

Troxeter ME

Large Mollusca

The following species were identified (abbreviations as in tables):

Marine

Patella vulgata L., limpet. Intertidal, rocky shores

Turritella communis Risso, Auger or screw shell. At shallow depths on muddy bottoms.

Buccinum undatum L., whelk or buckie. On rocky and sandy shores at low water and below.

Mytilus edulis L. (M. edulis), mussel. Intertidal; on rocks and piers, etc.

Ostrea edulis L. (O. edulis), oyster. At low water to 45 fathoms, on firm, immobile bottoms.

Pecten maximus (L.), great scallop. Offshore from low water to 60 fathoms preferring bottoms of clean firm sand or fine gravel.

Arctica islandica (L.), Iceland Cyprina. Low in the intertidal zone to considerable depth.

Cerastoderma edule (L.), cockle. Sand or mud into which the animal burrows to depths of c 5.0 cm.

Freshwater

Unio sp. } Freshwater mussels. Rivers, lakes, large ponds, moats.
Anodonta sp. }

Terrestrial

Arianta arbustorum (L.) (A. arbustorum). Damp, shaded habitats.

Cepaea hortensis (Müll.) (C. hortensis). Damp, shaded habitats, but sometimes in open ground as well.

Cepaea nemoralis (L.) (C. nemoralis). A variety of habitats, shaded and unshaded.

Helix aspersa Müll. (H. aspersa), the common snail. Various habitats, often closely associated with human occupation.

Lycornia hispidula (L.). Various habitats.

In the tables, Ostrea valves have been listed as lower, lv, and upper, uv; Mytilus valves as right, rv, and left, lv. Ecological notes are taken from Tebble, M. 1966. "British Bivalve Seashells" British Museum, and Graham, A. 1971. "British Prosobranchs", Linnean Society Synopses of the British Fauna (New Series) No. 2.

The main species are Ostrea and Mytilus - the oyster and the mussel. The others occur in very insignificant proportions and may well have been collected incidentally, although Buccinum, Pecten and Cerastoderma are all found as food animals on Roman and later sites.

The Mytilus valves are very fragmentary by comparison with the more robust Ostrea, and are almost certainly under represented. Most are unmeasurable but the few that could be measured were above 5.0 cm in length ~~EX~~ (5.1, 5.6, 5.7, 6.3, 6.4 and 6.6), the size at which mussels today become marketable. The Ostrea valves by contrast were on the small side, although not as small as some samples I have seen. Width measurements on 3 groups of lower valves showed most shells as falling between 6.0 and 8.4 cm although there were some larger specimens. Samples from some sites range upto 11.0 cm.

The shells of Patella and Turritella were probably collected incidentally as curiosities. Patella is generally not found as a food species on Roman and later sites (although occasionally eaten right upto the 19th century in times of poor harvests, etc.); one of the shells was collected dead as it showed signs of borings on the inside, probably made by a marine sponge.

The Arctica islandica shell is of interest. It is not normally eaten (as far as I know), and rarely occurs on archaeological sites. Examples are known from Mountgrace Priory, Yorkshire, and Knap of Howar, Orkney. It has a very tough shell and may have been used for manufacturing small objects such as awls, knives, fish hooks, etc.

Of the freshwater species, both Unio and Anodonta shells seem to be present but it is difficult with the fragmentary material to make positive identifications. Both are edible and frequent on archaeological sites.

Turning to the terrestrial species, it is questionable whether these were in fact eaten. Helix aspersa is edible and has been sold until recently in Bristol markets as "Wallfish". Arianta and Cepaea are smaller and are more likely to have been living adventitiously on the site along with Hygromia hispida. The presence of Arianta and Cepaea hortensis suggests a degree of shaded or dank herbaceous vegetation such as nettles, etc. in the habitat.

Note

The specimens as submitted are not very useful, and it has been very time consuming identifying and listing all the groups. In future it would be more helpful to group the specimens into larger units with some indication of age, context, etc. - e.g. "3rd century Roman rubbish pit", etc. In this way a much more sensible report could be written. I appreciate that this is not always possible until the pottery and coins have been studied.

All the shells should be submitted, or the commoner ones identified on site and lists sent.

John G. Evans

Mainly marine snails from WP, WP B, WP C, WP D and WP E

WP

- ④ a I/II O. edulis lv 1
M. edulis fgt.
- ④ c I M. edulis fgt.
- ④ c F13 I/II O. edulis lv 2
- ④ c I/II O. edulis lv 2, uv 1
- ⑤ a I/II C. nemoralis 1
O. edulis lv 1
- ⑤ b I/II H. aspersa 1
O. edulis fgts.
Arctica islandica fgt.
- ⑤ c I/II Cepaea sp. 1
- ⑤ d I/II Patella vulgata 1
M. edulis lv 2
O. edulis lv 9, uv 4
- ⑥ Old excavation
C. nemoralis 1
M. edulis fgt.
- ⑥ b I/II O. edulis lv 1
- ⑥ d I/II O. edulis lv 1
Unio sp./Anodonta sp. fgt.
- ⑦ F5 I/II C. nemoralis 1
H. aspersa 1
- ⑧ b I/II H. aspersa 1
- ⑧ F3 I/II O. edulis lv 1
- ⑦ I/II O. edulis uv 1
- ①9 a I/II H. aspersa 1
- ②0 d I/II C. nemoralis 1
H. aspersa 1
M. edulis rv 2
O. edulis uv 1

- (19) d I/II O. edulis lv 1
 (22) a I/II H. aspersa 1
 (22) b I/II H. aspersa 3
O. edulis lv 1, uv 1
 (22) d I/II O. edulis lv 1
 (34) a I/II O. edulis lv 1
 (34) b I/II O. edulis uv 1
 (34) c I/II O. edulis lv 1, uv 1
 (36) b I/II H. aspersa 1
O. edulis lv 1, uv 1
 (36) d I/II O. edulis lv 1, uv 1
 (48) a I/II O. edulis lv 2
 (48) b I/II O. edulis lv 1

WP B

- U/s (5M) M. edulis rv 2
 U/s O. edulis uv 1
 80-1b (4) M. edulis fgts.
O. edulis uv 1
 U/s (5d) M. edulis fgts.
 79-1 (4L) M. edulis fgts.
O. edulis uv 3
 79-1 (4M) M. edulis fgt.
 79-1 (4Q) O. edulis uv 3
 79-1 (4P) O. edulis lv 1
 79-1 (18M) O. edulis uv 1
 87 (4K) O. edulis lv 1
 96-1a (4Q) M. edulis lv 2
O. edulis lv 4, uv 2
 96-1a (5C) M. edulis fgts.,
O. edulis lv 3, uv 3

- 96-A (5G) H. aspersa, 1
O. edulis lv 2, uv 2
- 98-1A (4Q) M. edulis fgts.
- 99-1A (4Q) O. edulis lv 1
- 100-1A (4P) O. edulis uv 1
- 100-1A (5P) O. edulis lv 1, uv 2
- 105-1A (5G) O. edulis lv 5, uv 1
Buccinum undatum 1
- 111-1b (18P) O. edulis uv 1
- 116-1a (19K) M. edulis fgt.
O. edulis uv 1
- 163-1b (5D) O. edulis lv 1
- 149-1 (4K) H. aspersa 1
O. edulis lv 1, uv 1
- 150-1A (5D) M. edulis lv 3
O. edulis uv 3
- 152-1A (4M) O. edulis lv 1
- 152-1A (4R) O. edulis uv 3
- 153 (5C) O. edulis uv 1
- 154-1a (5C) O. edulis lv 1
- 165 (5) H. aspersa fgt.
M. edulis lv 1
- 155-1a (4R) M. edulis fgt.
O. edulis lv 1
- 155-1a (4R) M. edulis rv 2
O. edulis fgts.
- 155-1a (5D) M. edulis rv 1, lv 1
- 159-1a (5H) M. edulis rv 1
O. edulis lv 1
- 160-1a (5H) O. edulis fgt.
- 160-1a (5H) O. edulis uv 1

162-1a (4K) M. edulis rv 1, lv 1
 165-1a (4U) M. edulis fgts.
 169 O. edulis uv 2
 170-1a (4P) C. edulis fgt.
 175-1a (18K) C. edulis lv 1
 185 (19a) O. edulis uv 1
 WP C
 76-1 (32G) M. edulis fgts.
 76-1a (32D) M. edulis fgts.
 76-1a (32G) O. edulis lv fgts.
 76-1a (32H) M. edulis fgts.
 76-1a (32Q) M. edulis fgts.
 76-1a (32K) M. edulis lv 1
 O. edulis lv 2, uv 1
 76-1b (32H) M. edulis rv 2, lv 1
 76-1b (32D) O. edulis lv 1
 76-1b (32M) M. edulis fgts.
 76-1c (32C) O. edulis lv 1, uv 1
 76-1c (32D) O. edulis fgts.
 76-1c (32H) M. edulis fgts.
 O. edulis lv 1
 76-1d (32G) M. edulis lv¹, rv 1
 76-1d (32H) M. edulis rv 10, lv 6
 O. edulis lv 2, uv 3
 76-1d (32G) O. edulis uv 1
 76-1d (32Q) M. edulis lv 1
 76-1d (32D) M. edulis rv 1
 O. edulis lv 1, uv 1
 76-1d (32L) O. edulis uv 1
 76-1d (32M) M. edulis rv 1
 O. edulis lv 1

- 78-1a (34C) M. edulis lv 1
- 78-1b (33M) O. edulis uv 1
- 78-1d (33M) O. edulis lv 1
- 78-1e (33M) O. edulis lv 2
- 79-1 (32F) M. edulis fgts.
- 79-1 (32Q) M. edulis lv 2
- 79-1 (32R) M. edulis lv 1
- O. edulis fgt.
- 80-1 (33F) M. edulis fgt.
- O. edulis fgt.
- 86 (32C) M. edulis fgts.
- 89-1 (34C) O. edulis fgt
- 110 (34M) C. nemoralis 1
- 111-1 (33H) O. edulis lv 1
- 111-1 (33H) E O. edulis lv 2
- 111-1 (33M) W M. edulis rv 1, lv 1
- 111-1 (33M) O. edulis uv 2
- 113-1 (34Q) M. edulis lv 2
- O. edulis uv 1
- 114-1 (34Q) O. edulis fgt.
- 115-1 (35D) H. aspersa fgt.
- 131-1 (32Q) M. edulis rv 9, lv 8
- 131-1 (32D) M. edulis lv 2
- O. edulis lv 1
- 131-1 (32H) M. edulis rv 2, lv 1
- O. edulis uv 1
- 132-1 (33C) Fuccinum undatum fgt
- M. edulis fgt
- O. edulis uv 1
- 132-1 (32G) M. edulis lv 2
- 132-1 (33G) Turritella communis 1

(32) F3 [3

O. edulis fgts.

(32) F3 [3

H. aspersa fgtsM. edulis rv 1

(34) F15 [4

O. edulis lv 1

81-1a (32K)

M. edulis fgtsO. edulis lv 1

81-1a

M. edulis rv 1

81-1a (33B)

O. edulis uv 1

81-1a (33F)

O. edulis uv 1WP D

(2) (41E)

O. edulis lv 1

80 U/S (21)

O. edulis lv 1

80 (21)

M. edulis rv 2, lv 5O. edulis lv 4, uv 4Cerastoderma edule fgtsAnodonta/Unio fgt

80 (22)

M. edulis rv 2, lv 1O. edulis uv 6Cerastoderma edule 1

80 (36)

O. edulis uv 1

89 (6)

H. aspersa 1O. edulis lv 2, uv 3 (includes an intact pair)

90 (22)

M. edulis fgtsO. edulis fgts

90 (22Q)

O. edulis uv 1

91 (22)

M. edulis lv 1Anodonta/Unio fgt

98 (8)

O. edulis lv 2

100 (22J)

M. edulis fgtsO. edulis lv 1, uv 1

100 (22N)

M. edulis lv 1

100	36R	<u>Ostrea edulis</u> lv 1, uv 1
100	22J	<u>O. edulis</u> uv 1
100	22K	<u>M. edulis</u> rv 1
		<u>O. edulis</u> lv 1
100	22N	<u>O. edulis</u> lv 1
100	36L	<u>O. edulis</u> uv 1
100	36M	<u>O. edulis</u> lv 1
100	37C	<u>O. edulis</u> lv 1, uv 1
100A	35	<u>M. edulis</u> lv 1
		<u>O. edulis</u> fgt
100-1	35	<u>O. edulis</u> fgts
100-1	36	<u>M. edulis</u> fgts
		<u>O. edulis</u> lv 1
101	7	<u>M. edulis</u> lv 1
100-1	35	<u>O. edulis</u> lv 1
100-1	35	<u>O. edulis</u> lv 1
100B-2	22	<u>M. edulis</u> lv 1
100-1	36	No specimens
103-1	8	<u>O. edulis</u> lv 1, uv 2
104	9	<u>M. edulis</u> fgts
		<u>O. edulis</u> lv 1
109	7	<u>H. aspersa</u> fgt
114	22	<u>O. edulis</u> lv 1, uv 1
115	22	<u>H. aspersa</u> fgt
		<u>M. edulis</u> rv 1, lv 2
116	34	<u>O. edulis</u> lv 1
116	36	<u>O. edulis</u> lv 1
120	20	<u>M. edulis</u> fgts
121	21	<u>M. edulis</u> lv 2
		<u>O. edulis</u> lv 4, uv 2
121	21	<u>O. edulis</u> uv 1

- 121 (21) M. edulis rv 1
O. edulis lv 3
Cerastoderma edule fgt (?? Acanthocardia tuberculata)
- 124 (8) Oxychilus sp. 1
- 126 (9) O. edulis uv 1
- 129 (9) Patella vulgata 1 (collected dead, as bored on inside
by ? sponge)
- 132-2 (7) O. edulis lv 1
- 133 (21) O. edulis uv 1
- 144 (35) O. edulis lv 1
M. edulis fgts
- 146 (8) O. edulis lv 2
- 148-1 (34) O. edulis uv 1
- 148-2 (34) O. edulis lv 1
- 149 (34) H. aspersa 1
M. edulis rv 1
O. edulis uv 1
- WP E
- 74-1 (49K) O. edulis lv 1
- 74 (49C) O. edulis lv 3, uv 2
- 74-1A (36F) O. edulis fgts
- 74-1B (35B) O. edulis fgt
- 78-1B (33G) O. edulis uv 1
- 80 (35) M. edulis fgt
O. edulis lv 1
- 80 (49) O. edulis lv 2
- 81 U/S (34) H. aspersa 1
- 81-1 (49) O. edulis uv 1 (with small square hole), lv 1
- 85-1 (49F) O. edulis uv 1
- 85-1A (48F) O. edulis uv 1
- 85-1A (49C) O. edulis lv 1, uv 2
- 85-1A (49K) O. edulis lv 1

85-1B	(48Q)	<u>O. edulis</u> uv 1
85-1B	(49L)	<u>O. edulis</u> uv 3
85-1B	(43P)	<u>M. edulis</u> fgt
		<u>O. edulis</u> lv 1, uv 3
85-1B	(43Q)	<u>O. edulis</u> lv 1, uv 1
85-1B	(49G)	<u>O. edulis</u> lv 1
85-1C	(48Q)	<u>M. edulis</u> fgts
		<u>O. edulis</u> lv 1, uv 1
84-1C	(48P)	<u>O. edulis</u> lv 1, uv 1
85-1C	(49C)	<u>O. edulis</u> uv 1
85-1C	(48Q)	<u>M. edulis</u> lv 1
		<u>O. edulis</u> lv 2, uv 1
85-1C	(48P)	<u>M. edulis</u> fgts
85-1C	(49B)	<u>O. edulis</u> fgts
90	(48)	<u>O. edulis</u> fgts
94	(54)	<u>O. edulis</u> fgts
99	(48)	<u>M. edulis</u> fgt
		<u>O. edulis</u> lv 1
100-1	(50G)	<u>O. edulis</u> lv 1
108	(49)	<u>M. edulis</u> fgts
WP C		
111-1	(33M) W	<u>O. edulis</u> uv 1

Wroxeter, WP

Lab. No. 743372

Mainly land snails from WP B, C, D and E. Submitted 6.9.74

WP B

100-1A (5B) C. nemoralis 1
116-1A (19K) C. hortensis 1
120-1A (19F) H. aspersa 1
120-1A (19J) Cepaea sp. 1
150-1A (5D) Cepaea sp. fgt.
H. aspersa fgts.
152-1A (4B) C. nemoralis 1
155-1A (4R) C. nemoralis 1
189-1A (19J) C. hortensis 1
H. aspersa 3

WP C

76-1A (32D) C. nemoralis 1
H. aspersa 1
76-1A (32K) Cepaea sp. 1
76-1A (32H) No specimens
76-1A (32L) C. hortensis 1
C. nemoralis 2
76-1A (32M) C. hortensis 1
H. aspersa 2
76-1A (32R) H. aspersa 2
76-1B (32H) H. aspersa 1
76-1B (32L) C. hortensis 1
76-1B (32M) H. aspersa fgts.
76-1B (32Q) C. hortensis 1
76-1C (32D) Cepaea sp. 1
H. aspersa 1
76-1C (32G) C. hortensis 1
C. nemoralis 1
Cepaea sp. 4

743372

Cont?

(2)

- 76-1C (32H) Cepaea sp. 2
H. aspersa fgt.
- 76-1C (32L) A. arbustorum 1
- 76-1C (32M) H. aspersa 2
- 76-1d (32G) Cepaea sp. 1
- 76-1d (32H) C. hortensis 2
C. nemoralis 2
H. aspersa 1
- 78-1a (33C) H. aspersa 1
- 78-1a (33D) C. nemoralis 1
H. aspersa 1
- 78-1a (33H) C. nemoralis 1
Cepaea sp. 1
H. aspersa 2
- 78-1a (33M) C. hortensis 1
H. aspersa 1
- 78-1a (33R) C. hortensis 1
- 78-1a (34H) C. nemoralis 1
- 78-1b (33C) H. aspersa 1
- 78-1b (33H) C. hortensis 1
H. aspersa 1
- 78-1b (33D) Cepaea sp. 1
- 78-1c (33G) H. aspersa fgt.
- 78-1e (33G) Cepaea sp. 1
- 78-1e (33L) H. aspersa 1
- 78-1e (33M) H. aspersa 1
- 79-1 (32G) Cepaea sp. 1
- 81-1a (33B) C. hortensis 2
- 81-1a (33F) H. aspersa 1
- 81-19 (33K) C. hortensis 1
C. nemoralis 1

- 111-1 (33H) H. aspersa 3
- 111-1 (33H) A. arbustorum 1
(E. Section) C. hortensis 1
H. aspersa 3
- 111-1 (33M) C. hortensis 1
H. aspersa fgts.
- 111-1 (33M) Cepaea sp. 1
H. aspersa 4
- 111-1 (33H) No specimens
- 113-1 (34P) A. arbustorum 1
C. hortensis 2
C. nemoralis 4
H. aspersa 3
- 131-1 (32C) C. hortensis 1
C. nemoralis 1
- 132-1 (33G) H. aspersa 1
- 132-1 (33L) H. aspersa 1
- WP D
- 80 (21) C. nemoralis 2
H. aspersa 2
- 80 (22) H. aspersa 2
- 80 (36) H. aspersa 1
- 98 (8) C. nemoralis 1
H. aspersa 4
- 98 (9) C. hortensis 2
C. nemoralis 1
H. aspersa 1
- 100 (22J) C. hortensis 1
C. nemoralis 1
H. aspersa fgt.
- 100 (22N) H. aspersa 2

- 100-1 (36) Cepaea sp. 1
- 100A-1 (35) H. aspersa fgt.
- 100 (370) H. aspersa 1
- 103-1 (8) H. aspersa 50
- 103-2 (8) H. aspersa 15
- 103-1a (8) H. aspersa 47
- 104 (9) C. hortensis 1
- C. nemoralis 1
- H. aspersa 1
- 104-1 (9) H. aspersa 10
- 111 (21) C. hortensis 1
- C. nemoralis 4
- 111 (22) Cepaea sp. fgt.
- 111 (22K) Cepaea sp. 2
- H. aspersa 1
- 111-1 (33M) H. aspersa 3
- 111-1A (33M) Cepaea sp. 1
- H. aspersa 6
- 115 (22) C. hortensis 1
- H. aspersa 1
- 116 (34) C. nemoralis 2
- H. aspersa 6
- 116 (36) C. hortensis 1
- C. nemoralis 3
- Cepaea sp. 3
- H. aspersa 3
- 121 (21) Cepaea sp. fgts.
- 121 (21) C. hortensis 1
- H. aspersa 1
- 126 (9) H. aspersa 9
- 127 (9) C. hortensis 1
- H. aspersa 3

- 129 (9) H. aspersa 3
C. nemoralis 1
- 132-2 (7) H. aspersa fgts.
- 133 (21) H. aspersa 1
- 138 (22) H. aspersa 1
- 144 (35) C. nemoralis 1
- 146 (8) H. aspersa 6
- 149 (34) Cepaea sp. 2
H. aspersa 1
- 146 (8) H. aspersa 8
- (8) L 2 H. aspersa 9
- (11) D L 2 C. nemoralis 1
H. aspersa fgts.
- (11) L L 2 H. aspersa 2
- (11) M L 2 H. aspersa 1
Q. edulis fgt.
- (12) G L 2 H. aspersa 2
- (12) H L 2 H. aspersa 1
- (12) M L 2 H. aspersa fgt.
- (23P) L 2 H. aspersa 1
- (25B) L 2 H. aspersa 1
- (25C) L 2 H. aspersa 1
- (25E) L 2 C. hortensis
- (25F) L 2 H. aspersa 1
- (25J) L 2 C. nemoralis 1
H. aspersa 1
- (39G) L 2 C. nemoralis 1
H. aspersa 1
Q. edulis fgts.
- (40H) L 2 Cepaea sp. fgt.
- WF E
- 74-2 (34) Cepaea fgt.

Wroxeter WP

Lab. No. 739907

Large shells, marine and terrestrial

From: WP 73C, WP 73B, WP 73, WP 69, WP 71, WP 72, WP 73 D and E.

WP 73C

- ③③ G IV H. aspersa 1
- O. edulis uv 2
- ③② K I H. aspersa 1
- ③③ H IV H. aspersa 1
- ③③ K IV H. aspersa 1
- ③③ Q IV H. aspersa 1
- ④⑦ L I O. edulis lv 1, uv 1
- ④⑦ P I O. edulis fgt
- ④⑧ K I/II Hygromia hispida 1
- ④⑧ Q I/II O. edulis lv 1
- ④⑧ R I/II O. edulis lv 1
- ③② L III M. edulis fgt
- ③② Q III O. edulis fgt
- ③③ F12 IV C. hortensis 2
- ③③ C IV C. nemoralis 1
- H. aspersa 1
- ③③ D IV H. aspersa 1

WP 73B

- ⑤ F ⑤ H. aspersa 1
- M. edulis rv 2
- O. edulis lv 1
- ⑤ ⑤ H. aspersa 1
- O. edulis lv 1
- ④⑧ M ⑤ C. nemoralis 1
- H. aspersa 1
- O. edulis uv 1
- ④⑧ R V O. edulis fgts

(19) H	5	<u>O. edulis</u> lv 1
(4) Q	5	<u>O. edulis</u> uv 3
(4R)	5	<u>M. edulis</u> fgt
		<u>O. edulis</u> lv 1, uv 1
(5) D	5	<u>M. edulis</u> fgts
		<u>O. edulis</u> lv 4, uv 1
(5) E	5	<u>O. edulis</u> uv 2
		<u>H. aspersa</u> 1
(5) F	5	<u>O. edulis</u> lv 3
(5) J	5	<u>H. aspersa</u> 1
		<u>M. edulis</u> rv 1
(5) K	5	<u>O. edulis</u> lv 2
(19) J	4	<u>C. nemoralis</u> 2
		<u>M. edulis</u> lv 1
		<u>O. edulis</u> uv 1
(19) E	IV	<u>C. nemoralis</u> 1
		<u>H. aspersa</u> fgt
		<u>M. edulis</u> rv 1
		<u>O. edulis</u> fgts
(18) P	IV	<u>O. edulis</u> lv 2
(19) A	4	<u>O. edulis</u> uv 2
(19) J	4	<u>O. edulis</u> lv 1
(19) K	IV	<u>H. aspersa</u> 1
(4) Q	5	<u>M. edulis</u> fgts
		<u>O. edulis</u> uv 1
(4) J	5	<u>O. edulis</u> uv 1
(4) L	5	<u>C. nemoralis</u> 2
		<u>M. edulis</u> rv 2
		<u>O. edulis</u> lv 1
(4) P	5	<u>O. edulis</u> lv 2
(4R)	V	<u>M. edulis</u> fgts.
		<u>O. edulis</u> fgts

- ④ H ⑤ M. edulis rv 1, lv 2
O. edulis uv 2
- ④ M ⑤ H. aspersa 1
M. edulis fgts
O. edulis lv 1
- WP 73
- ⑬ C LI/II H. aspersa 2
O. edulis lv 1
- ⑬ D-M I/II C. hortensis 1
C. nemoralis 3
Cepaea sp. 1
H. aspersa 6
O. edulis lv 1, uv 2
- ⑬ Q I/II C. hortensis 3
C. nemoralis 1
H. aspersa 1
- ⑤ R I/II O. edulis lv 1
- ⑬ G-L I/II C. hortensis 2
C. nemoralis 2
Cepaea sp. 1
M. edulis lv 1
- ⑬ J I/II Cepaea fgt
H. aspersa 1
M. edulis lv 1
O. edulis uv 1
- ⑬ N I/II H. aspersa 1
M. edulis lv 1
O. edulis lv 1
- ⑬ C I/II C. nemoralis 1
H. aspersa 1
O. edulis uv 1

- ⑬ P I/II O. edulis lv fgt
- ⑬ R I/II C. hortensis 2
H. aspersa 6
- ⑭ D I/II H. aspersa 1
O. edulis lv 1, uv 1
Anodonta/Unio fgt
- ⑮ H I/II O. edulis fgt
- ⑯ F I/II A. arbustorum 1
- ⑰ A I/II O. edulis lv 1, uv 1
- ⑰ B I/II H. aspersa 2
O. edulis lv 1, uv 1
- ⑰ E I/II C. hortensis 2
C. nemoralis 4
H. aspersa 6
Buccinum undatum 1
O. edulis lv 1
- ⑰ Q I/II C. hortensis 1
C. nemoralis 6
Cepaea sp. 3
H. aspersa 14
M. edulis rv 1, lv 1
O. edulis uv 4
- ⑲ C I/II O. edulis uv 1
- ⑲ G I/II H. aspersa 1
O. edulis lv 1
- ⑲ J I/II O. edulis fgt
- ⑲ K I/II Cepaea sp. 1
H. aspersa 1
- ⑲ L I C. nemoralis 1
H. aspersa 2
M. edulis rv 1
O. edulis uv 2

- (27) R I/II Cepaea hortensis 1
H. aspersa fgts
M. edulis lv 1
O. edulis lv 1, uv 1
- (27) M I/II H. aspersa 1
O. edulis lv 1

WP 73 B

- (5) G II O. edulis lv 1, uv 2
- (5) K II M. edulis lv 1
- (18) F42 II O. edulis lv 1
- (19) F II H. aspersa 1
- (19) J II Cepaea sp. 1
- (18) F13 II O. edulis uv 1
- (4) H II O. edulis uv 2
- (4) M II M. edulis fgt
- (4) Q II O. edulis uv 1
- (5) B II O. edulis lv 1
- (5) C II O. edulis lv 2
- (5) E II O. edulis uv 1
- (5) F II O. edulis lv 1, uv 1

WP 73

- (42) C I/II O. edulis lv 1, uv 1
- (40) G I/II O. edulis lv 2
- (41) F3 Cepaea sp. 1
O. edulis lv 2, uv 2
- (41) L I/II O. edulis lv 1
- (41) G I/II O. edulis lv 1, uv 2
- (41) F5 I/II A. arbustorum 1
M. edulis rv 1, lv 1
O. edulis uv 2

- (41) L I/II C. nemoralis 1
O. edulis uv 2
- (41) M I/II C. hortensis 1
H. aspersa fgt
O. edulis fgts
- (41) N I/II O. edulis uv 1
- (41) P I/II O. edulis uv 3
- (41) H I/II H. aspersa 1
O. edulis lv 1
- (41) K I/II M. edulis lv 1
O. edulis lv 2
- (41) Q I/II M. edulis fgts
O. edulis uv 2
- (41) R I/II O. edulis lv 1, uv 3
- (42) B I/II O. edulis lv 2, uv 1
- (42) D I/II O. edulis uv 1
- WP 73 C
- (33) F4 L4 C. hortensis 2
- WP 69
- (3) I O. edulis uv 1
- (4) I O. edulis lv 4, uv 2
- (5) I O. edulis lv 2, uv 1
- (7) F I H. aspersa 2
M. edulis rv 1
O. edulis lv 1, uv 1
- (18) I O. edulis lv 1
- (21) F1 I C. nemoralis 1
H. aspersa 7
O. edulis lv 1, uv 4
- (32) I M. edulis rv 1, lv 1
O. edulis uv 3
- (36) F5 I O. edulis lv 1

WP 71

23	P	I/II	<u>O. edulis</u> lv 1, rv 1
37	F3	I/II	<u>H. aspersa</u> 1
<u>WP</u>			
23	B	I/II	<u>H. aspersa</u> 2
37	F	I	<u>H. aspersa</u> fgt
23	C	I/II	<u>H. aspersa</u> 2
23	J	I/II	<u>O. edulis</u> uv 1
23	L	I/II	<u>H. aspersa</u> 1
<u>Gerastoderma edule</u> 1			
23	M	I/II	<u>M. edulis</u> lv 1
23	N	I/II	<u>C. hortensis</u> 1
<u>O. edulis</u> lv 2, uv 3			
9	A	I/II	<u>H. aspersa</u> 2
9	B	I/II	<u>C. nemoralis</u> 1
<u>H. aspersa</u> 2			
9	C	I/II	<u>H. aspersa</u> 1
9	D	I/II	No specimen
9	G	I/II	<u>H. aspersa</u> 4
<u>O. edulis</u> lv 1			
9	K	I/II	<u>H. aspersa</u> 2
9	L	I/II	<u>O. edulis</u> uv 2
37	L	I/II	<u>O. edulis</u> fgts
37	G	I/II	<u>O. edulis</u> uv 3
37	P	I/II	<u>O. edulis</u> lv 1
37	R	I/II	<u>O. edulis</u> uv 1
51	F		<u>O. edulis</u> lv 1
51	H	I/II	<u>H. aspersa</u> 2
51	L	I/II	<u>O. edulis</u> fgt.
52	Q	I/II	<u>O. edulis</u> lv 1
52	M	I/II	<u>O. edulis</u> fgt.
52	F	I/II	<u>O. edulis</u> lv 1

- 52 C I/II Mytilus edulis fgt.
 39 H I/II A. arbustorum 1
 39 A I/II ? Anodonta/Unio fgt
 38 J I/II Mytilus edulis fgt
 38 F I/II O. edulis uv 1
 38 D I/II A. arbustorum 1
 C. hortensis 1
 38 C I/II O. edulis fgt
 25 F I/II H. aspersa 1
 25 E I/II H. aspersa 1
 25 D I/II H. aspersa 1
 24 P I/II H. aspersa 2
 O. edulis fgt
 24 N I/II H. aspersa 1
 24 L I/II O. edulis fgt
 24 K O. edulis uv 1
 24 J H. aspersa 1
 M. edulis lv 1
 24 G I/II H. aspersa 3
 24 D I/II A. arbustorum 1
 24 C I/II C. hortensis 1
 C. nemoralis 1
 24 B I/II H. aspersa 1
 M. edulis rv 1, lv 2
 O. edulis lv 2
 24 A I/II C. nemoralis 3
 H. aspersa 1
 M. edulis rv 2
 O. edulis lv 2, uv 3
 Cerastoderma edule 1
 10 C I/II O. edulis uv 1

- ⑧ R I/II O. edulis lv 1
 ⑧ R I/II O. edulis uv 1
 ⑧ M I/II H. aspersa 3

WP 72

- ③ M II/III C. nemoralis 1
H. aspersa 1
O. edulis lv 1
 ④ D II/III O. edulis lv 2, uv 3
 ④ F17 M. edulis fgts.
 ④ G II/III O. edulis uv 2
 ④ K II/III O. edulis uv 1
 ④ L II/III O. edulis fgts.
 ④ P II/III M. edulis rv 1
O. edulis lv 2, uv 4
 ④ R II/III O. edulis lv 1
 ④ R II/III O. edulis lv 2
 ⑤ A II/III O. edulis lv 1
 ⑤ C II/III O. edulis lv 1

WP

- ⑤ D II/III H. aspersa 1
O. edulis lv 4, uv 5

WP 72

- ⑤a II/III O. edulis lv 3, uv 1
 ⑤ F II/III H. aspersa 1
 ⑤ G II/III O. edulis lv 1
 ⑤ J II/III C. nemoralis 1
 ⑤ K II/III C. nemoralis 1
H. aspersa 1
O. edulis lv 1, uv 1
 ①7 F II/III O. edulis lv 1
 ①7 P II/III C. edulis lv 1

- (5) M II/III M. edulis fgt
O. edulis uv 1
- (17) F 17 II/III O. edulis lv 1
- (17) F II/III O. edulis lv 4, uv 10
- (5) B II/III O. edulis lv 1, uv 2
- (18) K II/III O. edulis fgts
- (18) P II/III O. edulis lv 1
- (18) Q II/III O. edulis fgt
- (18) G II/III O. edulis fgts
- (19) B II/III O. edulis uv 1
- (19) E II/III A. arbutorum 1
C. nemoralis 1
Buccinum undatum 1
O. edulis lv 1
- (19) J II/III H. aspersa fgts
- (19) M II/III O. edulis lv 1
- WP 71
- (14) F206 II/III* O. edulis lv 4, uv 3
- (14) F206 L3 M. edulis rv 1
O. edulis lv 2, uv 6
- (14) F206 IIIA M. edulis rv 1
- (14) J II/III M. edulis lv 2
O. edulis lv 3, uv 2
- (14) F206 I M. edulis fgt
O. edulis lv 2, uv 2
- (14) F206 I O. edulis lv 1, uv 1
- (1) F215 II/III O. edulis lv 1
- (1) M II/III O. edulis lv 2
- (1) R II/III O. edulis lv 1
- (2) C II/III O. edulis lv 1
- (2) CDGH II/III M. edulis fgts

- (2) E II/III O. edulis lv 1, uv 1
- (2) F238 II/III O. edulis lv 2
- (16) F202 II/III O. edulis lv 1
- (8) D I/II H. aspersa 6
O. edulis uv 1
- (22) C I/II C. nemoralis 1
H. aspersa 2
- (36) D I/II H. aspersa 2
M. edulis lv 1
- (36) DD Arctica islandica fgts
- (37) H I/II C. nemoralis 1
O. edulis lv 1
- WP 72
- (9) Q I/II H. aspersa 1
O. edulis lv 1
- (9) R I/II C. hortensis 1
C. nemoralis 1
H. aspersa 1
O. edulis lv 1
Pecten maximus lv fgt
- (10) C I/II C. hortensis 1
C. nemoralis 1
H. aspersa 2
- (10) D I/II H. aspersa 1
M. edulis fgt
O. edulis lv 2
Arctica islandica 1
- (10) G I/II A. arbustorum 1
C. nemoralis 1
H. aspersa 1
- (25) Q I/II C. nemoralis 1
H. aspersa fgts.

(25) Q	I/II	<u>H. aspersa</u> 3
(25) R	I/II	<u>C. hortensis</u> 2 <u>A. arbustorum</u> 2 <u>Cepaea</u> sp. 1 <u>H. aspersa</u> 1
(39) E	I/II	<u>O. edulis</u> lv 1
(39) H	I/II	<u>O. edulis</u> lv 1
(39) J	I/II	<u>O. edulis</u> uv 1
(39) L	I/II	<u>O. edulis</u> lv 1
(39) M	I/II	<u>O. edulis</u> lv 1, uv 1
(53) M	I/II	<u>H. aspersa</u> 1
(59) P	I/II	<u>O. edulis</u> lv 1
(53)	I/II	<u>O. edulis</u> uv 1
(10) L	I/II	<u>H. aspersa</u> 3
(10) M	I/II	<u>A. arbustorum</u> 1 <u>H. aspersa</u> 2
(25) P	I/II	<u>C. hortensis</u> 1 <u>C. nemoralis</u> 2 <u>Cepaea</u> sp. 2 <u>H. aspersa</u> 4
(25) Y	I/II	<u>H. aspersa</u> 1 <u>O. edulis</u> fgts
(25) L	I/II	<u>C. hortensis</u> 2 <u>C. nemoralis</u> 2 <u>Cepaea</u> sp. 1 <u>H. aspersa</u> 1 <u>O. edulis</u> uv 1
(25) M	I/II	<u>O. edulis</u> uv 1
(25) N	I/II	<u>H. aspersa</u> 1
(2) D	II/III	<u>O. edulis</u> uv 1
(1) M	II/III	<u>O. edulis</u> fgts

① R	II/III	<u>O. edulis</u> uv 2
②a A	II/III	<u>O. edulis</u> fgt
②d B	II/III	<u>M. edulis</u> fgt
② C	II/III	<u>M. edulis</u> fgt
		<u>O. edulis</u> lv 3, uv 3
⑩a F202	II/III	<u>O. edulis</u> lv 2
⑩A F209	II/III	<u>O. edulis</u> uv 1
⑩d J	II/III	<u>M. edulis</u> fgts
		<u>O. edulis</u> fgts
⑩d J	II/III	<u>O. edulis</u> lv 1, uv 1
⑩d N	II/III	<u>O. edulis</u> uv 1
⑩d N	II/III	<u>O. edulis</u> uv 2
⑩d P	II/III	<u>O. edulis</u> lv 2, uv 1
⑩d L	II/III	<u>O. edulis</u> lv 1
⑩O H	I/II	<u>C. hortensis</u> 2
		<u>C. nemoralis</u> 1
		<u>H. aspersa</u> 3
		<u>O. edulis</u> fgt
②6 A	I/II	<u>H. aspersa</u> 2
②6 B	I/II	<u>H. aspersa</u> 3
②6 C	I/II	<u>H. aspersa</u> 1
		<u>O. edulis</u> uv 1
②6 D	I/II	<u>O. edulis</u> fgt
②6 E	I/II	<u>O. edulis</u> uv 1
②6 F	I/II	<u>H. aspersa</u> 5
		<u>O. edulis</u> uv 1
②6 G	I/II	<u>O. edulis</u> lv 1
②6 H	I/II	<u>H. aspersa</u> 1
		<u>O. edulis</u> uv 1
②6 J	I/II	<u>C. nemoralis</u> 1

- (26) K I/II C. nemoralis 1
O. edulis lv 1
- (26) L I/II C. nemoralis 3
- (27) D I/II O. edulis lv 1
- (26) Q I/II O. edulis uv 1
- (26) R I/II C. nemoralis 3
H. aspersa 1
- (27) A I/II C. nemoralis 1
H. aspersa 1
O. edulis uv 1
- (27) B I/II O. edulis lv 1
- (41) B I/II O. edulis uv 1
- (41) D I/II Cepaea sp. fgts
- (11) D I/II H. aspersa 1
- (11) G I/II H. aspersa 2
- (11) H I/II C. hortensis 1
C. nemoralis 2
H. aspersa 7
- (12) G I/II H. aspersa 1
- (11) Q I/II C. nemoralis 2
Cepaea sp. 1
H. aspersa 7
- (12) H I/II O. edulis lv 1
- (40) B I/II O. edulis fgt
- (12) H I/II H. aspersa 1
O. edulis uv 1
- (12) C I/II H. aspersa 2
- (12) D I/II C. hortensis 2
H. aspersa 4
Buccinum undatum 1
O. edulis lv 2, uv 1

- (11) L I/II C. nemoralis 1
H. aspersa 1
- (11) R I/II C. hortensis 1
H. aspersa 9
- (12) M I/II C. hortensis 1
C. nemoralis 1
H. aspersa 1
O. edulis lv 3
- (12) R I/II O. edulis uv 1
- (25) G I/II C. hortensis 1
C. nemoralis 1
Gepaea sp. 1
- (40) D I/II O. edulis uv 1
- (40) H I/II H. aspersa 6
Anodonta sp. 1
- (40) K I/II H. aspersa 1
- (40) M I/II O. edulis fgt.
- (54) Q I/II M. edulis lv 1
- WP 73 B
- (18) N 16 O. edulis fgt
- (19) B 16 O. edulis lv 3, uv 1
- (19) E 16 H. aspersa fgt
O. edulis lv 2
- (19) K 16 H. aspersa 1
O. edulis lv i, uv 1
- WP 73 D
- (20) M 12 H. aspersa 1
O. edulis fgts
- (20) N 12 C. nemoralis 1
H. aspersa 12

- (20) R [2] M. edulis fgt
O. edulis uv 1
- (21) D [2] O. edulis lv 1, uv 1
- (21) G [2] H. aspersa 2
- (21) H [2] M. edulis fgts
- (21) M [2] C. hortensis 1
C. nemoralis 1
H. aspersa 4
O. edulis lv 1
- (21) Q [2] M. edulis rv 1
- (55) B [2] M. edulis lv 1
- (37) F [2] Eutycinum undatum
- (37) R [2] M. edulis fgts
- (58) F37 [2] O. edulis uv 1
- WP 73 E
- (49) F12 [2] M. edulis fgt
O. edulis lv 1
- WP 73 B
- (5) J [14] A. arbustorum 1
H. aspersa 1
O. edulis uv 1
- (5) K [14] C. nemoralis 1
H. aspersa 2
M. edulis rv 1
O. edulis fgt
- (5) M [14] O. edulis lv 2
- (5) L [14] C. hortensis 1
C. nemoralis 1
H. aspersa 2
O. edulis lv 4, uv 1

- (5) P (14) Cepaea sp. 2
O. edulis fgt
- (19) M (14) Cepaea sp. 1
H. aspersa 1
- (5) R (14) C. hortensis 1
C. nemoralis 1
M. edulis lv 1
O. edulis fgt
- (6) A (14) Cepaea sp. 1
H. aspersa 1
Buccinum undatum 1
O. edulis uv 1
- (19) K (14) H. aspersa 1
- (19) N (14) C. hortensis 5
C. nemoralis 4
Cepaea sp. 1
H. aspersa 2
- (19) R (14) H. aspersa 2
- (20) A (14) C. hortensis 2
C. nemoralis 5
Cepaea sp. 1
H. aspersa 2
O. edulis lv 1
- (20) C (14) H. aspersa 1
- (20) D (14) C. hortensis 2
Cepaea sp. 2
H. aspersa 3
- (20) F (14) C. hortensis 1
Cepaea sp. 1
O. edulis lv 1
- (6/20) (14) O. edulis lv 1, uv 1

(20) E	14	<u>Anodonta/Unio</u> 1
		<u>H. aspersa</u> 1
(20) J	14	<u>M. edulis</u> lv 1
(20) K	14	<u>O. edulis</u> fgts
(20) B	14	<u>Cepaea</u> sp. fgts.
(5) N	14	<u>M. edulis</u> fgts
<u>WP 73-D</u>		
(6) J	12	<u>H. aspersa</u> 11
		<u>M. edulis</u> lv 1
		<u>O. edulis</u> uv 1
(6) N	12	<u>H. aspersa</u> 1
		<u>M. edulis</u> lv 1
(6) P	12	<u>M. edulis</u> lv 1
(6) K	12	<u>M. edulis</u> fgt
(7) F6	12	<u>H. aspersa</u> 1
(7) F8	15	<u>C. nemoralis</u> 1
		<u>H. aspersa</u> 8
* (7) F7	U/S	<u>H. aspersa</u> 3
		<u>M. edulis</u> rv 1
(7) F8	12	<u>C. hortensis</u> 5
		<u>C. nemoralis</u> 4
		<u>H. aspersa</u> 9
(7) F	12	<u>C. nemoralis</u> 1
		<u>H. aspersa</u> 1
(7) R	12	<u>O. edulis</u> lv 1
(7) Q	12	<u>H. aspersa</u> 3
(8) F11		<u>H. aspersa</u> 2
(8) F11	12	<u>C. hortensis</u> 1
		<u>C. nemoralis</u> 2
		<u>H. aspersa</u> 5
		<u>M. edulis</u> fgt