

Sample Date	Sample Site	Rep	Length (mm)	Height (mm)	Width (mm)
9/24/2014	Sample 1	1	23.7	18.9	13.2
	43-08-07.88N		20.7	17.3	12
	71-27-47.17W		24.3	20.4	13.5
			24.8	20.5	13.9
			19.5	16.8	11.9
<b>Mean</b>	<b>Length (mm)</b> 21.3859	<b>Height (mm)</b> 18.12179	<b>Width (mm)</b> 12.34103	<b>Total</b> N=78	
<b>Comment</b>	Sample taken by diver using 1/16 m2 quadrat and hand trowel				
			20.5	17.4	11.9
			24.1	20.5	13.9
			26.5	21.6	14.7
			24.2	20	13.3
			26.1	21.3	14.3
			23.7	20.1	13.7
			24	20	13.2
			24.4	21.1	14.1
			24.1	20	13.7
			26.7	22.4	14.2
			23.8	20.4	14
			24.3	21	13.9
			26.1	21.2	14.3
			17.7	16	11.7
			11.8	9.8	7.5
			25.8	21.5	14.6
			24.1	19.8	13.3
			20.5	17.9	12.2
			23.8	20.2	13.9
			26.2	22.4	14.3
			23.9	20.3	13.8
			25.8	21.7	14.4
			23	19.5	12.8
			25.7	22.2	14.2
			23.8	20.8	13.5
			11.7	9.8	7.5
			23.9	20.5	13.8
			23.2	20.5	13.5



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27.4	23.2	14.9
20.8	18.1	12.1
21	17.3	12.1
20.3	17.3	11.7
23.5	20.1	13.3
24	19.6	13.4
20.2	17.2	11.9
19.8	17.1	11.7
22.3	18.5	12.4
24.1	20.2	13.6
20.8	17.9	12.1
21.2	18	12.4
25	22.4	14.5
22.6	19.5	13.2
25.4	21.3	14.5
11.1	9.5	7.3
20.5	17.6	12.5
20	17.2	11.9
20.4	16.7	11.7
20	16.8	12.2
19.5	16.5	11.5
20.7	17.8	12.4
20.6	17.7	11.9
20	16.5	11.7
20.4	17	12.1
20.4	16	12.4
19.9	17	11.8
19.5	16.9	11.4
20.4	17.4	11.8
19.9	16.7	11.3
20	16.8	11.4
21.6	18.1	12.3
20.7	18	12.4
20.9	17.8	12

	20.3	17	11.8
	19.8	16.9	11.8
	20.5	17.9	12.4
	17.2	15.1	10.7
	20.8	18.1	11.9
	20.6	17.9	12.2
	19.7	17.2	11.8
	20.3	17.4	11.9
	19.2	16.7	11.6
	6.5	5.1	3
	<u>5.9</u>	<u>4.7</u>	<u>3</u>
Mean	21.3859	18.12179	12.34103

**Sample Date** 9/24/2014      **Sample Site** Sample 2      **Rep** 1  
 43-08-11.28N      71-27-48.36W

**Mean**      **Length (mm)** 23.53429      **Height (mm)** 19.70571      **Width (mm)** 13.47429  
**Total**      **N=35**

**Comment**  
 Sample taken by diver using 1/16 m2 quadrat and hand trowel



Length (mm)	Height (mm)	Width (mm)
24.3	20.4	13.6
25.9	21.4	14.7
24.4	19.9	13.5
22.4	19.7	13.3
24.7	20.5	14
26.7	21.7	14.6
25.8	21	14.2
25.9	21.9	14.7
24	20.2	13.4
24.5	20.8	13.9
11.9	9.8	8.2
11.9	10.4	8.9
24.4	20.8	14.3
23.9	20.7	13.9
23.8	20.1	13.4
24.7	20.1	13.5
20.7	17.5	12.3
27.5	23.4	15.8
26.7	21.7	14.6
24.4	20.8	14.4
25.4	20.1	14.2
26.2	21.8	14.3
26.6	23	15.4
20.7	18.1	12.5
23.5	19.4	13.3
23	19.1	13.4
24.3	21.2	13.5
24.1	20.7	13.5
20.2	17.5	12.1
22.4	18.5	12.8
20.2	16.9	11.9
23	18.6	12.9
24.2	20	14.1

	23.5	19.4	13.3
	<u>27.9</u>	<u>22.6</u>	<u>15.2</u>
Mean	23.53429	19.70571	13.47429 N=35

Sample Date	Sample Site	Rep	Length (mm)	Height (mm)	Width (mm)
9/24/2014	Sample 3	1	26.2	21.2	14
	43-08-11.5N		28	21	14.6
	71-27-50.1W		22.7	18.4	12
			24.8	19.8	12.8
Mean	24.35093	Total	24.1	17.5	13.3
	18.89861	N=216	20.3	16.3	11.3
			25.6	19.9	14.1
			23.7	18.5	12.3
			25	19.8	13.2
			28.7	22.3	15.8
			20.3	16.8	11.6
			24.4	19	12.9
			27.1	20.7	13.9
			23.8	18	13.2
			28	22.8	14.9
			23.8	18.1	12.5
			21	16.8	12
			26.2	19.9	14.1
			24	18.4	12.7
			24.1	19.2	12.8
			24.2	18.4	12.7
			24.6	19	13.5
			24.5	18.9	12.2
			24.5	19	13
			28.6	22.2	13.8
			24.6	19.7	13.2
			24.8	19.6	13.3
			24.1	18.7	13.1
			23.9	18.7	12.8
			15	13	9
			18	14.8	10.1
			20.8	17.5	12
			27	20.2	13.8

Comment  
Sample taken by diver using 1/16 m2 quadrat and hand trowel



Length (mm)	Height (mm)	Width (mm)
26.2	21.2	14
28	21	14.6
22.7	18.4	12
24.8	19.8	12.8
24.1	17.5	13.3
20.3	16.3	11.3
25.6	19.9	14.1
23.7	18.5	12.3
25	19.8	13.2
28.7	22.3	15.8
20.3	16.8	11.6
24.4	19	12.9
27.1	20.7	13.9
23.8	18	13.2
28	22.8	14.9
23.8	18.1	12.5
21	16.8	12
26.2	19.9	14.1
24	18.4	12.7
24.1	19.2	12.8
24.2	18.4	12.7
24.6	19	13.5
24.5	18.9	12.2
24.5	19	13
28.6	22.2	13.8
24.6	19.7	13.2
24.8	19.6	13.3
24.1	18.7	13.1
23.9	18.7	12.8
15	13	9
18	14.8	10.1
20.8	17.5	12
27	20.2	13.8

29.5	22.9	15.3
26.1	19.6	13.6
24.3	18.7	12.7
26.2	20.1	13.7
28.6	22.4	13.8
26.6	20.8	13.7
24	18.4	12.4
24.7	18.9	13.8
23.4	17.7	12.4
24.3	18.5	13.1
26.3	19.8	13.6
26	19.9	14.4
23.5	17.6	11.8
24.3	19.4	13.1
24.2	19	13.1
26.6	20.7	14.5
29	22	15.6
26.5	20	14.6
23.7	18.6	12.7
23.6	18.5	12.6
24.3	18.8	12.9
26.2	20.2	13.5
24.7	19	13.4
23.5	18.5	12.8
23.5	18	12.7
24.2	19.1	12.4
22.7	18	12.3
23.8	19.7	13
23.9	18.2	12.8
23.9	19.5	12.4
22.5	17.7	10.8
22.2	18.8	12.4
27.2	20.5	14.5
23.1	18.5	12.1

23.7	18.5	12.9
25	19.9	13.7
23.4	18.2	12.1
23.9	18.5	13
20.8	16.7	11.5
24.7	19	12
24.9	19.6	12.9
24.6	18.7	12.4
24.5	18.8	12.8
24	17.6	12.9
23.5	17.9	12.5
24.4	18.3	13.5
24	18.6	12.7
20	15	11.2
23.2	17.6	11.7
26.6	21.1	13.8
27.2	22.2	14.1
24.7	18.5	12.1
26.5	20.2	13.1
24.3	18.9	13.1
26.2	20.5	13.6
24.6	19.8	13.3
24.3	18.8	12.4
25	19.5	13.6
24	19.2	12.9
24.9	18.7	13.1
24.3	18.7	12.8
24	18.9	13.3
24.5	19.4	12.7
24.8	19.5	12.8
23.8	19.2	12.5
23.5	19.1	12.2
23.9	18.4	12.8
24.1	18.6	12.9



25.1	19.9	13.5
21	17.1	11.8
21.8	16.7	11.4
24.5	19.1	12.2
24.5	18.8	13.2
25.5	20.3	13.5
23.6	18.7	12.8
24	19.1	12.7
23	18.9	12.6
24.1	18.3	12.6
23.2	18.3	12.9
25	18.7	12.7
24.3	17.9	12.3
26.1	19.7	13.8
24.5	13.5	18.5
23.4	18.3	12.4
22.5	18.6	12
24.7	19.1	13.5
26.3	20.4	14.5
23.6	18.1	12.5
28.4	22.5	15
28	21.1	14.5
24.5	19	13.3
24	18.6	12.3
24.8	18.9	13
25.3	19.9	13.7
24.7	18.8	12.5
23.5	18.1	12
24.6	18	13
23.6	17.8	12.2
24.4	17.8	11.4
24.3	18.9	12.9
24.4	19.1	13.7
20.9	16.6	10.4

26.5	20.5	13.7
24.4	18.9	12.9
24.7	19.7	13.2
23.7	18.2	12.9
24.1	18.5	12.6
24.5	19.5	13
26.4	20.1	13.4
23.6	18.3	13
23.9	18.5	13.2
20.9	16.7	11.7
24.5	18.8	12.8
24.2	18.8	12.5
21.6	17.7	12.1
24	17.8	12.8
22.5	17.7	11.9
24	18.3	12.1
24.2	18.8	12.7
26.8	19.7	12.5
26	19.3	13.3
23.4	18	12
23.8	18.2	13.3
20.1	16.3	10.4
21.5	17.9	12.5
21.1	17.6	12.5
23.9	19.5	13.3
23.8	17.8	12.5
25.1	19.8	13
29	21	15.6
24.9	19	13.8
24.2	18.8	13.5
19.8	16	10.6
21.5	17.9	12.7
26.7	19.9	13.7
30.6	22.8	16.6

28.8	22.4	14.8
27.5	20.9	12.7
27.7	21	14.6
24.4	19.1	12.8
22.6	17.9	12.2
24.6	18.7	13.1
23.3	17.5	11.8
24.2	19.4	12.6
24.4	18.8	13.1
23.5	17.8	12.8
23.1	18.2	12.5
23.8	19.1	13.1
27.7	20.5	14.1
23.6	19.1	12.9
23	17.6	12.2
24.2	19.1	13
24	18.4	12.8
28.6	21.8	15.7
25.6	19.5	13.5
21	17.3	11.8
23.8	19.1	13
20.2	16	11.5
18.5	15.1	10.8
27.3	20.8	14
25.3	19.9	13.4
24.9	19	13.1
24	18.2	12.6
26.6	20.6	14.5
23.2	18.1	12.7
24.2	18.3	13.4
25.2	19.8	13.3
21.1	16.7	11.3
24.2	18.6	12.7
24.6	18.6	13.1

	24.6	19.2	13.3
	23.9	19.4	13.4
	28.5	21.2	15
	24.6	18.8	12.6
	24.7	19.4	13.2
	26.1	19.9	13.4
	19.7	16.2	11.2
	23.6	18.9	12.7
	24.2	18.2	12.8
	25.3	19.3	13.1
	28.3	20.3	14.7
	24.3	18.5	12.7
	<u>18</u>	<u>14.8</u>	<u>10.6</u>
<b>Mean</b>	<b>24.35093</b>	<b>18.89861</b>	<b>12.96157</b>