5x a	6x ² abc		x	
1.10.53					x c				
75-37 M									
1635 hrs									
DH79/53	x	x	x a		5x ² a	2x ³ abj	2x ² db 8x e	x	x a x d x c
1.10.53									
56-19 M									
1640 hrs									
DH79/53	x				x a	13x ³ aib	6x ² d 6x ² e		x f x c
1.10.53									
0 M									
1700 hrs									

PLANKTON

Station	Fi	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Maria Island wide									
DH80/53 2.10.53 500-0 M 1910 hrs	4x			x g	3x ² fkh	4x ³ 1jq		7x	4x ² f x a
DH80/53 2.10.53 50-0 M 1925 hrs	x ²				7x fk	2x ² Dj		6x	x j x f
DH80/53 2.10.53 800-500 M 1940 hrs	x				x f	16x ² 11q		x	x ² f x o x d
DH80/53 2.10.53 500-0 M 1945 hrs	5x			5x o x g	8x ² f	3x ³ 1jd		x ²	2x ² f x a
DH80/53 2.10.53 500-400 M 2000 hrs	x				x k	5x ² 1dq		x	x ² f
DH80/53 2.10.53 400-300 M 2020 hrs						3x w			x a
DH80/53 2.10.53 300-200 M 2050 hrs	x				x k	4x ² 1dq		2x	3x f

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Maria Island wide									
DH80/53				x o	x ² k ²	8x ² ldq		x	4x f
2.10.53				x g					
200-100 M				x e					
2100 hrs									
DH80/53	3x			x o	x k	2x ² 1jq		3x	x f
2.10.53									x d
100-50 M									x a
2110 hrs									
DH80/53	2x ²			x o	x ²	2x ⁴ jlb		2x ²	8x ² d
2.10.53				x g					
0 M									
2132 hrs									
Cape Pillar									
DH81/53		2x			3x ² a	2x ³ abi	3x d	x	4x d
3.10.53							3x e		2x a
100-0 M									x f
0730 hrs									
DH81/53		2x	x f		x a	3x ³ abc	7x e	x	3x f
3.10.53									2x d
100-0 M									
0740 hrs									
DH81/53		3x	7x a		2x ² a	2x ³ wbt	6x d	x	x f
3.10.53			2x e				2x e		x d
50-0 M									x a
0745 hrs									
DH81/53		x			4x ² a	2x ³ bcf	3x d	x	2x d
3.10.53					x k		2x e		
100-50 M									
0750 hrs									

PLANKTON

Station	Fi	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Cape Pillar DH81/53 3.10.53 75-25 M 0755 hrs		x	x a		9x a	7x ² lfb	x e x d	x	x f x d
DH81/53 3.10.53 0 M 0820 hrs		7x	x ² a	x o	6x a	6x ³ abi	4x e 3x d	x	3x d 2x f x b x o
Tasman Head DH82/53 4.10.53 60-0 M 0925 hrs		3x			4x ² a	x ² abA			x d x a
DH82/53 4.10.53 60-0 M 0930 hrs		2x			5x ² a	x ² bof		x	x d
DH82/53 4.10.53 30-0 M 0935 hrs		x			x a	3x a			x a x d
DH82/53 4.10.53 60-30 M 0940 hrs					2x ² a x o	4x b			x d
DH82/53 4.10.53 45-15 M 0945 hrs	x	x			6x ² a	2x ob		x	

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Low Rocky Cape DH83/53 20.11.53 90-0 M 1850 hrs			2x ² a	x b	x ² a 2x ok	2x ³ jbc		2x	x d x c
DH83/53 20.11.53 90-0 M 1900 hrs			9x ² ba		2x ² a 3x c	2x ³ jbc		x	3x d
DH83/53 20.11.53 45-0 M 1905 hrs	x		5x ba		x ³ a 2x c	2x ³ jbv		x	
DH83/53 20.11.53 90-45 M 1910 hrs	x		2x a		x ² a x cf	2x ² bdj		x	x d x a
DH83/53 20.11.53 70-25 M 1920 hrs		x	3x gb		2x a x c	3x ² jli		x	x m x d
DH83/53 20.11.53 0 M 1940 hrs		x ³	x ²	x f	19x ⁴ x ²	5x ⁴ jbd			x ² e x ² m
18 miles W Low Rocky Cape DH84/53 21.11.53 650-0 M 0200 hrs	x		6x a x	x ² e 5x g 2x b x c	x ² a 3x kon	4x ³ jl		x ²	3x ² f x k

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
18 miles W Low Rocky Cape DH84/53 21.11.53 350-0 M 0215 hrs			x	2x ² e 5x b	x ² a 2x knh	2x ³ jlv		x ²	7x f
DH84/53 21.11.53 0 M 0230 hrs				2x ³ b	2x ² x a	2x ³ j			3x ² a 8x d x e
DH84/53 21.11.53 570-0 M 2335 hrs			x o	5x b 5x e 2x g	6x a 2x kfn	2x ³ jEo			3x b 2x a x e
Edge of Shelf Low Rocky Cape DH85/53 21.11.53 200-0 M 0330 hrs				2x ² e 3x g x b	5x a x kmh	2x ³ jlv		x	x d
DH85/53 21.11.53 200-0 M 0340 hrs				6x e x b x g	x a 2x kmf	4x ² jl		5x	2x a x e x f
DH85/53 21.11.53 100-0 M 0350 hrs			x	9x e 2x o	2x a x kmf	6x ² jl		2x	x e x d
DH85/53 21.11.53 0 M 0405 hrs	x			x f x e	7x ² a	3x ³ kij		2x ²	2x ² a x ³ d 4x o x k x e

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
6 miles W Sandy Cape DH86/53 24.11.53 50-0 M 0725 hrs					4x a x o	2x ³ jwo		x	x d x a
DH86/53 24.11.53 50-0 M 0735 hrs		x		x g	x o	3x ² jwi		x	
DH86/53 24.11.53 25-0 M 0740 hrs	x	x			x a	2x ² jwi			x d
DH86/53 24.11.53 0 M 0755 hrs		4x				2x ³ iab			2x d x o
20 miles W Sandy Cape DH87/53 24.11.53 550-0 M 1100 hrs				2x ² g x o	x ² a x n	6x ² jdl		x	4x f 2x a x o
DH87/53 24.11.53 500-0 M 1128 hrs			x a	2x ³ g x o	4x ² a x hfn	x ³ jlw		x	3x f x a
DH87/53 24.11.53 0 M 1210 hrs		3x				4x ² ib		x	x o

PLANKTON

Station	Fi	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
16 miles W Sandy Cape DH88/53 24.11.53 200-0 M 1305 hrs				x i x g x b	6x a	2x ³ g ³		x	x d
DH88/53 24.11.53 200-0 M 1320 hrs				5x g	3x ² a	x ³ jli			2x a 2x f x o x a
DH88/53 24.11.53 100-0 M 1330 hrs		x	2x a	x b x g	8x ² a	2x ³ ji		x	x a
DH88/53 24.11.53 0 M 1400 hrs		x ²				5x ³ ib			x d
50 miles W Cape Grim DH89/53 24.11.53 500-0 M 2220 hrs	x	2x	4x a	2x ² g x i	6x a 2x kmf	2x ³ jlg		2x	8x f x a
DH89/53 24.11.53 500-0 M 2240 hrs	x	2x	3x a	6x ³ g	6x a x mkn	x ³ jlg		x	2x ² f
DH89/53 24.11.53 0 M 2315 hrs		6x ²	4x ³ a	4x ² o x i	25x ⁴ 4x ³	25x ³ bji		x ²	5x ² a 3x ² d x ² f x ² o

PLANKTON

Station	Fi	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
18 $\frac{1}{2}$ miles W Cape Grim DH90/53 25.11.53 180-0 M 0015 hrs	x	x	2x a	3x ² e 7x b 4x g	2x ³ a x	2x ³ jbi		7x	x d
DH90/53 25.11.53 185-0 M 0025 hrs			x a	6x g 2x b 2x e	x ³ a x n	2x ³ jbl		2x	x o
DH90/53 25.11.53 100-0 M 0035 hrs	x	x		x ² b 3x g	x ³ a	2x ³ jbl	x o		x f
DH90/53 25.11.53 0 M 0100 hrs		x ²		2x ³ b	2x ⁴ a 6x ²	5x ³ jil		x ²	x ² a x ² d
8 miles W Cape Grim DH91/53 25.11.53 60-0 M 0715 hrs	x			2x c x g	x a	5x ² ji		x	
DH91/53 25.11.53 60-0 M 0720 hrs		x		2x b	x a	5x ² jib		x	x d
DH91/53 25.11.53 30-0 M 0727 hrs					8x a	2x ² jig		x	x o x d

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cr	Ch	
<u>DERWENT HUNTER.</u>									
8 miles W Cape Grim DH91/53 25.11.53 0 M 0745 hrs		3x			x a	3x ³ iab			3x d
SW Maatsuyker DH92/53 4.12.53 500-0 M 0215 hrs				x ² g x b	2x mkl	8x ² jwi		3x	x ² e 3x f
DH92/53 4.12.53 500-0 M 0235 hrs	x	x	5x a	3x ² g	4x mk 3x a	3x ³ i1D		6x	8x f 2x a
DH92/53 4.12.53 0 M 0345 hrs		6x		5x f x g	6x ³ a x	6x ³ jbi		4x	2x ² d 7x e x b
10 miles Wx3 Maatsuyker Island DH93/53 / 4.12.53 220-0 M 0850 hrs			4x a	5x g x c	x k	5x ³ bjv			4x ² e x c
DH93/53 4.12.53 220-0 M 0905 hrs				4x g 3x o		x ³ juv		5x	7x e x i

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
10 miles WxS Maatsuyker Island DH93/53 4.12.53 110-0 M 0915 hrs				9x g x c	x a	x ³ jv			2x ² e x i
DH93/53 4.12.53 0 M 0940 hrs		x ²	x b		x a	12x ³ jbi		3x ²	x ² d
4 miles W Maatsuyker DH94/53 4.12.53 50-0 M 1120 hrs				x ² b	4x ² a x _{ko}	15x ² bik			
DH94/53 4.12.53 50-0 M 1125 hrs		3x		4x ² b	x ² a x c	7x ² jlk			
DH94/53 4.12.53 25-0 M 1130 hrs				2x ² b	x ² a x c	5x bik			
DH94/53 4.12.53 0 M 1140 hrs		5x	x a	4x ² b	x ² a	7x ³ ikb		2x	4x d 2x f

PLANKTON

Station	Fi	Fe	Ap	Ac	E	Co	Cl	Ch.	
<u>DERWENT HUNTER.</u>									
Tasman Head	x								
DH95/53				x b	3x a	8x ² jbi		x	x d
29.12.53									x a
60-30 M									x o
1230 hrs									
DH95/53				7x b	x o	x ³ jod			
29.12.53					x a				
45-15 M									
1237 hrs									
DH95/53				3x ² b		x ³ jd		x	x d
29.12.53									
30-0 M									
1242 hrs									
DH95/53				2x b	5x a	x ³ jbi		x	x d
29.12.53					x o				x a
60-0 M									
1247 hrs									
DH95/53				6x ² b	x o	5x ² jb			x d
29.12.53									x a
60-0 M									
1251 hrs									
Cape Pillar									
DH96/53					x ² o	4x ² j			
29.12.53									
100-50 M									
2135 hrs									
DH96/53					x ³ o	x ³ ja		x	2x a
29.12.53									x m
75-25 M									
2145 hrs									

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Cape Pillar DH96/53 29.12.53 50-0 M 2150 hrs					3x ³ _o	7x ² _j		x	x j
DH96/53 29.12.53 100-0 M 2157 hrs					2x ³ _o	x ³ _j		3x	x e x a
DH96/53 29.12.53 100-0 M 2205 hrs	x				9x ² _o	x ³ _{jo}			x m x d
DH96/53 29.12.53 0 M 2305 hrs					4x ⁴ _{x²a}	7x ⁴ _{jg}		x ³	2x ² _d x ² _e x a
Maria Island DH97/53 30.12.53 85-4.3 M 0755 hrs				x b	2x a x	4x ² _{jod}		x	x d
DH97/53 30.12.53 62-21 M 0810 hrs				x ² _b	x	x ³ _{jod}			x e x d
DH97/53 30.12.53 43-0 M 0820 hrs				x b	x	4x _{jo}			

PLANKTON

Station	Fi	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Maria Island									
DH97/53				3x b	2x a	2x ³		x	x d
30.12.53				x g		jd			x b
85-0 M									
0825 hrs									
DH97/53				2x b	2x a	8x ²		x	x a
30.12.53				x g	x	jop			x b
85-0 M									x e
0832 hrs									x d
DH97/53		x		x g	2x	x ³			x a
30.12.53						bia			x e
0 M									3x d
0910 hrs									
Maria Island									
wide									
DH98/53	x				x _{hg}	5x ²		x	6x f
30.12.53						ljq			x d
950-500 M									
1147 hrs									
DH98/53						2x ²		x	5x f
30.12.53						lq			x a
500-400 M									
1220 hrs									
DH98/53		x			x h	2x ²		x	3x f
30.12.53						ljD			
400-300 M									
1250 hrs									
DH98/53			x a	x e		x ²		x	x f
30.12.53						bd			
300-200 M									
1310 hrs									

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Maria Island wide									
DH98/53 30.12.53 200-100 M 1320 hrs		x	x a x e	x g	3x a x o	13x ² big		2x	x ² j x f
DH98/53 30.12.53 100-50 M 1333 hrs			x a	x g	4x a	2x ² gjo		x	x ² j x d x e
DH98/53 30.12.53 50-0 M 1342 hrs			x a	2x ² g 3x o	6x a x o	7x ² jd		3x	2x a
DH98/53 30.12.53 500-0 M 1355 hrs			x a	x ² g x o	2x ² a x hmf	9x ³ jdl		x ²	2x ² f x a x o
DH98/53 30.12.53 500-0 M 1415 hrs		x		9x g 2x o	2x ² a x hm	5x ³ joq		x ²	x ² f 2x a
DH98/53 30.12.53 0 M 1530 hrs		3x ²		2x b x g		4x ³ jbd		2x	x ² e x b x d x o
Cape Lodi DH99/53 31.12.53 60-30 M 1252 hrs				x b x g	x f	3x ² jo		x	5x e x d x a

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Cape Lodi DH99/53 31.12.53 45-15 M 1257 hrs				x b x g	x a	2x ² j		x	x ² e x f x d x a
DH99/53 31.12.53 30-0 M 1303 hrs		x		x b x g		3x ² jd			2x ² e x d
DH99/53 31.12.53 60-0 M 1307 hrs				x o	x a	2x ² j		x	6x e x d x a
DH99/53 31.12.53 60-0 M 1312 hrs				x b x g	x _{om}	9x ² jow		x	x ² e x d x a x o
St. Helens DH100/53 31.12.53 100-50 M 1945 hrs						2x ² bij			x a x e x f x o
DH100/53 31.12.53 75-25 M 1947 hrs			x a	x g	2x a	8x ² biw		x	x a x b x d
DH100/53 31.12.53 50-0 M 1952 hrs				6x g	4x a x o	2x ³ bjr		5x	x d x a

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
DH100/53 31.12.53 100-0 M 1957 hrs		x	x a	4x g	2x a x c	6x ² 1cl		x	2x d x b x a
DH100/53 31.12.53 100-0 M 2003 hrs	x			2x ² g	2x ² a 4x c	5x ³ oil		9x	5x d 3x a x b x c x c

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Banks Strait									
DH1/54			x a	x o	x a	2x ²		x	x e
1.1.54					x _{ok}	AD			x a
60-30 M									
0105 hrs									
DH1/54			x a	x g	x _{ok}	2x ²		x	x e
1.1.54				x o		jA			x a
45-15 M				x e					x o
0110 hrs									
DH1/54			x a	2x b	x a	12x ²		3x	x f
1.1.54				x g	x _{ok}	1j c			x d
30-0 M									x e
0117 hrs									x a
									x o
DH1/54			x a	x o	2x _{ok}	2x ³		7x	8x e
1.1.54						o j g			x d
60-0 M									x m
0122 hrs									x a
									x o
DH1/54				x g	3x	3x ³		x ²	x ² e
1.1.54				x b	o k f	j l d			7x a
60-0 M				x o					3x d
0137 hrs									
DH1/54		x	x a	3x f	3x ²	2x ⁴		4x ²	2x ³ e
1.1.54				2x b	9x a	b j l			3x ² a
0 M									5x b
0200 hrs									4x d
									2x f
									x m
									x o

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Banks Strait wide DH2/54 1.1.54 600-500 M 0620 hrs						x w			x m
DH2/54 1.1.54 500-400 M 0640 hrs					x a	2x ² Dq		x	2x f x o
DH2/54 1.1.54 400-300 M 0700 hrs					x h x a	2x ² 1q		x	x f
DH2/54 1.1.54 300-200 M 0720 hrs					x h	6x ² 1j		x	x a x o
DH2/54 1.1.54 200-100 M 0733 hrs			x a			9x ² 1D		x	x f x o x a
DH2/54 1.1.54 100-50 M 0742 hrs			x a	x o	x a	9x ² blw		x	x f
DH2/54 1.1.54 50-0 M 0750 hrs			2x a	3x o x g		8x ² Abw		4x	9x e x b

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DEEWENT HUNTER.</u>									
Banks Strait wide									
DH2/54		x	x a	5x o	2x a	9x ³		x ²	8x e
1.1.54				4x b	x	1ok			7x f
500-0 M				x g	hnf				x b
0805 hrs									x a
									x o
DH2/54			6x a	2x o	4x a	9x ³		x ²	8x f
1.1.54				x i	2x	1AD			x b
500-0 M				x b	fn				x a
0826 hrs				x g					x o
									x k
DH2/54		x ²		3x b		4x ³ b			x ³ l
1.1.54				x o					x b
0 M									x o
0940 hrs									x e
Babel Island									
DH3/54		x			x o	x ³		x	x d
2.1.54						abc			
40-0 M									
0405 hrs									
DH3/54					x o	9x ²		x	x a
2.1.54						abc			x f
40-0 M									
0410 hrs									
DH3/54						18x ³			3x a
2.1.54						abc			x o
0 M									
0430 hrs									

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Babel Island wide DH4/54 2.1.54 500-0 M 1000 hrs					x a	2x ³ bwa		x	x a
DH4/54 2.1.54 500-0 M 1020 hrs					x a x hkf	4x ³ lbw		6x	3x a x o
Paddock DH5/54 2.1.54 1000-500 M 1715 hrs						8x Aw			
DH5/54 2.1.54 500-400 M 1750 hrs						3x w			x ² e
DH5/54 2.1.54 400-300 M 1805 hrs						x ² abw		x	
DH5/54 2.1.54 300-200 M 1820 hrs						2x wi			
DH5/54 2.1.54 200-100 M 1830 hrs			x a			8x abw			

PLANKTON

Station	Fi	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Paddock DH5/54 2.1.54 100-50 M 1837 hrs				x b		x ³ abw		x	
DH5/54 2.1.54 50-0 M 1845 hrs				x b	x a	24x ² abv		5x	x c x b x d x e x a
DH5/54 2.1.54 500-0 M 1855 hrs		x		x b	x a x jhn	6x ³ bln		6x	8x f
DH5/54 2.1.54 500-0 M 1910 hrs				x c	2x a x mfe	2x ³ lni		5x	4x f x b
DH5/54 2.1.54 0 M 2000 hrs	x			6x ² c 2x ² b	9x ³ x a	15x ³ Awl		x ²	6x ² a x d x e
Cape Everard wide									
DH6/54 3.1.54 400-0 M 0135 hrs					3x hfe	5x ² ldi		5x	x a
DH6/54 3.1.54 400-0 M 0150 hrs					2x ² hfk 4x a	4x ³ ldi		4x	2x a

PLANKTON

Station	Fl	Fa	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Gabo Island									
DH7/54					3x	5x ²		x	
3.1.54					chg	bel			
85-42 M					x a				
0805 hrs									
DH7/54					x c	8x ³		x	4x d
3.1.54						bcw			
64-21 M									
0813 hrs									
DH7/54					2x c	4x ³		x	5x d
3.1.54						cbC			
42-0 M									
0830 hrs									
DH7/54			x a		3x c	9x ³		2x	5x d
3.1.54						bcw			x b
85-0 M									x a
0835 hrs									x c
DH7/54					x ² c	2x ⁴		8x	x ² d
3.1.54					x a	bcy			4x b
85-0 M									x e
0840 hrs									x c
DH7/54					x ²	26x ⁴			x ² a
3.1.54						abw			x c
0 M									
0900 hrs									
Eden									
DH8/54						x ²		x	x e
3.1.54						abc			x d
60-30 M									
1515 hrs									

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Eden DH8/54 3.1.54 45-15 M 1520 hrs	x	x		x d	x a	2x ² ads		3x	x h x d
DH8/54 3.1.54 30-0 M 1525 hrs			x a	6x a x c x d x i	x a	3x ³ sbv		7x	x ² d x h x c
DH8/54 3.1.54 60-0 M 1530 hrs				x c x a	x a	3x ² asv		x	x e x d
DH8/54 3.1.54 60-0 M 1535 hrs				2x a x d	3x c	x ³ sdb		3x	x d x e x h x a
DH8/54 3.1.54 0 M 1605 hrs	x	x	x a	5x ² a x c x i	4x	3x ⁴ mna		x ²	3x ² h 2x ² d x e x o
Eden wide DH9/54 4.1.54 500-400 M 1355 hrs						2x wb			
DH9/54 4.1.54 400-300 M 1415 hrs						1 2x aw		x	x e

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Eden wide DH9/54 4.1.54 300-200 M 1430 hrs					x a	x ² mb		x	
DH9/54 4.1.54 50-0 M 1500 hrs			x a	2x o	x mn	4x ³ rma		6x	x h x a
DH9/54 4.1.54 500-0 M 1515 hrs				x o x d	x kej	4x ³ nab		3x	5x h x o
DH9/54 4.1.54 500-0 M 1535 hrs					x h	x ³ nav		x	x f x h x e x a
DH9/54 4.1.54 200-100 M 1542 hrs						x m		x	
DH9/54 4.1.54 100-50 M 1555 hrs				x d	x a	7x ² amn		2x	x h x a
DH9/54 4.1.54 0 M 1625 hrs				2x o x d	x	33x ³ abw		8x ²	2x h 2x a x d

PLANKTON

Station	Fl	Fa	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Ulladulla DH10/54 5.1.54 60-30 M 0645 hrs					x a	8x ² abm	x ² b 2x e	x	3x h
DH10/54 5.1.54 45-15 M 0655 hrs		2x	3x a x e		3x a	13x ² amn	7x ² b 2x ² e 2x ² a	x	x h x g x f x d
DH10/54 5.1.54 30-0 M 0700 hrs		3x	x a	x d	x a	15x ² abn	x ³ b 2x ² a 2x ² e 2x o	x	2x g
DH10/54 5.1.54 60-0 M 0705 hrs		4x	2x a		3x a	7x ² amn	4x ² b 6x e 5x a	2x	x g
DH10/54 5.1.54 60-0 M 0712 hrs	2x	6x	x a		2x a	16x ² abm	x ³ b 3x ² a 5x e 4x o	4x	
Barranjoey Head DH11/54 10.1.54 50-0 M 1135 hrs		x	3x ² ab	2x d		45x ² abh	5x ² a 4x ² b	x	4x g x o
DH11/54 10.1.54 50-0 M 1140 hrs			2x ² ab	8x d 5x a		4x ³ ahb	4x ² a 3x ² b x ² e		3x g

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Barranjoey Head DH11/54 10.1.54 0 M 1230 hrs			5x a			6x ³ _{ah}	x ³ _{bo}		
Barranjoey Head DH12/54 10.1.54 200-0 M 1557 hrs		x	x ² a	4x ² a	x n	25x ³ _{hab}		6x	2x h 2x f x e
DH12/54 10.1.54 200-0 M 1605 hrs			5x a	4x ² a	x m	3x ³ _{hak}	2x b	5x	2x f 2x d x h
DH12/54 10.1.54 300-200 M 1620 hrs				x j	3x _{em}	2x ² _{hbv}			
DH12/54 10.1.54 0 M 1627 hrs		x		8x a 8x b		16x ³ _{hek}	4x ² b	2x	2x ² c 6x g 3x a 3x b
Barranjoey Head wide DH13/54 10.1.54 500-400 M 1745 hrs				3x a	2x _{meg}	9x ² _{hel}		6x	2x f

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Barranjoey Head wide DH13/54 10.1.54 400-300 M 1805 hrs				x a	2x _{eg}	4x ² _{hel}			x f
DH13/54 10.1.54 200-100 M 1830 hrs			6x a	4x ² a	2x _{ke}	x ³ _{hab}		4x	x d
DH13/54 10.1.54 100-50 M 1837 hrs						x _{hme}			
DH13/54 10.1.54 50-0 M 1842 hrs			2x a	x ² a x b x j		12x ² _{mhb}	x a	3x	x g
DH13/54 10.1.54 500-0 M 1925 hrs			8x a	x ³ a x g	3x ² _{ekh}	4x ³ _{abh}	2x ² a	x ²	5x h 3x g 2x f
DH13/54 10.1.54 500-0 M 1945 hrs				4x a x b	2x ² _{ekh}	2x ³ _{hlb}		3x	2x f 2x a
DH13/54 10.1.54 0 M 2018 hrs				2x j	4x ³	24x ³ _{hom}	2x ² b		2x ² f

PLANKTON

Station	Fl	Fa	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER</u>									
Norah Head wide DH14/54 11.1.54 600-500 M 0021 hrs					x k	2x ² luv		x	x f
DH14/54 11.1.54 500-400 M 0050 hrs						x ² lvb		x	x f
DH14/54 11.1.54 400-300 M 0110 hrs						x			
DH14/54 11.1.54 300-200 M 0126 hrs					x k	x			
DH14/54 11.1.54 200-100 M 0140 hrs				x a		8x hbl		x	x f
DH14/54 11.1.54 100-50 M 0152 hrs		x	x c		x e	5x ² hbl		x	x a
DH14/54 11.1.54 50-0 M 0200 hrs				6x ² a	2x	x ³ abh	2x a	2x	2x f x g

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Norah Head wide									
DH14/54				2x ³ a	2x ²	4x ³		2x ²	6x g
11.1.54				3x d	keg	1bh			x f
500-0 M									
0210 hrs									
DH14/54				x ³ a	3x ²	35x ²	6x a	2x ²	4x g
11.1.54				3x d	kme	1bh	x b		3x f
500-0 M									x o
0230 hrs									
DH14/54			x a	x ³ a	5x ²	4x ³	x a		4x ² g
11.1.54				3x d		hbq			x ² h
0 M				x g					4x i
0315 hrs									x d
									x o
Norah Head									
DH15/54	x	3x	2x ² a		4x	55x ²	2x o	x ²	9x g
11.1.54					kem	hal			4x f
200-0 M									
0450 hrs									
DH15/54					5x	3x ³		5x	x h
11.1.54					ekm	abh			x e
200-0 M									x o
0500 hrs									
DH15/54				2x b		6x ³	x ²	x ²	6x g
11.1.54				2x a		hbk	cb		x h
0 M									x o
0525 hrs									
Norah Head									
DH16/54		x	2x ² ba	x a		4x ³	4x ³ a	x ²	x d
11.1.54				x d		ahb	3x ³ bc		x e
50-0 M									x k
1105 hrs									

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER</u>									
Norah Head DH16/54 11.1.54 50-0 M 1110 hrs	x		3x _{ab}	x d		6x ² _{abh}	6x ² _a 3x ² _{ob}		
DH16/54 11.1.54 0 M 1127 hrs	x	2x ³		3x d		4x ³ _{abh}	6x ³ _{bc} 6x ² _a	6x	
Nobby's Head DH17/54 11.1.54 50-0 M 1525 hrs	x	x	5x ² _{ab}	x ² d		5x ³ _{abh}	3x ³ _b 2x ³ _a		x g
DH17/54 11.1.54 50-0 M 1530 hrs	x		4x ² _{ab}	2x ² d		2x ³ _{abh}	6x ² _a 6x ² _{bc}		x g
DH17/54 11.1.54 0 M 1545 hrs	x	x	9x ² _{ab}	x ² d		6x ³ _{abh}	8x ² _a 8x ² _b		
Nobby's Head DH18/54 12.1.54 200-0 M 0355 hrs	2x		2x ² a	2x a x d x o	3x ken	3x ³ _{abh}		x	x o
DH18/54 12.1.54 200-0 M 0403 hrs			x ² a	8x a	5x khm	35x ² _{hbl}		8x	x h x o

PLANKTON

Station	Fl	Fa	Ap	Ac	E	Co	Cl	Ch	
<u>DEWENT HUNTER.</u>									
Nobby's Head									
DE18/54			8x	x a		12x ²		8x	x o
12.1.54			ab	x d		ahc			x i
0 M									x g
0427 hrs									
Nobby's Head									
wide									
DE19/54					x e	2x ²		x	
12.1.54						lvq			
500-400 M									
0710 hrs									
DE19/54				x o	x	6x ²		x	3x f
12.1.54					kgh	vbl			
500-0 M									
0925 hrs									
DE19/54					x	5x ²		x	7x f
12.1.54					emi	lhb			x o
500-0 M									
0950 hrs									
DE19/54				x o	x e	x l		x	x f
12.1.54									
400-300 M									
1015 hrs									
DE19/54						x		x	
12.1.54						uw			
300-200 M									
1030 hrs									
DE19/54			x a			2x		x	x f
12.1.54						hen			
200-100 M									
1045 hrs									

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Nobby's Head wide DH19/54 12.1.54 100-50 M 1057 hrs			x a			2x vu		x	
DH19/54 12.1.54 50-0 M 1105 hrs	x		x _{ba}	x a		5x hab	x _{bc}	x	
DH19/54 12.1.54 0 M 1156 hrs			2x a	x a		6x hm	x	x	x h
Port Stephens DH20/54 12.1.54 50-0 M 1545 hrs	x		x ² ab	x d		12x ² abh	24x ² _a 12x ² _b x e	x	x i x g x j
DH20/54 12.1.54 50-0 M 1550 hrs	x		x ² ab	x d		24x ² abh	24x ² _a 12x ² _b x e	x	x i x g x j
DH20/54 12.1.54 0 M 1620 hrs			2x ² a			3x ³ abh	5x ³ _a 3x ³ _b		

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
14 miles E Eden DH21/54 31.1.54 100-50 M			x b	x d		2x bhu	x b	x	x o
DH21/54 31.1.54 100-50 M 2010 hrs			5x ba	x d	x a x k	x ² bhu	x a x b	2x	
DH21/54 31.1.54 50-0 M 2215 hrs	x		2x ² ba	5x d	x a	2x ³ abh	x ³ b x ³ a 8x e	2x ²	x o
DH21/54 31.1.54 50-0 M	x		x ² ab	3x d 2x a		2x ³ abh	x ³ b x ³ a x ² e	x ²	x c x h
DH21/54 31/1/54 0 M	x	8x ²		x ² d x i x a		7x ⁴ hao	5x ⁴ b 7x ³ a	2x ²	6x ² d x ² h x b x i x o
S 37° 08' E 150° 25' DH22/54 1.2.54 100-50 M 0045 hrs		x	x b			3x bhd	x b		
DH22/54 1.2.54 100-50 M				x d		x bhw		x	

PLANKTON

Station	Fj	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
S 37° 08'									
E 150° 25'									
DH22/54			3x a	3x de	2x eg	2x ³ abh	3x ² b	9x	2x c
1.2.54							6x a		x i
50-0 M									
0100 hrs									
DH22/54	x		x a	x a	2x eg	7x ² hab	2x ² b	x	
1.2.54				x de			2x a		
50-0 M									
DH22/54	2x	2x ²	3x ² a	x ³ a	x ³ e	14x ⁴ hab	x ³ b	x ³	9x ² g
1.2.54							9x ² a		x ² h
0 M									
S 37° 10'									
E 150° 35'									
DH23/54						x awD			
1.2.54									
500-300 M									
0630 hrs									
DH23/54			x a	x d		x bh		x	x e
1.2.54									
300-100 M									
DH23/54						4x hbv		x	
1.2.54									
100-50 M									
DH23/54		x	x ao	4x de	x k	6x ² hva	x ² b	3x	x g
1.2.54				3x a			x a		x c
50-0 M							x e		

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
S 37°10' E 150°35' DH23/54 1.2.54 0 M 0840 hrs			2x ³ _a	4x ² _a x ² _d		5x ³ _{abh}	12x ³ _b	x ²	6x _g 2x _i
S 37°12' E 150°45' DH24/54 1.2.54 500-300 M 1050 hrs				x _d	x _{eh}	6x ² _{blD}	x ² _b		
DH24/54 1.2.54 300-100 M				x _a x _d	2x _{ke}	4x ² _{hle}		x	x _g x _f
DH24/54 1.2.54 100-50 M 1115 hrs		x		3x _a x _{de}	x _{ke}	4x ² _{biv}			x _c
DH24/54 1.2.54 50-0 M 1120 hrs			2x _{ab}	x _a x _d		x _{hei}	2x ² _b x _a	x	x _c
DH24/54 1.2.54 0 M 1245 hrs						8x ³ _{ihc}	5x ⁴ _b	6x	x _c

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
S 37° 08'									
E 151° 22'									
DH25/54						x h		x	
1.2.54									
500-300 M									
1440 hrs									
DH25/54						3x ²		3x	3x f
1.2.54						vlq			x a
300-100 M									
DH25/54						x b		x	
1.2.54									
100-50 M									
DH25/54			2x			3x ²	x b	2x	x j
1.2.54			ao			eab			x g
50-0 M									
DH25/54			2x ² a	x ² d		5x ³	3x ² b	2x ³	3x h
1.2.54				3x a		bhi			3x i
0 M				x i					3x g
1630 hrs				x k					
S 37° 05'									
E 153° 02'									
DH26/54						2x			
2.2.54						ae			
500-300 M									
DH26/54						x			x h
2.2.54						ab			
300-100 M									
DH26/54					x k	x			x h
2.2.54						hb			
100-50 M									

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
S 37° 05'									
E 153° 02'									
DH26/54					x k	x ² abl		x	x ² e x h x f
2.2.54									
50-0 M									
DH26/54					x	5x ² abh		x	x ² e x h x f
2.2.54					kef				
100-0 M									
DH26/54	x			2x a	6x ²	7x ²		9x	6x ² e 2x ² h 3x f x a
2.2.54				x j	ecf	ale			
0 M				x i					
S 36° 56'									
E 155° 10'									
DH27/54						x			
4.2.54						abw			
500-300 M									
DH27/54						x			
4.2.54						ab			
300-100 M									
DH27/54				4x o		5x		x	
4.2.54						abg			
100-50 M									
DH27/54	x	x			x k	2x ² abi		x	x h
4.2.54									
50-0 M									
DH27/54		8x		7x a		7x ³ ai	2x b	3x ³	x ² h 5x e 4x b x o
4.2.54				x o					
0 M									
0725 hrs									

PLANKTON

Station	Fl	Fa	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
S 37° 08'									
E 156° 15'									
DH28/54						2x			x h
4. 2. 54						ab			
500-300 M									
DH28/54						5x		x	x f
4. 2. 54						lje			
300-100 M									
DH28/54				x a		2x		x	x h
4. 2. 54						abw			
100-50 M									
DH28/54	x		3x b	x a		2x ²		x	
4. 2. 54						abm			
50-0 M									
DH28/54				x ³ a		3x ³			5x ² e
4. 2. 54				x j		aib			3x h
0 M				x c					
S 38° 35'									
E 156° 20'									
DH29/54						4x		x	
5. 2. 54						lw			
500-300 M									
DH29/54				x e	x m	x		2x	x f
5. 2. 54									
300-100 M									
DH29/54	x			x b	x m				x a
5. 2. 54				x a					
100-50 M									

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
S 38° 35'									
E 156° 20'									
DH29/54			x b	5x a		6x			
5.2.54				x c		aiw			
50-0 M				x g					
DH29/54				x ³ a		2x ³	x b		
5.2.54						abi			
0 M									
S 40° 05'									
E 156° 14'									
DH30/54			x b			2x		x	x a
6.2.54						1b			
500-300 M									
DH30/54		x				x ²		x	x f
6.2.54						Ajw			
300-100 M									
DH30/54						x	x b		
6.2.54						ba			
100-50 M									
DH30/54				x a		8x	x a		
6.2.54						aiu			
50-0 M									
DH30/54	x	4x	5x b	x ² a		4x ³		2x ²	
6.2.54						abi			
0 M									
S 41° 15'									
E 156° 14'									
DH31/54				2x b	x m	x l		x	
6.2.54									
500-300 M									

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
S 41° 15'									
E 156° 14'									
DH31/54				x b	x _{mk}	4x _{1Dq}		x	2x f
6.2.54									x a
300-100 M									
DH31/54				x ² b	2x	5x ²			4x a
6.2.54				x g	f k j	1Dq			3x f
0 M									
S 42° 33'									
E 156° 15'									
DH32/54					x			x	x a
7.2.54									x f
500-300 M									
DH32/54				x b	x f	x _{vi}		x	
7.2.54									
300-100 M									
DH32/54				x ² b	2x	x ²			
7.2.54					mkf	1D			
100-50 M									
DH32/54				4x ² b	2x	6x E			x a
7.2.54					f g h				
50-0 M									
DH32/54				2x g	3x ³	x ³			x ² a
7.2.54				x f	f j	E1D			
0 M									
004.5 hrs									

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
S 42° 17'									
E 154° 30'									
DH33/54					3x fgh	3x ² lv		x	3x f x i
8.2.54									
500-300 M									
DH33/54				x b	x _{fh}	2x ² lji		x	x f x a
8.2.54									
300-100 M									
DH33/54				x g	x f	2x l		x	x f x e
8.2.54				x b					
100-50 M									
DH33/54				3x g		x _{lk}			x f
8.2.54				x b					
50-0 M									
DH33/54				2x ³ b		x b			5x a
8.2.54				x c					
0 M									
S 42° 28'									
E 152° 45'									
DH34/54				x b	x _{fg}	3x ² lje		2x	x f x a x e
9.2.54									
500-300 M									
DH34/54					x _{jh}	x w		x	x e x a
9.2.54									
300-100 M									
DH34/54					x j	x _{hb}		x	x a
9.2.54									
100-50 M									
DH34/54					x _{jk}				x a
9.2.54									
50-0 M									

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
S 42° 24'									
E 151° 00'									
DH35/54						x			
10.2.54						ab			
500-300 M									
DH35/54					x	3x 1			x a
10.2.54					kmp				x f
300-100 M									
DH35/54					2x	x			x a
10.2.54					kmp	1j			x f
100-50 M									
DH35/54				x g	x	x ²			x a
10.2.54				x b	fh	1jD			x d
50-0 M									
DH35/54				6x g	6x ² f	9x ²			3x a
10.2.54				x b		1kj			
0 M									
0200 hrs									
S 42° 20'									
E 149° 17'									
DH36/54				x b?					
10.2.54									
500-300 M									
DH36/54						2x ²		x	x f
10.2.54						bw			
300-100 M									
DH36/54						x b		x	x e
10.2.54									
100-50 M									

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
S 42° 20' E 149° 17' DH36/54 10.2.54 50-0 M				x c		2x b			x e
DH36/54 10.2.54 0 M 1815 hrs					3x m	5x ³ b1			6x a 2x b
S 42° 26' E 148° 42' DH37/54 10.2.54 100-50 M				x b	x h	x b			x e
DH37/54 10.2.54 50-0 M				2x g x c	5x hfk	x ² ldc		x	x a
DH37/54 10.2.54 50-0 M				x g	2x fh	x ² lb			
DH37/54 10.2.54 0 M		5x ²		2x g	2x ² fce x a	5x ² dbc		2x	4x e 3x d 2x a x b
S 42° 30' E 148° 15' DH38/54 11.2.54 50-0 M			8x a x e	2x g	4x a x cfh	3x ² cbd	x b	x	x b

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
S 42° 30' E 148° 15' DH38/54 11.2.54 50-0 M			7x _{ao}	2x g	4x a x _{oh}	3x ² obd		x	2x b
S 42° 06' E 148° 39' DH39/54 13.2.54 500-300 M					x h	x _{ld}			x f
DH39/54 13.2.54 300-100 M		x			9x _{hm}	2x _{lpo}			x f
DH39/54 13.2.54 100-50 M					4x _{hmk}	4x _{lqb}			
DH39/54 13.2.54 50-0 M					3x _{hf}	3x ² lbj			
DH39/54 13.2.54 0 M					x ³ _f	17x ³ abl		9x	x h
S 41° 33' E 149° 25' DH40/54 14.2.54 500-300 M					x _{hmj}	6x ² lqv		x	x f
DH40/54 14.2.54 300-100 M				x j		x ² lw		2x	x e

PLANKTON

Station	Fi	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
S 41° 33' E 149° 25' DH40/54 14.2.54 100-50 M				2x j		6x wAb		x	x g
DH40/54 14.2.54 50-0 M				x j	x m	x Ab			
DH40/54 14.2.54 0 M						2x ³ bi			2x b
S 40° 37' E 150° 40' DH41/54 15.2.54 500-300 M				7x j	x _{mj}	3x ² lv		2x	
DH41/54 15.2.54 300-100 M						x l			
DH41/54 15.2.54 100-50 M				x c	x m	4x b		x	x a
DH41/54 15.2.54 50-0 M				x b x c	x m	x i			
DH41/54 15.2.54 0 M				6x c	x m	4x ³ bhi			3x a 2x b

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER</u>									
S 39° 43'									
E 151° 55'									
DH42/54						2x 1			5x f
15.2.54									x a
500-300 M									
DH42/54	x			x c	x kmg	3x ² 1bD		x	x f
15.2.54									
300-100 M									
DH42/54	x		x a	5x c	x jmn	4x ² 1bD		x	x f
15.2.54				x a					
100-50 M									
DH42/54	x			x c	x jf	6x 1b		x	
15.2.54									
50-0 M									
S 38° 45'									
E 153° 11'									
DH43/54						x 1			
16.2.54									
500-300 M									
DH43/54				x c		2x ² b1D		2x	x f
16.2.54									
300-100 M									
DH43/54			x b	x c	x mnk	x ² bwj		x	x a
16.2.54									
100-50 M									
DH43/54			x b	x c		5x ² bw			x b
16.2.54									x a
50-0 M									
DH43/54			5x a	x ² c	x	4x ³ bie			3x b
16.2.54									x c
0 M									

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
S 37° 47'									
E 154° 25'									
DH44/54					x e	5x ² 1qD		x	3x f
17.2.54									
500-300 M									
DH44/54						x m			
17.2.54									
300-100 M									
DH44/54			x a		x k	x je			x j
17.2.54									
100-50 M									
DH44/54			x b			x ² bae		x	x h
17.2.54									
50-0 M									
DH44/54		6x	x b	3x a		6x ² abw			x h x c
17.2.54									
0 M									
1000 hrs									
S 37° 04'									
E 156° 01'									
DH45/54					x _{hk}	5x _{1D}		x	x f
18.2.54									
500-300 M									
DH45/54					x _{krm}	x ² lwm		x	x f
18.2.54									
300-100 M									
DH45/54					x _{kf}	5x _{1D}			x f
18.2.54									
100-50 M									

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
S 37° 04'									
E 156° 01'									
DH45/54			x b	5x a	x n	4x ²		x	x f
18.2.54						lab			x h
50-0 M									x g
DH45/54		7x		4x a		7x ³		5x	x ² e
18.2.54				x i		aie			4x a
0 M				x j					x h
S 35° 27'									
E 156° 00'									
DH46/54					x	x			x f
19.2.54					emk	1E			
500-300 M									
DH46/54					x	x ²			x f
19.2.54					ek	1D			
300-100 M									
DH46/54				x b	x g	x l		x	
19.2.54									
100-50 M									
S 33° 50'									
E 156° 00'									
DH47/54					x e	3x ² 1		x	x f
19.2.54									
500-300 M									
DH47/54					5x	2x ³			7x f
19.2.54					keh	1qp			
300-100 M									
DH47/54				x d		3x	x b	4x	x f
19.2.54						abg			
100-50 M									

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
S 33° 50'									
E 156° 00'									
DH47/54	x			x f	2x _{en}	2x ³ _{abh}		x ²	2x g
19.2.54									x h
50-0 M									x a
									x f
DH47/54	5x		x o	7x d	x e	12x ³ _{ahl}		3x ²	2x ² _n
19.2.54				2x a					2x ² _a
0 M				2x i					2x ² _h
									x ² _i
									x ² _k
									5x g
									x d
									x o
									x f
									x b
S 33° 50'									
E 154° 30'									
DH48/54						2x m	x b		x f
20.2.54									
500-300 M									
DH48/54				x g		x ² _m		2x	x f
20.2.54									
300-100 M									
DH48/54	x			x d		3x _{bm}		6x	x i
20.2.54									
100-50 M									
DH48/54						4x _{qzi}		5x	
20.2.54									
50-0 M									
DH48/54	2x		x l	5x d		8x ² _{bix}		4x ²	8x i
20.2.54				4x a					
0 M									

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
S 33° 50'									
E 153° 00'									
DH49/54						2x			x f
20.2.54						lh			
500-300 M									
DH49/54	x					2x		x	x f
20.2.54						lh			
300-100 M									
DH49/54	x				x _{ke}	x ³ _{alp}			3x f
20.2.54									
100-50 M									
DH49/54				x c	x g	2x ² _{lab}		5x	x e
20.2.54									x h
50-0 M									x i
DH49/54	x			4x a		3x ² _{abl}		x	2x ² _e
21.2.54				x j					x d
0 M				x d					x o
									x a
S 33° 50'									
E 152° 27'									
DH50/54						x l		x	x h
21.2.54									
500-300 M									
DH50/54						3x l			x f
21.2.54									x h
300-100 M									
DH50/54						x			x f
21.2.54						lb			
100-50 M									

PLANKTON

Station	Fi	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
3 33° 50'									
E152° 27'									
DH50/54			x a		x k	4x ² abi		x	x ² e x h x f
21.2.54									
50-0 M									
Gabo Island wide									
DH51/54	x					2x ² 1Dv		x	x f
7.3.54									
700-500 M									
DH51/54					x nm	x ² l		x	x f
7.3.54									
500-400M									
0630 hrs									
DH51/54					x d	x e	2x ² 1Dv	x	
7.3.54									
400-300 M									
0645 hrs									
DH51/54						8x 1Dv		x	x f
7.3.54									
300-200 M									
0703 hrs									
DH51/54			x o			2x ² abg		x	x f
7.3.54									
200-100 M									
0710 hrs									
DH51/54					x d	4x ² mae		2x	x h x f
7.3.54									
100-50 M									
0721 hrs									

PLANKTON

Station	Fi	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Gabo Island wide DH51/54 7.3.54 50-0 M 0723 hrs		x		2x a x d		3x ² mbi		2x	2x h
DH51/54 7.3.54 0 M 0915 hrs			8x _{ac}	8x ² a	2x	2x ⁴ mab	6x b	4x ²	
Paddock wide DH53/54 8.3.54 800-500 M 1524 hrs	x				x _{mi}	7x ² lvD		2x	5x f
DH53/54 8.3.54 500-400 M						9x lvq		x	x f
DH53/54 8.3.54 400-300 M 1600 hrs	x				5x _{ehg}	x ² lvD		x	
DH53/54 8.3.54 300-200 M 1613 hrs				x d	x e	3x lvn		x	
DH53/54 8.3.54 200-100 M 1626 hrs						5x bmD			

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Paddock wide DH53/54 8.3.54 100-50 M 1638 hrs				x a		4x ² bwa		x	x f
DH53/54 8.3.54 50-0 M 1642 hrs		x	5x _{ca}	3x a x d	x k	8x ² bag		3x	x b x h x g
DH53/54 8.3.54 0 M 1710 hrs		3x	2x ² cb	7x ² a 2x d		x ⁴ hbo	2x b	7x ²	3x ² g 6x b
St. Patrick's Head wide DH55/54 9.3.54 600-500 M 2030 hrs	x			x a x o	x m	8x lq		2x	
DH55/54 9.3.54 500-400 M 2104 hrs				x o				x	
DH55/54 9.3.54 400-300 M 2133 hrs				x o	x _{mf}	2x lma		x	x f
DH55/54 9.3.54 300-200 M 2150 hrs				x o	x _{mkh}	x lD		x	

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
St. Patrick's Head wide									
DH55/54 9.3.54 200-100 M 2202 hrs				x g	x _{mh}	2x 1			x a
DH55/54 9.3.54 100-50 M 2215 hrs				2x c	x _{hk}	2x 1		x	
DH55/54 9.3.54 50-0 M 2220 hrs					x _{he}	x ² _{lab}			
DH55/54 9.3.54 0 M 2310 hrs				2x c x g	2x ² _{feo}	3x ³ _{lob}		4x	2x a x d
St. Helens DH57/54 9.3.54 100-0 M 1520 hrs				x ² _a x c	x a	5x _{bo}		x	x b
DH57/54 9.3.54 100-0 M 1527 hrs				4x ² _a x ² _c x g	x	2x ² _{cb}		x	2x a x b x d
DH57/54 9.3.54 0 M 1555 hrs				6x ³ _a x c		2x ⁴ _{abc}			2x ² _b 2x d

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Eddystone Light									
DH58/54			x o	x o	x o	3x ²		x	x b
10.3.54				x e	x a	abc			
50-0 M									
0442 hrs									
DH58/54			2x	6x o	2x o	2x ²		x	x a
10.3.54			ca			bo			x i
50-0 M									
0446 hrs									
DH58/54	x			15x ²	4x ²	2x ³			4x ³ a
10.3.54				2x ² e		of			x ² d
0 M				x g					x ² b
0515 hrs									
Goose Island									
DH59/54			x	2x o	x o	5x			x o
10.3.54			ac	x e		boa			x b
50-0 M									
1415 hrs									
DH59/54			x a	x e		4x ²			x d
10.3.54				x o		abc			x b
50-0 M									x o
1417 hrs									
DH59/54			3x		3x o	3x ³	x d		2x b
10.3.54			ac			abc			2x a
0 M									x o
1440 hrs									x h
S 40° 15'									
E 146° 40'									
DH60/54				9x b	3x o	x			x b
10.3.54						ob			x o
80-0 M									
2338 hrs									

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
S 40° 15'									
E 146° 40'									
DH60/54			x _{ac}	8x b	3x c	5x ² _{cb}		x	x b
10.3.54									x d
80-0 M									x c
2344 hrs									
DH60/54	x				x ³	5x ² _{oy}		x ²	4x ² _b
11.3.54									8x d
0 M									
0005 hrs									
S 39° 37'									
E 146° 15'									
DH61/54					x ³ _a	6x ³ _{cby}		3x	6x ² _a
11.3.54									2x b
0 M									x d
1655 hrs									
DH61/54						2x ² _{cb}			2x d
11.3.54									x a
80-0 M									
1825 hrs									
DH61/54				x b	x	4x ² _c			x d
11.3.54									x a
80-0 M									
1833 hrs									
S 39° 10'									
E 145° 30'									
DH62/54					x c	x ³ _{cb}			x a
12.3.54									x d
50-0 M									
0053 hrs									

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
S 39° 10'									
E 145° 30'									
DH62/54					x o	x ³ cb			x o
12.3.54									x a
50-0 M									
0100 hrs									
DH62/54	x		x a		5x	x ⁴ cby		x	2x ² d
12.3.54									7x a
0 M									x o
0120 hrs									
Cape Liptrap									
DH63/54					x o	4x ² cba			
12.3.54									
50-0 M									
0335 hrs									
DH63/54				x b	2x o	3x ² cbC			x d
12.3.54									
50-0 M									
0340 hrs									
DH63/54			3x a		2x ²	15x ³ cby			9x a
12.3.54									4x d
0 M									x m
0350 hrs									
Cape Woolamad									
DH64/54		x	x ac		x o	5x ² cb			
12.3.54					x a				
60-0 M									
0955 hrs									

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DEEWENT HUNTER.</u>									
Cape Woolamai DH64/54 12.3.54 60-0 M 1000 hrs			x o			x ² cb			
DH64/54 12.3.54 0 M 1010 hrs		6x	x ca		x ²	2x ³ bai			2x ² a x c
Port Phillip Heads DH65/54 13.3.54 60-0 M 0515 hrs				x b	x o	3x ² boy			x a
DH65/54 13.3.54 60-0 M 0520 hrs				x b	2x o	3x ² cyC			
DH65/54 13.3.54 0 M 2530 hrs					5x	4x ⁴ cyb			9x a x d
Port Phillip Heads wide DH66/54 12.3.54 75-0 M 2042 hrs	x				x o	5x boy			x a

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Port Phillip									
Heads wide									
DH66/54	x				7x o	5x ² boy			7x a
12.3.54									
75-0 M									
2047 hrs									
DH66/54	2x				4x ³	4x ⁴ cby			6x ³ a 2x ² m x d
12.3.54									
0 M									
2112 hrs									
Lorne									
DH67/54	x				2x o	2x ² cb			x a
13.3.54									
60-0 M									
0110 hrs									
DH67/54				x b	x o	x ² cb			x a
13.3.54									
60-0 M									
0114 hrs									
DH67/54	3x ²			x ² b	x ³	25x ³ cby			2x ² m x ² d
13.3.54									
0 M									
0121 hrs									
Cape Otway									
DH68/54					x o	4x ² abc		x	
18.3.54									
65-0 M									
0817 hrs									
DH68/54					x o	x cb			
18.3.54									
65-0 M									
0825 hrs									

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Cape Otway DH68/54 18.3.54 0 M 0837 hrs					x	x ³ w			x a
S 39° 20' E 143° 25' DH69/54 18.3.54 100-0 M 1318 hrs			2x ² dca	3x g x b	x a	x ³ ogv		x	9x a x c
DH69/54 18.3.54 100-0 M 1325 hrs			2x ² a	x g		8x cbg			x a x c
DH69/54 18.3.54 0 M 1400 hrs			x c		4x c	4x ³ cbg		x ²	x ³ a
Peterborough DH70/54 19.3.54 50-0 M 0218 hrs					x c	2x ² bc			x a
DH70/54 19.3.54 50-0 M 0225 hrs					x c	4x ² cby			x ² e x a
DH70/54 19.3.54 0 M 0238 hrs					3x	6x ³ abc			x ² e x ² a x d

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Port Fairy DH71/54 19.3.54 50-0 M 1733 hrs						9x ² ob			x a
DH71/54 19.3.54 50-0 M 1738 hrs					x o	6x ² bci			x a
DH71/54 19.3.54 0 M					x	3x ⁴ baw			x a
S 39° 45' E 142° 20' DH72/54 20.3.54 500-400 M 0955 hrs			x a			x gw		x	
DH72/54 20.3.54 400-300 M 1020 hrs				x d		x g		x	
DH72/54 20.3.54 300-200 M 1035 hrs			x a			2x Dg		x	
DH72/54 20.3.54 200-100 M 1055 hrs			2x a			8x gb		2x	x a x f x o

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
S 39° 45'									
E 142° 20'									
DH72/54			3x a			3x ²		6x	x e
20.3.54						gb1			x o
100-50 M									
1110 hrs									
DH72/54			3x a			4x ²		3x	x a
20.3.54						gl			x o
50-0 M									
1116 hrs									
DH72/54		2x	x ² a			2x ⁴		x ³	
20.3.54						gbw			
0 M									
1155 hrs									
S 40° 50'									
E 143° 10'									
DH73/54	x			x e		2x		x	x f
21.3.54						1vD			x o
1000-500 M									
0015 hrs									
DH73/54						x			
21.3.54						1D		x	
500-400 M									
0040 hrs									
DH73/54				x e		x m		x	
21.3.54									
400-300 M									
0105 hrs									
DH73/54			x a	x e		x		x	x a
21.3.54									
300-200 M									
0120 hrs									

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
S 40° 50'									
E 143° 10'									
DH73/54					x	3x			x a
21.3.54					kfn	LED			x f
200-100 M									
0133 hrs									
DH73/54	x		x a		x	8x		x	x e
21.3.54					jk	bog			x a
100-50 M									x c
0140 hrs									
DH73/54			2x ²		5x	x ³		x ²	3x a
21.3.54			ao		kf	gbl			x e
50-0 M									x c
0145 hrs									
DH73/54				x j	4x ³	8x ³		2x ²	2x ³ a
21.3.54						gbv			x ² e
0 M									
0225 hrs									
S 41° 23'									
E 144° 15'									
DH74/54						x		x	x a
21.3.54						bg			
500-400 M									
1123 hrs									
DH74/54						x		x	x f
21.3.54						bw			x a
400-300 M									
1145 hrs									
DH74/54						x		x	
21.3.54						bg			
300-200 M									
1210 hrs									

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
S 41° 23'									
E 144° 15'									
DH74/54					x _{km}	x v		x	4x ² e
21.3.54									
200-100 M									
1218 hrs									
DH74/54					x k				3x ² e
21.3.54									
100-50 M									
1232 hrs									
DH74/54					x k	x g		x	x e
21.3.54									
50-0 M									
1238 hrs									
DH74/54						x ³ abg			
21.3.54									
0 M									
1312 hrs									
Albatross Island									
DH75/54				3x g		3x ²		x	x a
22.3.54				x i		bog			x f
60-0 M									
0855 hrs									
DH75/54				5x g	x a	4x ²		x	5x a
22.3.54				x i		abg			x d
60-0 M									x b
0900 hrs									

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
S 39° 30'									
E 144° 30'									
DH76/54				x g	x a	8x bo			x a
22.3.54									
50-0 M									
1640 hrs									
DH76/54				x b		5x oba			x a
22.3.54									
50-0 M									
1652 hrs									
DH76/54	x				x ³ o	4x ³ abo			x ³ a x ² e
22.3.54									
0 M									
1653 hrs									
S 40° 18'									
E 145° 15'									
DH77/54					x	4x ² abf			
23.3.54									
45-0 M									
0220 hrs									
DH77/54		x				2x ³ abf		x	x a x d x n
23.3.54									
45-0 M									
0227 hrs									
DH77/54		2x ²				3x ⁴ abf			5x n 2x a x m
23.3.54									
0 M									
0240 hrs									

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
S 40° 48'									
E 145° 35'									
DH78/54					x a	x ² abw			
23.3.54									
45-0 M									
0630 hrs									
DH78/54					x a	3x ² abc			
23.3.54									
45-0 M									
0641 hrs									
DH78/54	x		3x d			6x ³ abw			2x ² a
23.3.54									x o
0 M									x e
0646 hrs									
Burnie									
DH79/54		x ³	x ³ o			3x ⁴ abc	2x ³ a		2x ² a
23.3.54									x h
0 M									
1245 hrs									
DH79/54		x	8x ca	x b x e		9x ² bcf	4x d		x d
23.3.54									x b
75-0 M									x a
1310 hrs									x o
DH79/54		x	3x adc	x b	x a	3x ² bca	x d		x o
23.3.54									x d
75-0 M									x b
1319 hrs									
Low Head									
DH80/54	x		4x ca		x a	5x ² bcf	x d		x ² e
23.3.54									
50-0 M									
1915 hrs									

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch
<u>DERWENT HUNTER.</u>								
Low Head DH80/54 23.3.54 50-0 M 1926 hrs	x		3x a		x c	5x ² bcf	2x d	
DH80/54 23.3.54 0 M 1938 hrs	x ²				3x ³ c	8x ⁴ bcf		x ³ a 3x d
S 40° 20' E 146° 05' DH81/54 11.3.54 80-0 M 0411 hrs				x b	4x c	6x ² bc		x d x e
DH81/54 11.3.54 80-0 M 0417 hrs				x b	2x c	5x ² boy		x e
DH81/54 11.3.54 0 M 0430 hrs					2x ³ 2x ² a	2x ⁴ boy		7x ² a 4x ² d x ² m x ² f
S 39° 48' E 145° 35' DH82/54 11.3.54 80-0 M 1210 hrs	x				2x c	5x ² cb		x d x a
DH82/54 11.3.54 80-0 M 1215 hrs			2x _{ca}		x c	4x ² cb		x a

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
S 39° 48'									
E 145° 35'		x	x ² a	x b	x	4x ³ bc			
DH82/54									
11.3.54									
0 M									
1235 hrs									
S 39° 37'									
E 146° 15'									
DH83/54				x b	4x a	3x ² bc			x b
24.3.54					x c				
75-0 M									
2009 hrs									
DH83/54			8x a	3x b	2x c	5x ² cbC		x	x c
24.3.54					x ² a				
75-0 M									
2018 hrs									
DH83/54		3x	2x ² ad	3x b	8x	x ⁴ cby			2x b x c
24.3.54									
0 M									
2031 hrs									
N E Corner									
Bass Strait									
DH83A/54					x c	4x ² bca		x	3x a
25.3.54					x a				
75-0 M									
0555 hrs									
DH83A/54					x c	4x ² bcy		x	2x a
25.3.54					x a				
75-0 M									
0603 hrs									
DH83A/54			3x od			3x ³ bcw			2x ² a
25.3.54									
0 M									
0620 hrs									

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER</u>									
Wilson's Promontory									
DH84/54					x a	2x ² oba			x a
25.3.54									
75-0 M									
1205 hrs									
DH84/54					x a	2x ² ob			
25.3.54									
75-0 M									
1212 hrs									
DH84/54			7x d		3x c	4x ³ abc			x k
25.3.54									x o
0 M									x f
1220 hrs									x e
S 39° 25'									
E 146° 41'									
DH85/54						3x ² boa		x	x a
25.3.54									
75-0 M									
1600 hrs									
DH85/54					x a	3x ² oba		x	
25.3.54									
75-0 M									
1608 hrs									
DH85/54					5x ² o	x ⁴ oba			3x ³ a
25.3.54									x ² d
0 M									x ² k
1625 hrs									x o

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Kent. Group									
DH86/54					x a	2x ² _{bc}		x	x a
25.3.54									
50-0 M									
2058 hrs									
DH86/54		x	3x _{oa}		x o	5x ² _{ob}		x	
25.3.54					x a				
50-0 M									
2106 hrs									
DH86/54	2x		3x d	2x c	6x o	6x ³ _{cea}		x	8x a
25.3.54					x a				2x m
0 M									x o
2120 hrs									x h
Port Albert									
wide									
DH87/54	x		5x a	x c	x c	2x ² _{abc}		x	x h
26.3.54									x d
70-0 M									
0408 hrs									
DH87/54			4x a	x c		2x ² _{bae}			x b
26.3.54									x a
70-0 M									x h
0415 hrs									
DH87/54	x			4x c	9x c	2x ³ _{obf}			x ² a
26.3.54									x ² h
0 M									x ² b
0540 hrs									5x d
									4x f

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Paddock DH88/54 26.3.54 1000-500 M 1545 hrs					3x hef	4x ² lDE		x	
DH88/54 26.3.54 500-400 M 1615 hrs	x				x _{eh}	x ² lv		x	x f
DH88/54 26.3.54 400-300 M 1630 hrs					x _{he}	2x ² lj		x	
DH88/54 26.3.54 300-200 M 1640 hrs						3x lb		x	x f
DH88/54 26.3.54 200-100 M 1655 hrs						2x p			x d
DH88/54 26.3.54 100-50 M 1701 hrs					x _{km}	4x bv		x	x a
DH88/54 26.3.54 50-0 M 1705 hrs						x ² mgn		x	x h x o

PLANKTON

Station	Fi	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Paddock DH88/54 26.3.54 0 M 1800 hrs	2x		6x c	2x a	2x a	5x ³ abc		4x ²	6x i 2x g x a
Lakes Entrance DH89/54 27.3.54 33-0 M 1003 hrs			x ao			4x ² abc		x	x b x c x i
DH89/54 27.3.54 33-0 M 1011 hrs						5x abh			x c
DH89/54 27.3.54 0 M 1015 hrs	x	4x ²				2x ² yab			2x d x c x i x a
Lakes Entrance DH90/54 19.4.54 35-0 M 1315 hrs			2x aj			5x ² bca			x c
DH90/54 19.4.54 35-0 M 1322 hrs			5x a			3x ³ bca			x ² k x c
DH90/54 19.4.54 0 M 1327 hrs		x ²	x ² a		2x c	8x ² acd			

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Wilson's Promontory									
DH91/54 20.4.54 60-0 M 0507 hrs					x o	3x _{bo}			x a
DH91/54 20.4.54 50-0 M 0517 hrs			7x a		3x o	x ³ _{boy}			
DH91/54 20.4.54 0 M 0530 hrs			5x ² _{ao}			5x ⁴ _{bow}			x ⁴ a
Cape Liptrap									
DH92/54 20.4.54 50-0 M 1038 hrs					x o x a	6x ² _{obw}			x b x a
DH92/54 20.4.54 50-0 M 1043 hrs					x o	4x ² _{ob}			x a x d x k
DH92/54 20.4.54 0 M 1051 hrs	x	2x	5x a		x	8x ³ _{abw}			x ² k 2x a x o x d

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Cape Woolamai									
DH93/54					3x o	5x ³			
20.4.54						abw			
0 M									
1559 hrs									
DH93/54					x a	8x ²			
20.4.54						baa			
50-0 M									
1631 hrs									
DH93/54						8x ²			
20.4.54						bca			
50-0 M									
1634 hrs									
Port Phillip									
Heads									
DH94/54			3x ² a		2x ⁴ a	5x ⁴		2x ²	x ³ k
20.4.54					3x ²	obi			2x ² o
0 M									
2215 hrs									
DH94/54			x _{ba}		x o	3x ²			x d
20.4.54						cbw			
50-0 M									
2240 hrs									
DH94/54			x _{ao}		x a	4x ²			x d
20.4.54						cbw			
50-0 M									
2247 hrs									
Port Phillip									
Heads									
DH95/54						2x ³		x	
14.5.54						cbw			
60-0 M									
1200 hrs									

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Port Phillip									
Heads									
DH95/54						x ³ cbw			
14. 5. 54									
60-0 M									
1206 hrs									
DH95/54						x ² bwo			
14. 5. 54									
60-30 M									
1210 hrs									
DH95/54						2x ³ cbw		x	x a
14. 5. 54									
45-15 M									
1216 hrs									
DH95/54						x ³ bc		x	
14. 5. 54									
30-0 M									
1221 hrs									
DH95/54					x	6x ³ awb			
14. 5. 54									
0 M									
1245 hrs									
Lorne									
DH96/54					x c	2x ² bog			
14. 5. 54									
70-35 M									
1630 hrs									
DH96/54			2x a		x c	5x ² bcd			
14. 5. 54									
53-17 M									
1635 hrs									

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER</u>									
Lorne DH96/54 14. 5. 54 35-0 M 1638 hrs			x a			6x ² bca			x k
DH96/54 14. 5. 54 70-0 M 1643 hrs			8x a		x o	x ³ bca		x	2x k x d
DH96/54 14. 5. 54 70-0 M 1645 hrs			2x a		x o	8x ² bca			x a x e
Cape Otway DH97/54 14. 5. 54 70-35 M 2225 hrs					x o	4x ² boy		x	
DH97/54 14. 5. 54 53-17 M 2232 hrs					x o	x ³ b		2x	x a
DH97/54 14. 5. 54 35-0 M 2237 hrs			x a			8x ² bod		3x	x a
DH97/54 14. 5. 54 70-0 M 2242 hrs					x o	x ³ bod		5x	x a

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Cape Otway DH97/54 14.5.54 70-0 M 2250 hrs					x o	x ³ bod		6x	
DH97/54 14.5.54 0 M 2310 hrs			8x a			2x ³ bcw		8x	x m x a
Peterborough DH98/54 16.5.54 60-30 M 2030 hrs					2x o	6x bo		x	
DH98/54 16.5.54 45-15 M 2040 hrs			x a		5x o	x ² bo		x	
DH98/54 16.5.54 30-0 M 2045 hrs					6x o	2x ² bod		2x	x e
DH98/54 16.5.54 60-0 M 2050 hrs					3x ² o	5x ² ob		2x	
DH98/54 16.5.54 60-0 M 2055 hrs					2x ² o	5x ² ob		x	

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER</u>									
Port Fairy DH99/54 17.5.54 40-0 M 0505 hrs					x ² c	x ³ bca		x	
DH99/54 17.5.54 40-0 M 0510 hrs					2x c	2x ² oba		x	
DH99/54 17.5.54 0 M 0538 hrs					4x ²	x ⁴ obD		2x ²	x m
Port Fairy wide DH100/54 17.5.54 650-500 M 1010 hrs					x _{fn}	x ³ Dli		7x	
DH100/54 17.5.54 500-400 M 1045 hrs						x b		x	x a
DH100/54 17.5.54 400-300 M 1110 hrs			x a		x _{eo}	2x ³ abi		4x	3x f x e
DH100/54 17.5.54 300-200 M 1130 hrs			x a			5x mzg		x	

PLANKTON

Station	Fl	Fa	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Port Fairy wide									
DH100/54			x a	x d	x n	5x ² bmi		x	x a
17.5.54			x f						
200-100 M									
1150 hrs									
DH100/54			x a			8x ² bil		x	x ² e
17.5.54									
100-50 M									
1200 hrs									
DH100/54			x j			8x ² bin		3x	x a
17.5.54									
50-0 M									
1205 hrs									
DH100/54				x o	x n	8x ² bmn		2x	x ² e x o
17.5.54									
500-0 M									
1225 hrs									
DH100/54				2x o	x nk	3x ³ bln		x ²	x ² f
17.5.54				x i					
500-0 M									
1240 hrs									
DH100/54	x		3x ² ab	2x d		8x ³ bon		5x ²	x ² e
17.5.54									
0 M									
1335 hrs									

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
King Island wide DH101/54 17.5.54 1000-500 M 2350 hrs					x f	5x bDa		x	
DH101/54 18.5.54 500-400 M 0030 hrs				x c	x fo	2x ² blg		2x	
DH101/54 18.5.54 400-300 M 0100 hrs			2x a		x kfh	2x ² lbi		2x	x a
DH101/54 18.5.54 300-200 M 0120 hrs			x a		x fnk	8x ² lg		2x	x a x c
DH101/54 18.5.54 200-100 M 0140 hrs			x a	x c x g	x kfh	4x ² lig			x f
DH101/54 18.5.54 100-50 M 0150 hrs			x a	2x c	x fh	4x ² lg		x	
DH101/54 18.5.54 50-0 M 0155 hrs			3x ² a		5x fk	5x ² bln		8x	

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER</u>									
King Island wide									
DE101/54 18.5.54 500-0 M 0215 hrs	x			7x g	2x ² ghk	8x ³ lbp		9x	x ² a 3x f
DE101/54 18.5.54 500-0 M 0245 hrs	x			2x g 2x o	2x	4x ² lbg			4x a x f
Stokes Point									
DE102/54 18.5.54 53-17 M 0910 hrs						x ² bg			
DE102/54 18.5.54 35-0 M 0913 hrs						x ² bi		x	
DE102/54 18.5.54 70-0 M 0915 hrs						x ² bgz		2x	
DE102/54 18.5.54 70-0 M 0920 hrs			x a			2x ² big		x	
DE102/54 18.5.54 0 M 0955 hrs		x ³				8x ³ mz			

PLANKTON

Station	FI	Fe	Ap	Ac	E	Co	CI	Ch	
<u>DERWENT HUNTER.</u>									
Albatross Island DH103/54 21.5.54 60-30 M 0930 hrs		5x	x a			2x ³ bn		5x	x a
DH103/54 21.5.54 45-15 M 0935 hrs						x ³ bwa		2x	x a x c
DH103/54 21.5.54 30-0 M 0940 hrs		3x ²	4x a		x k	2x ³ bwn		4x	2x a x c
DH103/54 21.5.54 60-0 M 0945 hrs			x a			3x ³ bng		5x	x a
DH103/54 21.5.54 60-0 M 0950 hrs						4x ³ bpg		5x	2x a x c
DH103/54 21.5.54 0 M 1015 hrs						5x ⁴ bai		x ³	x ² 6x f 5x c
Cape Lodi DH104/54 18.6.54 60-30 M 1740 hrs					x c	3x blc		x	

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DEEWENT HUNTER.</u>									
Cape Lodi DH104/54 18.6.54 45-15 M 1745 hrs						x b			
DH104/54 18.6.54 30-0 M 1750 hrs					x c	5x bcl			
DH104/54 18.6.54 60-0 M 1755 hrs			2x a		2x c	5x ² lij		x	x a
DH104/54 18.6.54 60-0 M 1800 hrs					x _{ck}	5x ² lbj		x	
Maria Island DH105/54 21.6.54 100-50 M 1405 hrs					x	5x bjg		x	x a x f
DH105/54 21.6.54 75-25 M 1410 hrs			x a			2x b		x	
DH105/54 21.6.54 50-0 M 1415 hrs		x	x a			5x boj		x	

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER</u>									
Maria Island DH105/54 21.6.54 100-0 M 1420 hrs					x k	x ² bgn		2x	
DH105/54 21.6.54 100-0 M 1425 hrs					x k	2x ² bgn		2x	x c x a
DH105/54 21.6.54 0 M	x	x ³		x d		6x ³ ibw		2x	x b
Maria Island wide DH106/54 22.6.54 750-500 M 1624 hrs		x			x _{mk}	x ² Dv		x	
DH106/54 22.6.54 500-400 M 1652 hrs								x	
DH106/54 22.6.54 300-200 M 1710 hrs			x j x e			2x ² plw		x	x f
DH106/54 22.6.54 400-300 M 1730 hrs						x w		x	

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Maria Island wide DH106/54 22.6.54 200-100 M 1755 hrs					x k	4x ² 1Dq			
DH106/54 22.6.54 100-50 M 1802 hrs					x k	4x ² 1pb		x	
DH106/54 22.6.54 50-0 M 1825 hrs				x g	x _{fh}	x ³ 1		4x	2x a 2x f
DH106/54 22.6.54 500-0 M 1835 hrs		6x	x j		2x kfm	3x ³ b1E		7x	2x e
DH106/54 22.6.54 500-0 M 1855 hrs	x	8x	x a	x g	3x kfm	4x ³ 1bp		9x	6x f x a
Cape Pillar DH107/54 24.6.54 100-50 M 1210 hrs			x a			x ² bml		x	
DH107/54 24.6.54 75-25 M 1215 hrs			x a		x k	x b		x	

PLANKTON

Station	Fl	Fa	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Cape Pillar DH107/54 24.6.54 50-0 M 1220 hrs			x a			5x wg		2x	
DH107/54 24.6.54 100-0 M 1225 hrs			x aj x e		x k	4x ² Awl		7x	x a x f x o
DH107/54 24.6.54 100-0 M 1230 hrs		x	x a		x k	4x ² bAw		6x	x a x o
DH107/54 26.6.54 0 M 1300 hrs		x ³	2x a			x ³ Ab1			3x o
Tasman Head DH108/54 29.6.54 65-32 M 1115 hrs			x a			2x b		x	
DH108/54 29.6.54 48-16 M 1120 hrs		2x				x wAj		x	
DH108/54 29.6.54 32-0 M 1125 hrs		2x				5x wA		x	

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Tasman Head DH108/54 29.6.54 65-0 M 1130 hrs		2x			x k	2x bwa		x	x a
DH108/54 29.6.54 65-0 M 1135 hrs		5x			x k	5x bwm		2x	x a
Banks Strait DH109/54 21.7.54 60-30 M 1730 hrs						2x b1			
DH109/54 21.7.54 45-15 M 1735 hrs						2x big		x	
DH109/54 21.7.54 30-0 M 1740 hrs	x				x	5x ibo		x	x a
DH109/54 21.7.54 60-0 M 1745 hrs					2x	2x ² bic		x	x a
DH109/54 21.7.54 60-0 M 1750 hrs					2x	5x bil		2x	x a

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Banks Strait DH109/54 21.7.54 0 M 1805 hrs					22x ³	2x ³ 1lg			3x ² _a x ² _m
St. Helena DH110/54 21.7.54 100-50 M 2035 hrs					x	3x ² blg		x	x f
DH110/54 21.7.54 75-25 M 2040 hrs				x b	x	5x ² blg		4x	
DH110/54 21.7.54 50-0 M 2045 hrs					x	2x ² blg		x	
DH110/54 21.7.54 100-0 M 2050 hrs					x	6x ² wbl		4x	x o
DH110/54 21.7.54 100-0 M 2055 hrs					x	x ² lbg		x	x a
DH110/54 21.7.54 0 M 2138 hrs	2x				8x ²	5x ³ wli		3x ²	5x a x m

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Cape Lodi DH111/54 22.7.54 60-30 M 0305 hrs					x	x wb		x	
DH111/54 22.7.54 45-15 M 0310 hrs						x g		x	
DH111/54 22.7.54 30-0 M 0315 hrs						2x bwg		x	
DH111/54 22.7.54 60-0 M 0320 hrs					x			x	x ² f a
DH111/54 22.7.54 60-0 M 0325 hrs					x	2x ² biw		x	x a
Maria Island DH112/54 22.7.54 100-50 M 0925 hrs						5x l			
DH112/54 22.7.54 75-25 M 0930 hrs						x l		x	x a

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u>									
Maria Island DH112/54 22.7.54 50-0 M 0935 hrs				x g		2x ² 1bD			x a
DH112/54 22.7.54 100-0 M 0940 hrs						2x 11j		x	
DH112/54 22.7.54 0 M 1017 hrs						5x ³ 1bw		3x	3x b
Cape Pillar DH113/54 22.7.54 100-50 M 1520 hrs				Sand and debris					
DH113/54 22.7.54 75-25 M 1525 hrs				debris					
DH113/54 22.7.54 50-0 M 1530 hrs						x ² big		5x	x a
DH113/54 22.7.54 100-0 M 1535 hrs						4x ² bgi		4x	

PLANKTON

Station	Fl	Fe	Ap	Ac	E	Co	Cl	Ch	
<u>DERWENT HUNTER.</u> Cape Pillar DH113/54 22.7.54 100-0 M 1600 hrs		x				2x ³ Abi		4x	