AN ECOLOGICAL INTERPRETATION OF MESOLITHIC SHELLFISH
REMAINS ON THE ISLAND OF ORONSAV, INNER HEBRIDES

VOLUME 2 OF 2 VOLUMES

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the University of Sheffield,
January 1984
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<table>
<thead>
<tr>
<th>Level</th>
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<tbody>
<tr>
<td>a-low</td>
<td>bare</td>
</tr>
<tr>
<td>b-low</td>
<td>bare/fucus</td>
</tr>
<tr>
<td>c-mid</td>
<td>bare/fucus</td>
</tr>
<tr>
<td>d-low</td>
<td>bare</td>
</tr>
<tr>
<td>e-high</td>
<td>bare</td>
</tr>
<tr>
<td>f-mid</td>
<td>mussels/barnacles</td>
</tr>
<tr>
<td>g-mid</td>
<td>barnacles</td>
</tr>
<tr>
<td>h-mid</td>
<td>barnacles</td>
</tr>
<tr>
<td>i-high</td>
<td>barnacles/mussels</td>
</tr>
<tr>
<td>j-high</td>
<td>barnacles</td>
</tr>
</tbody>
</table>

Dotted line = less than 10 individuals.
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KEY TO FIGURES 18, 19, 20, and 21.

_________________ SMALL ANIMALS

_________________ MEDIUM ANIMALS

_________________ LARGE ANIMALS

KEY TO FIGURES 27, 28, 29, 35, 36, and 37.

_________________ SMALL ANIMALS

_________________ LARGE ANIMALS
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After Blackmore 1969b.

--- Neuter

--- Female

--- Male

FIGURE 23: VARIATION IN DRY MEAT WEIGHT OF A STANDARD LIMPET (50 mm SHELL LENGTH) FROM LOW WATER DURING 1974 TO 1975 AT EASTHAVEN, TAYSIDE.

After Jones et al 1979.

(In both figures vertical bars represent standard error.)
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○ 1967
● 1968
▲ 1969
× Seasonal mean
FIGURE 31: MEAN DRY MEAT WEIGHT VALUES OF PERIWINKLES FROM ROBIN HOO'D'S BAY (SIZE 20-25 mm SHELL LENGTH).

After Williams, 1970.

VERTICAL BARS REPRESENT STANDARD ERROR. CORRECTED DRY WEIGHT = DRY WEIGHT LESS ASH WEIGHT.
FIGURE 32: MEAN RATIO S/M PER MONTH IN ORONSAW LOW SHORE DOGWHELKS.
FIGURE 33: MEAN RATIO S/M PER MONTH IN ORONSAY HIGH SHORE DOGWHELKS.
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FIGURE 39: MEAN DRY MEAT WEIGHT PER MONTH FOR ORONSAW HIGH SHORE DOGWHELKS.

MONTH

J M MJ J S N

MEAN DRY MEAT WEIGHT g.

0.1 0.2 0.3 0.4

> 4g shell weight

= 4g shell weight
FIGURE 40: MEAN DRY MEAT WEIGHT PER MONTH FOR COLONSA\nLOW SHORE DOGWHELKS.

> 4g shell weight

< 4g shell weight

MONTH
Figure 41: Seasonal variation in dry meat weight of a standard dogwhelk (25.5mm shell length) from Yealm.

After Moore 1938a.
FIGURE 42: SEASONAL VARIATION IN POLYSACCHARIDE, LIPID AND PROTEIN NITROGEN CONTENT OF LIMPETS IN ROBIN HOOD'S BAY. (All refer to standard animals of 36mm shell length). After Blackmore 1969b.
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After Barry and Munday 1959.

Vertical bars represent standard error.
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After Williams 1970.

Males

Females

Vertical bars represent standard error. All results expressed as a % of dry weight less ash weight.
FIGURE 45: SEASONAL VARIATION IN CALORIES PER ASH-FREE GRAM OF PERIWINKLE TISSUE FROM ANGLESEY.


Vertical bars represent standard error.

Vertical bars represent standard error
FIGURE 47: MEASUREMENTS TAKEN ON LIMPETS, PERIWINKLES AND DOGWHELKS.

LIMPETS

PERIWINKLES

DOGWHELKS
<table>
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<tr>
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<th>SHELL LENGTH (mm)</th>
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<tbody>
<tr>
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<tr>
<td>2</td>
<td>22.0 - 24.9</td>
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<td>37.0 - 39.9</td>
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<tr>
<td>8</td>
<td>40.0 - 42.9</td>
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<tr>
<td>9</td>
<td>43.0 - 45.9</td>
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<tr>
<td>10</td>
<td>46.0 - 48.9</td>
</tr>
<tr>
<td>11</td>
<td>above 49.0</td>
</tr>
</tbody>
</table>
FIGURE 49: LIMPET LENGTH DISTRIBUTIONS IN UNIT 1A

{Graph showing length distribution with n = 190}

FIGURE 50: LIMPET LENGTH DISTRIBUTIONS IN UNIT 1B

{Graph showing length distribution with n = 161}
FIGURE 51: LIMIT LENGTH DISTRIBUTIONS IN UNIT 1B-C
\[ n = 164 \]

FIGURE 52: LIMIT LENGTH DISTRIBUTIONS IN UNIT 1C
\[ n = 455 \]
FIGURE 53: LIMPET LENGTH DISTRIBUTIONS IN UNIT 1C-1
n = 64

FIGURE 54: LIMPET LENGTH DISTRIBUTIONS IN UNIT 2
n = 187
FIGURE 55: LIMPET LENGTH DISTRIBUTIONS IN UNIT 3

n = 152

FIGURE 56: LIMPET LENGTH DISTRIBUTIONS IN UNIT 4

n = 118
FIGURE 57: LIMPET LENGTH DISTRIBUTIONS IN UNIT 5
n = 137

FIGURE 58: LIMPET LENGTH DISTRIBUTIONS IN UNIT 6
n = 163
FIGURE 59: LIMPET LENGTH DISTRIBUTIONS IN UNIT 7  
n = 157

FIGURE 60: LIMPET LENGTH DISTRIBUTIONS IN A COMBINATION OF ALL UNITS.  
n = 1948
**KEY TO FIGURES 61 TO 66**

**SHELL LENGTH (mm)**

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<table>
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<td>32.0 - 33.9</td>
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<tr>
<td>9</td>
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</table>
FIGURE 61: PERIWINKLE LENGTH DISTRIBUTIONS IN UNIT 1A
n = 146

FIGURE 62: PERIWINKLE LENGTH DISTRIBUTIONS IN UNIT 1C
n = 149
FIGURE 63: PERIWINKLE LENGTH DISTRIBUTIONS IN UNIT 2
\( n = 300 \)

FIGURE 64: PERIWINKLE LENGTH DISTRIBUTIONS IN UNIT 3
\( n = 83 \)
FIGURE 65: PERIWINKLE LENGTH DISTRIBUTIONS IN UNIT 4
n = 30

FIGURE 66: PERIWINKLE LENGTH DISTRIBUTIONS IN UNIT 7
n = 56
KEY TO FIGURES 67 TO 74

SHELL LENGTH (mm)

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<td>38.0 - 39.9</td>
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FIGURE 67: DOGWHELK LENGTH DISTRIBUTIONS IN A COMBINATION OF ALL UNITS.  n = 1,349
FIGURE 68: DOGWHELK LENGTH DISTRIBUTIONS IN UNIT 1A
n = 123

FIGURE 69: DOGWHELK LENGTH DISTRIBUTIONS IN UNITS 1B & 1B-C
n = 320

LENGTH (see key)
FIGURE 70: DOGWHELK LENGTH DISTRIBUTIONS IN UNIT 1C
n = 431

FIGURE 71: DOGWHELK LENGTH DISTRIBUTIONS IN UNIT 2
n = 181
FIGURE 72: DOGWHELK LENGTH DISTRIBUTIONS IN UNIT 3

n = 174

FIGURE 73: DOGWHELK LENGTH DISTRIBUTIONS IN UNITS 4, 5 and 6

n = 25
FIGURE 74: DOGWHELM LENGTH DISTRIBUTIONS IN UNIT 7
n = 95
### Key to Figures 75 to 82

**Aperture Length (mm)**

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<tbody>
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FIGURE 75: DOGWHELK APERTURE LENGTH DISTRIBUTIONS IN A COMBINATION OF ALL UNITS.  \( n = 1,349 \)
Figure 76: Dogwhelk Aperture Length Distributions in Unit 1a

\[ n = 123 \]

Figure 77: Dogwhelk Aperture Length Distributions in Units 1b & 1b-c

\[ n = 320 \]

LENGTH (see key)
FIGURE 78: DOGWHELK APERTURE LENGTH DISTRIBUTIONS IN UNIT 1C
n = 431

FIGURE 79: DOGWHELK APERTURE LENGTH DISTRIBUTIONS IN UNIT 2
n = 181
FIGURE 80: DOGWHELK APERTURE LENGTH DISTRIBUTIONS IN UNIT 3
n = 134

FIGURE 81: DOGWHELK APERTURE LENGTH DISTRIBUTIONS IN UNITS 4, 5 AND 6
n = 25

LENGTH (see key)
FIGURE 82: DOGWHELK APERTURE LENGTH DISTRIBUTIONS IN UNIT 7

n = 95

LENGTH (see key)
FIGURE 83: LENGTH DISTRIBUTIONS OF OPEN COAST AND ESTUARINE PERIWINKLES AT DIFFERENT TIDAL LEVELS FROM WEST WALES. After Fish 1972.
FIGURE 94: THE PERCENTAGE OF DIFFERENT SHAPED LIMPETS ON THE
UPPER AND LOWER ORONSAY SHORE.

\[ \text{HIGH SHORE} \]
\[ \text{LOW SHORE} \]

\begin{align*}
1 &= \text{Below 1.49} \\
2 &= 1.50 - 1.99 \\
3 &= 2.00 - 2.49 \\
4 &= 2.50 - 2.99 \\
5 &= 3.00 - 3.49 \\
6 &= 3.50 - 3.99 \\
7 &= 4.00 - 4.49 \\
8 &= \text{Above 4.50}
\end{align*}
### KEY TO FIGURES 85 TO 122

#### SHELL LENGTH (mm)

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</table>
FIGURE 85: LIMPET LENGTH DISTRIBUTIONS IN CNOC COIG PIT 10

n = 500

FIGURE 86: LIMPET LENGTH DISTRIBUTIONS IN CNOC COIG PIT 6

n = 423
FIGURE 87: LIMPET LENGTH DISTRIBUTIONS IN BOTH COLUMNS
FROM CNOC COIG.

n = 923

FIGURE 88: LIMPET LENGTH DISTRIBUTIONS IN CNIC I

n = 338

LENGTH (see key)
FIGURE 89: LIMPET LENGTH DISTRIBUTIONS IN CNG II
\[ n = 546 \]

FIGURE 90: LIMPET LENGTH DISTRIBUTIONS IN CNOC SLIGEACH
\[ n = 467 \]
FIGURE 91: LIMPET LENGTH DISTRIBUTIONS IN PRIORY MIDDEN

n = 1399
FIGURE 24: LIMPET LENGTH DISTRIBUTIONS IN CNOC COIG PIT 10, LEVEL 11
n = 125

FIGURE 25: LIMPET LENGTH DISTRIBUTIONS IN CNOC COIG PIT 10, LEVEL 12
n = 125

LENGTH (see key)
FIGURE 96: LIMPET LENGTH DISTRIBUTIONS IN Cnoc Coig Pit 6, LEVEL 17
n = 48

FIGURE 97: LIMPET LENGTH DISTRIBUTIONS IN Cnoc Coig Pit 6, LEVEL 18
n = 125
FIGURE 98: LIMPET LENGTH DISTRIBUTIONS IN CNOC COIG PIT 6, LEVEL 20
n = 125

FIGURE 99: LIMPET LENGTH DISTRIBUTIONS IN CNOC COIG PIT 6, LEVEL 21
n = 125

LENGTH (see key)
FIGURE 100: LIMPET LENGTH DISTRIBUTIONS IN CNOC COIG, PREMIDDEN

n = 109
FIGURE 101: LIMPET LENGTH DISTRIBUTIONS IN CNG I, LEVEL 1
n = 120

FIGURE 102: LIMPET LENGTH DISTRIBUTIONS IN CNG I, LEVEL 2
n = 108
FIGURE 103: LIMPET LENGTH DISTRIBUTIONS IN CNG I, LEVEL 3

n = 110
FIGURE 104 : LIMPET LENGTH DISTRIBUTIONS IN CNG II, LEVEL E
n = 46

FIGURE 105 : LIMPET LENGTH DISTRIBUTIONS IN CNG II, LEVEL F
n = 125
FIGURE 106: LIMPET LENGTH DISTRIBUTIONS IN CNG II, LEVEL G
n = 125

FIGURE 107: LIMPET LENGTH DISTRIBUTIONS IN CNG II, LEVEL H
n = 125

LENGTH (see key)
FIGURE 108: LIMPET LENGTH DISTRIBUTIONS IN CNG II, LEVEL J

n = 125

LENGTH (see key)
FIGURE 111: LIMPET LENGTH DISTRIBUTIONS IN CNOC SLIGEACH, LEVEL 30
n = 125

FIGURE 112: LIMPET LENGTH DISTRIBUTIONS IN CNOC SLIGEACH, LEVEL 31
n = 125
FIGURE 113: LIMPET LENGTH DISTRIBUTIONS IN PRIORY MIDDEN, LEVEL 1
n = 129

FIGURE 114: LIMPET LENGTH DISTRIBUTIONS IN PRIORY MIDDEN, LEVEL 2
n = 112

LENGTH (see key)
FIGURE 115: LIMPET LENGTH DISTRIBUTIONS IN PRIORY MIDDEN, LEVEL 3

n = 119

FIGURE 116: LIMPET LENGTH DISTRIBUTIONS IN PRIORY MIDDEN, LEVEL 4

n = 164

LENGTH (see key)
FIGURE 117: LIMPET LENGTH DISTRIBUTIONS IN PRIORY MIDDEN, LEVEL 5
n = 101

FIGURE 118: LIMPET LENGTH DISTRIBUTIONS IN PRIORY MIDDEN, LEVEL 6
n = 120
FIGURE 119: LIMPET LENGTH DISTRIBUTIONS IN PRIORY Midden, Level 7
\[ n = 159 \]

FIGURE 120: LIMPET LENGTH DISTRIBUTIONS IN PRIORY Midden, Level 8
\[ n = 122 \]

LENGTH (see key)
FIGURE 121: LIMPET LENGTH DISTRIBUTIONS IN PRIORY MIDDEN, LEVEL 2

n = 190

FIGURE 122: LIMPET LENGTH DISTRIBUTIONS IN PRIORY MIDDEN, LEVEL 10

n = 183

LENGTH (see key)
FIGURE 123: THE PERCENTAGE OF SMALLEST AND LARGEST LIMPETS IN EACH MIDDEN. (% expresses the % of all midden samples except the Premidden.)

SMALLEST 10% (ie ≤ 25.6 mm shell length)

n = 424

LARGEST 10% (ie ≥ 37.5 mm shell length)

n = 370
Figure 124: The percentage of smallest and largest limpets in each midden level. (% expresses the % of all midden samples except the Premidden.)

CNOC COIG PIT 10

CNOC COIG PIT 6

% 20

Smallest

% 30

Largest

9 10 11 12

18 20 21

9 10 11 12

18 20 21
FIGURE 125: DEGREES OF LIMPET FRAGMENTATION IN CNOC COIG PIT 10
Expressed as the number of apices as a % of the number of whole limpets.
FIGURE 126: DEGREES OF LIMPET FRAGMENTATION IN CNOC COIG, PIT 6
Expressed as the number of apices as a % of the number of whole limpets.
FIGURE 127: DEGREES OF LIMPET FRAGMENTATION IN CNG I. Expressed as the number of apices as a % of the number of whole limpets.
FIGURE 128: DEGREES OF LIMPET FRAGMENTATION IN CNG II.

--- = Number of apices as a % of the number of whole limpets.

--- = Weight of fragments as a % of the weight of whole limpets.
FIGURE 129: DEGREES OF LIMPET FRAGMENTATION IN CNOC SLIGEACH

___ = Number of apices as a % of the number of whole limpets.

___ = Weight of fragments as a % of the weight of whole limpets.
FIGURE 120: THE DISTRIBUTION OF DIFFERENT SHAPED LIMPETS IN THE MIDDENS COMPARED TO THE MODERN SHORE.

- modern low shore
- modern high shore
- midden

Length/height
1 = \leq 1.49
2 = 1.5 - 1.99
3 = 2.0 - 2.49
4 = 2.5 - 2.99
5 = 3.0 - 3.49
6 = 3.5 - 3.99
7 = 4.0 - 4.49
8 = \geq 4.5
KEY TO FIGURES 131 TO 150

SHELL LENGTH (mm)

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<th>Category</th>
<th>Description</th>
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<td>6</td>
<td>28.0 - 29.9</td>
</tr>
<tr>
<td>7</td>
<td>above 30.0</td>
</tr>
</tbody>
</table>
FIGURE 131: PERIWINKLE LENGTH DISTRIBUTIONS IN CNOC COIG, PIT 10
\[ n = 111 \]

FIGURE 132: PERIWINKLE LENGTH DISTRIBUTIONS IN CNOC COIG, PIT 6
\[ n = 73 \]
Figure 133: Periwinkle length distributions in both columns from CNOC COIG. n = 184

Figure 134: Periwinkle length distributions in CNIG I. n = 87
FIGURE 135: PERIWINKLE LENGTH DISTRIBUTIONS IN CNG II
n = 29

FIGURE 136: PERIWINKLE LENGTH DISTRIBUTIONS IN PRIORY MIDDEN
n = 197
FIGURE 137: PERIWINKLE LENGTH DISTRIBUTIONS IN CNOC COIG PIT 10

LEVEL 2

n = 37

FIGURE 138: PERIWINKLE LENGTH DISTRIBUTIONS IN CNOC COIG PIT 10

LEVEL 10

n = 47

LENGTH (see key)
FIGURE 139: PERIWINKLE LENGTH DISTRIBUTIONS IN CNOC COIG PIT 10
LEVEL 17.  n = 23

LENGTH  (see key)
FIGURE 140: PERIWINKLE LENGTH DISTRIBUTIONS IN CNOC COIG PIT 6
LEVEL 20 
\( n = 46 \)

FIGURE 141: PERIWINKLE LENGTH DISTRIBUTIONS IN CNOC COIG PIT 6
LEVEL 21 
\( n = 11 \)
FIGURE 142: PERIWINKLE LENGTH DISTRIBUTIONS IN CNG I, LEVEL 2
n = 68

FIGURE 143: PERIWINKLE LENGTH DISTRIBUTIONS IN CNG I, LEVEL 3
n = 16
FIGURE 144: PERIWINKLE LENGTH DISTRIBUTIONS IN CNG II, LEVEL G
n = 13

FIGURE 145: PERIWINKLE LENGTH DISTRIBUTIONS IN PRIORY MIDDEN
LEVEL 1. n = 53
FIGURE 146: PERIWINKLE LENGTH DISTRIBUTIONS IN PRIORY MIDDEN
LEVEL 2. \[ n = 54 \]

FIGURE 147: PERIWINKLE LENGTH DISTRIBUTIONS IN PRIORY MIDDEN
LEVEL 3. \[ n = 30 \]

LENGTH (see key)
FIGURE 148: PERIWINKLE LENGTH DISTRIBUTIONS IN PRIORY MIDDEN

LEVEL 5.  

n = 14

FIGURE 149: PERIWINKLE LENGTH DISTRIBUTIONS IN PRIORY MIDDEN

LEVEL 6.  

n = 22

LENGTH (see key)
FIGURE 150: PERIWINKLE LENGTH DISTRIBUTIONS IN PRIORY MIDDEN LEVEL 7.

n = 17

LENGTH (see key)
KEY TO FIGURES 151 TO 175

APERTURE LENGTH (mm)

1 under 14.9
2 15.0 - 16.9
3 17.0 - 18.9
4 19.0 - 20.9
5 21.0 - 22.9
6 above 23.0
Figure 151: Dogwhelk Aperture Length Distributions in Cnoc Coig
Pit 10
n = 35

Figure 152: Dogwhelk Aperture Length Distributions in Cnoc Coig
Pit 6
n = 130
FIGURE 153: DOGWHELK APERTURE LENGTH DISTRIBUTIONS IN CLOG SLICEACH
n = 127

FIGURE 154: DOGWHELK APERTURE LENGTH DISTRIBUTIONS IN CNG I
n = 91
FIGURE 155: DOGWHELK APERTURE LENGTH DISTRIBUTIONS IN CNG II
\[ n = 36 \]

FIGURE 156: DOGWHELK APERTURE LENGTH DISTRIBUTIONS IN PRIORY MIDDEN
\[ n = 68 \]
FIGURE 157: APERTURE LENGTH DISTRIBUTIONS OF ALL WHOLE DOGWHELKS

n = 60

LENGTH (see key)
FIGURE 158: DOGWHELK APERTURE LENGTH DISTRIBUTIONS IN CNOC COIG
PIT 10, LEVEL 2.  n = 23

FIGURE 159: DOGWHELK APERTURE LENGTH DISTRIBUTIONS IN CNOC COIG
PIT 6, LEVEL 17.  n = 14
Figure 160: Dogwhelk Aperture Length Distributions in Cnoc Coig Pit 6
Level 18
n = 23

Figure 161: Dogwhelk Aperture Length Distributions in Cnoc Coig Pit 6
Level 20
n = 70

LENGTH (see key)
FIGURE 162: DOGWHELK APERTURE LENGTH DISTRIBUTIONS IN Cnoc Coig Pit 6

LEVEL 21

n = 23

LENGTH (see key)
FIGURE 163: DOGWHELK APERTURE LENGTH DISTRIBUTIONS IN CNOC SLIGEACH

LEVEL 28

n = 44

FIGURE 164: DOGWHELK APERTURE LENGTH DISTRIBUTIONS IN CNOC SLIGEACH

LEVEL 29

n = 44

LENGTH (see key)
FIGURE 167: DOGWHELK APERTURE LENGTH DISTRIBUTIONS IN CNG I, LEVEL 1
n = 30

FIGURE 168: DOGWHELK APERTURE LENGTH DISTRIBUTIONS IN CNG I, LEVEL 2
n = 29

LENGTH (see key)
FIGURE 169: DOGWHELK APERTURE LENGTH DISTRIBUTIONS IN CNG I, LEVEL 3

n = 32

LENGTH (see key)
FIGURE 172: DOGWHELK APERTURE LENGTH DISTRIBUTIONS IN PRIORY MIDDEN

LEVEL 1

n = 15

FIGURE 173: DOGWHELK APERTURE LENGTH DISTRIBUTIONS IN PRIORY MIDDEN

LEVEL 2

n = 18

LENGTH (see key)
FIGURE 174: DOGWHELK APERTURE LENGTH DISTRIBUTIONS IN PRIORY MIDDEN
LEVEL 6
n = 11

FIGURE 175: DOGWHELK APERTURE LENGTH DISTRIBUTIONS IN PRIORY MIDDEN
LEVEL 7
n = 15

LENGTH (see key)
KEY TO FIGURE 176

SHELL LENGTH (mm)

1  under 21.9
2  22.0 - 23.9
3  24.0 - 25.9
4  26.0 - 27.9
5  28.0 - 29.9
6  30.0 - 31.9
7  above 32.0
FIGURE 176: LENGTH DISTRIBUTIONS OF ALL WHOLE DOGWHELKS

n = 60

LENGTH (see key)
FIGURE 177: MEAN WEIGHT OF DRY MEAT IN FIVE SHELL WEIGHT CATEGORIES OF ORONSAY LOW SHORE LIMPETS PER MONTH, USED FOR THE CALCULATION OF MIDDEN MEAT WEIGHT VALUES.

Shell weight g.

- ≥ 9.51
- 5.51 - 9.50
- 3.51 - 5.50
- 1.76 - 3.50
- ≤ 1.75

MONTH

J  M  MJ  J  S  N
FIGURE 178: MEAN DRY MEAT WEIGHT OF THE SMALL LOW SHORE AND ALL HIGH SHORE PERIWINKLES.
Figure 179: Mean Dry Meat Weights of All Low and High Shore Dogwhelks

Figure 180: Mean Dry Meat Weights of Low Shore Dogwhelks
Figure 181: The relative proportions of meat weight contributed by the three species from CNOC COIG pit 10.
Figure 182: The relative proportions of meat weight contributed by the three species from CNOC COIG Pit 6.
FIGURE 183: THE RELATIVE PROPORTIONS OF MEAT WEIGHT CONTRIBUTED BY THE THREE SPECIES FROM CNOC SLIGEACH

% SPECIES CONTRIBUTION TO TOTAL SHELFISH DRY MEAT WEIGHT

MONTH

J M MJ J S N

L. D. P.
Figure 184: The relative proportions of meat weight contributed by the three species from CNG I.
Figure 185: The relative proportions of meat weight contributed by the three species from CNG II.
Figure 186: The relative proportions of meat weight contributed by the three species from Priory Midden.
THE MIDDENS.

PLATE 1: CNOC COIG

PLATE 2: CNG I
PLATE 7: PERIWINKLES (below) AND DOGWHELKS

PLATE 8: THE BARNACLE LINE
THE ORONSAY COLLECTION AREA FOR AN EXAMINATION OF SEASONAL CHANGES IN MEAT WEIGHT

PLATE 9: FROM UPPER TO LOWER SHORE, WATER AT MLWS
PLATE 14: FROM UPPER TO LOWER SHORE
PLATE 15: THE LOWER SHORE

PLATE 16: THE LOWER SHORE
PLATE 17: FROM UPPER TO LOWER SHORE

PLATE 18: THE UPPER SHORE
SAMPLE UNITS FOR AN EXAMINATION OF SHELLFISH POPULATION STRUCTURES AROUND THE ORONSAY COAST

PLATE 19: UNIT 1A
PLATE 20: UNITS 1B, and 1B-C
PLATE 23: UNITS 1C, and 1C-1
PLATE 24: THE BARNACLE LINE, MARKING THE BOUNDARY OF UNITS 1C AND 1C-1
PLATE 25: UNITS 2 (foreground) and 3