

Appendix C. Imposex Analysis Data Forms



GASTROPOD LABORATORY FORM

Project Name: _____ Project no. _____
 Date: _____ Location: _____
 Start/Stop time: _____ X: _____
 Sampling Method: Examination of living gastropods removed from shell with stereomicroscope at 12X-50X magnification. Y: _____
 Technician: _____ Sample ID: _____

Gastropod species	Shell length (cm)	Wet weight (incl. shell) (g)		Gastropod species	Shell length (cm)	Wet weight (incl. shell) (g)
LDW-G14-TS1 <i>Nassarius mendicis</i> (1)	1.2	0.30	♂			
" " (2)	1.3	0.36	♂			
" " TS2	1.0	0.22	♂			
" " TS3 <i>Astyan gausapata</i>	1.0	0.11	♀	No imposex		
" " TS-4 <i>N. mendicis</i> (1)	1.4	0.38	♂			
" " (2)	1.1	0.22	♀	Stage 2 imposex - penis 0.8mm		
" " (3)	1.0	0.22	♂			
" " (4)	1.0	0.13	♂			
G26 TS1	(1) 1.2	0.33	♀	Stage 2 imposex - penis 1.05mm		
" " (2)	1.2	0.27	♂			
" " <i>A. gausapata</i> (1)	0.9	0.13	♀	No imposex		
" " (2)	1.1	0.19	♂			
" " TS-3	1.0	0.16	♂			
" " <i>N. mendicis</i>	1.2	0.35	♀	Stage 2 imposex - penis 1.8mm		
" " TS-4 (1)	1.5	0.46	♂	Penis 5.0mm		
" " (2)	1.3	0.36	♀	Imposex - Penis 1.8mm; Stage 2		
" " (3)	1.1	0.17	♀	Imposex - Penis 1.8mm; Stage 2		
" " <i>A. gausapata</i>	1.0	0.15	♂			
" " TS-5	1.0	0.21	♂			
G26 TS-4 (1)	1.1	0.26	♀	No imposex		

Comments:



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Gastropod species	Shell length (cm)	Wet weight (incl. shell) (g)	Gastropod species	Shell length (cm)	Wet weight (incl. shell) (g)
LDW-G36-T54 A. gausapatu (2)	1.0	0.13	♀ No imposex		
" " T5-5 " "	1.0	0.18	♀ No imposex		
" " " N. mendicus	1.1	0.32	♀ Penis 1.8 mm. Stage 2 imposex		
G41-T31 A. gausapatu (1)	1.1	0.20	♀ No imposex		
" " " " (2)	1.0	0.16	♀ No imposex		
" " T5-2 " "	1.0	0.21	♀ " "		
" " T5-3 " "	1.1	0.22	♀ " "		
" " " " " "	1.1	0.13	♀ " "		
" " T5-5 N. mendicus	1.1	0.23	♂ Penis 4.6 mm.		
G56-T3-2 " "	1.4	0.39	♂ Penis 5.0 mm.		
G42-T3-1 " " (1)	1.37	0.34	♂ Penis 8.7 mm.		
" " " " (2)	1.35	0.37	♀ imposex - small penis ^{small} 0.5 mm Stage 1		
" " T5-2 " "	1.32	0.38	♀ imposex - penis 1.2 mm. Stage 2		
" " T5-3 " " (1)	1.28	0.29	♀ imposex - penis 0.8 mm. Stage 2		
" " " " (2)	1.19	0.27	♂ Penis 8.3 mm.		
G76-T5-2 " "	1.08	0.20	♂ Penis 7.1 mm.		
G86-T5-2 " "	1.11	0.20	♀ imposex - penis 1.1 mm. Stage 2		
G104-T5-5 " "	1.35	0.41	♂ Penis 9.1 mm.		

Comments: *Imposex stages follow Celduann et al., (Journ. Molluscan Studies 57:357-399, 1991) as closely as possible. Stage 1 = Celduann et al. Stage 1a, with very short penis and no vas deferens. Stage 2 = Celduann et al. Stage 2a, with longer penis. According to Celduann et al., the Stage 2 penis should have a duct. This could not be resolved for certain at the magnification used, but is likely. The organs would have to be examined under a compound microscope or perhaps sectioned to be sure. (Celduann et al.'s Stages 1, 1c, 2, and 2c have one or two short lengths of vas deferens. No vas deferens was detected in the ♀ N. mendicus specimens. Again, higher magnification might reveal a vas deferens, but my judgement is that I probably would have seen it if it had been present.)*

is that I probably would have seen it if it had been present.