



Figure D1. Atyoida bisulcata ('ōpaekala'ole) adult.



Figure D2. Atyoida bisulcata ('ōpaekala'ole) recruits.



**Figure D3.** *Atyoida bisulcata* ('ōpaekala'ole) larvae. Specimens preserved in 70-percent methanol.



Figure D4. Neritina granosa (hīhīwai); Sicyopterus stimpsoni ('o'opu nōpili).



**Figure D5.** *Telmatogeton* sp. larvae. Specimens preserved in 70-percent methanol.

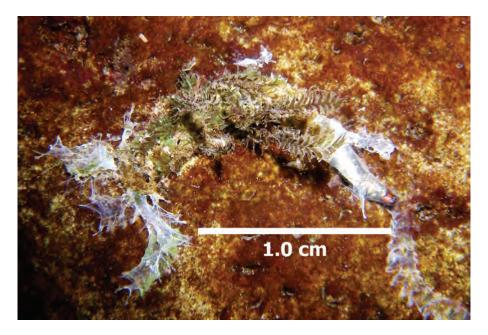


Figure D6. *Telmatogeton* sp. larva in case.

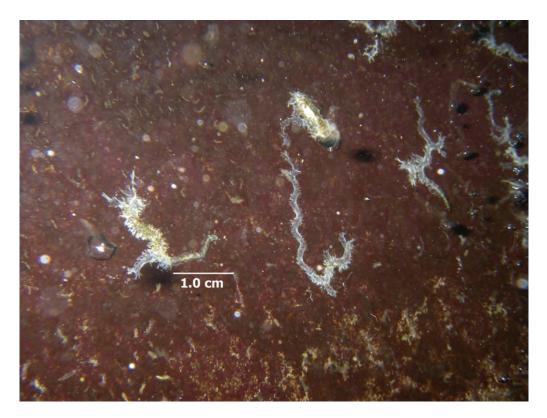
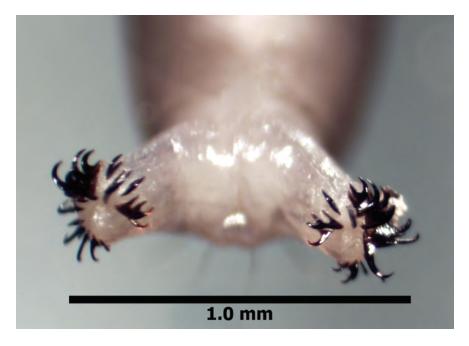


Figure D7. Telmatogeton sp. larvae in cases.



**Figure D8.** *Telmatogeton* sp. larva, posterior. Specimen preserved in 70-percent methanol.



Figure D9. Telmatogeton habitat 1.



Figure D10. Telmatogeton habitat 2.



Figure D11. *Megalagrion nigrohamatum nigrolineatum* (Blackline Hawaiian damselfly) adult.



Figure D12. Megalagrion blackburni (Blackburn's Hawaiian damselfly) adult.



**Figure D13.** *Megalagrion nigrohamatum nigrohamatum* (Blackhook Hawaiian damselfly) adult.



Figure D14. Megalagrion sp. naiad. Specimen preserved in 70-percent methanol.

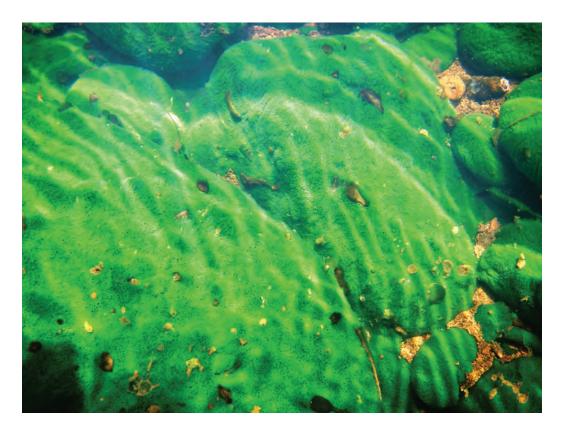
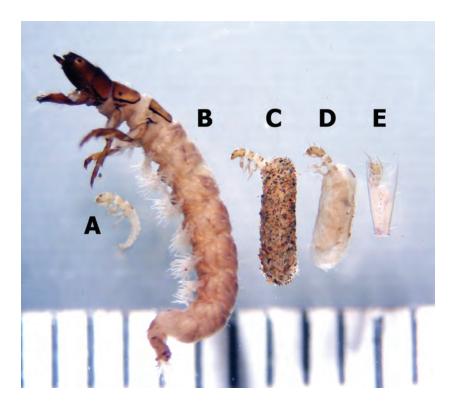
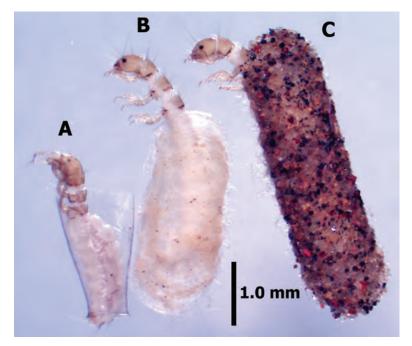


Figure D15. Heteromeyenia baileyi (native freshwater sponge).



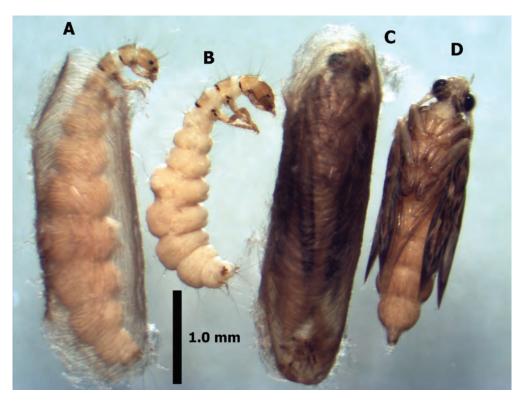
**Figure D16.** Trichoptera larvae: (A) *Cheumatopsyche analis*; (B) *C. analis*; (C) *Hydroptila icona*; (D) *Hydroptila potosina*; (E) *Oxyethira maya*. Specimens preserved in 70-percent methanol. Scale in millimeters.



**Figure D17.** Hydroptilidae larvae: (A) *Oxyethira maya*; (B) *Hydroptila icona*; (C) *Hydroptila potosina*. Specimens preserved in 70-percent methanol.



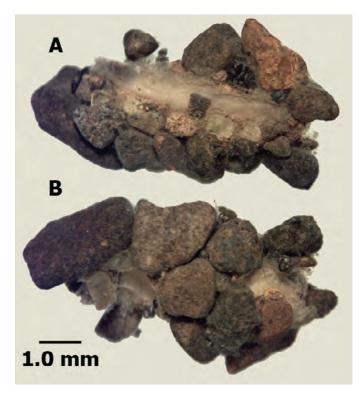
**Figure D18.** Hydroptilidae larvae: (A) *Hydroptila potosina*; (B) *Hydroptila icona*; (C) *Oxyethira maya*. Specimens preserved in 70-percent methanol.



**Figure D19.** *Hydroptila icona*: (A) larva in case; (B) larva; (C) pupa in cocoon; (D) pupa. Specimens preserved in 70-percent methanol.



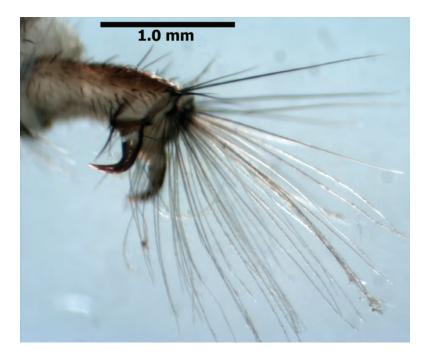
**Figure D20.** *Cheumatopsyche analis* larva. Specimens preserved in 70-percent methanol.



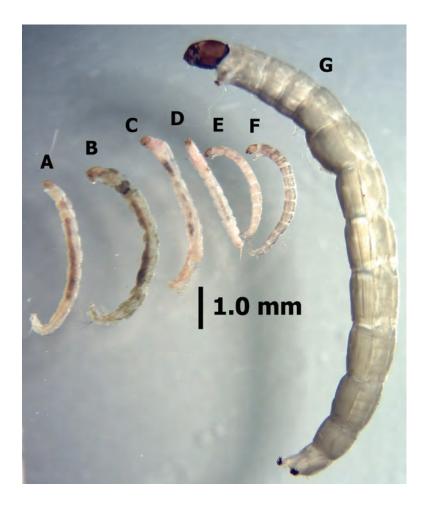
**Figure D21.** *Cheumatopsyche analis* case: (A) ventral view; (B) dorsal view. Specimens preserved in 70-percent methanol.



Figure D22. Cheumatopsyche analis larva.



**Figure D23.** *Cheumatopsyche analis* larva, posterior. Specimens preserved in 70-percent methanol.



**Figure D24.** Assorted Chironomidae larvae: (A) *Polypedilum* sp.; (B) *Goeldichironomus* sp.; (C) *Tanytarsus* sp.; (D) *Apedilum* sp.; (E) *Eukiefferiella* sp.; (F) *Cricotopus* sp.; (G) *Telmatogeton* sp. Specimens preserved in 70-percent methanol.

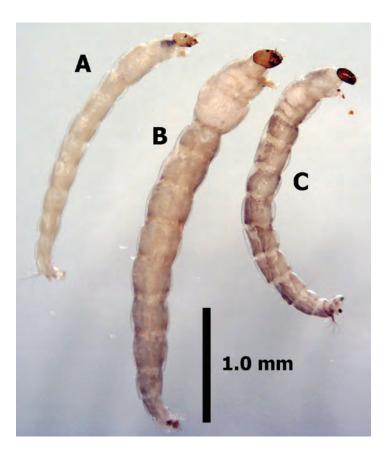


Figure D25. Assorted Chironomidae larvae: (A) Apedilum sp., (B) Cricotopus sp., (C) Eukiefferiella sp. Specimens preserved in 70-percent methanol.

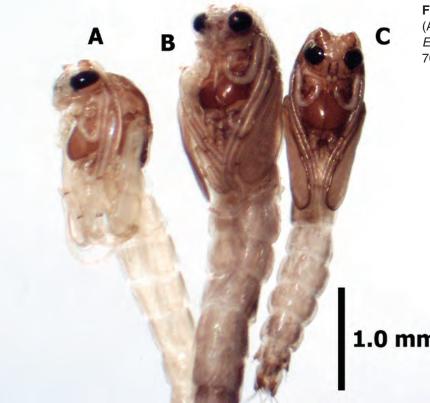


Figure D26. Assorted Chironomidae pupae: (A) Apedilum sp., (B) Cricotopus sp., (C) Eukiefferiella sp. Specimens preserved in 70-percent methanol.

1.0 mm



**Figure D27.** *Hemerodromia stellaris* larval stages. Specimens preserved in 70-percent methanol.



**Figure D28.** *Hemerodromia stellaris* pupal stages. Specimens preserved in 70-percent methanol.



Figure D29. Macrobrachium lar (Tahitian prawn) adult.



Figure D30. Macrobrachium grandimanus ('ōpae 'oeha'a) adult.

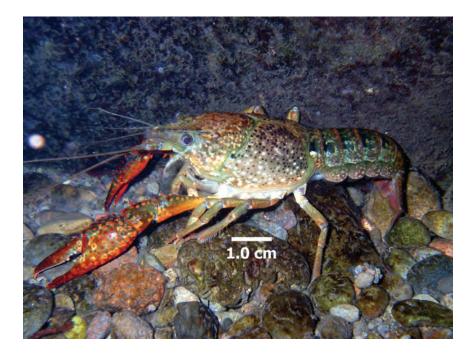
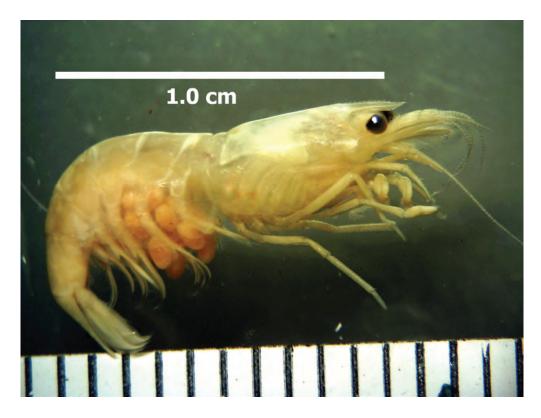


Figure D31. Procambarus clarkii (Louisiana swamp crayfish) adult.



**Figure D32.** *Neocaridina denticulata sinensis* (Taiwan blue shrimp) adult. Specimen preserved in 70-percent methanol.

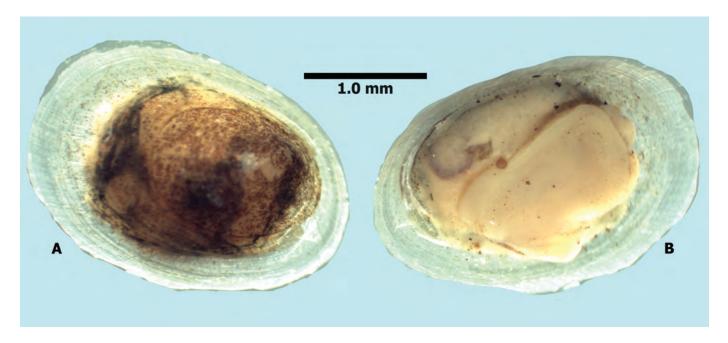


Figure D33. Ferrissia sharpi: (A) dorsal view; (B) ventral view. Specimen preserved in 70-percent methanol.



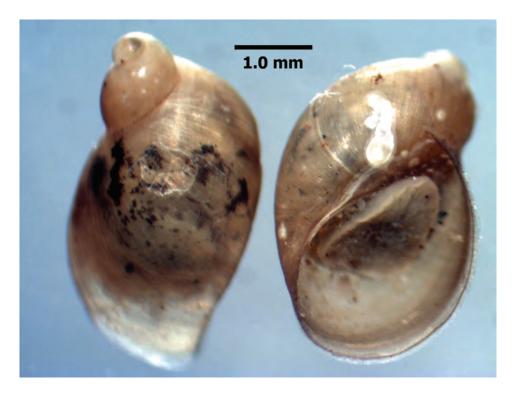
Figure D34. Corbicula fluminea (Asian clam).



Figure D35. Oligochaeta (worms). Specimens preserved in 70-percent methanol.



**Figure D36.** Oligochaeta (worms). Specimens preserved in 70-percent methanol.



**Figure D37.** *Pseudosuccinea columella* (nonnative Lymnaeidae). Specimen preserved in 70-percent methanol.



Figure D38. Physidae snail.



Figure D39. Melanoides tuberculata (Red-rimmed melania).



**Figure D40.** *Planorbella duryi* (Seminole rams-horn snail). Specimen preserved in 70-percent methanol.



Figure D41. Amphipod. Specimen preserved in 70-percent methanol.

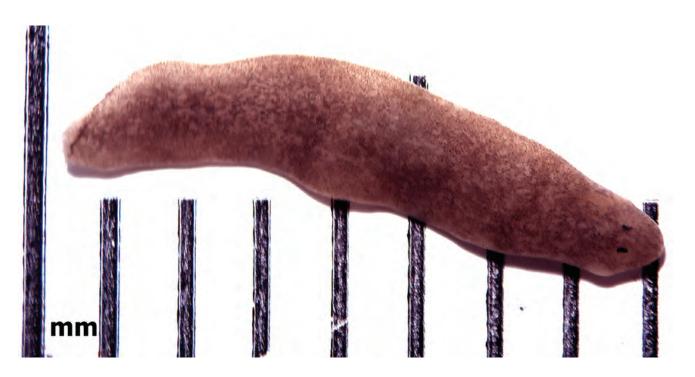


Figure D42. Turbellaria; Planarian (flatworm). Specimen preserved in 70-percent methanol. Scale in millimeters.



**Figure D43.** Assorted macroinvertebrates: (A) Ephydridae larva; (B) mite; (C) *Ferrissia sharpi*; (D) *Cheumatopsyche analis* larva. Specimens preserved in 70-percent methanol.



Figure D44. Anax strenuus (native dragonfly) adult.

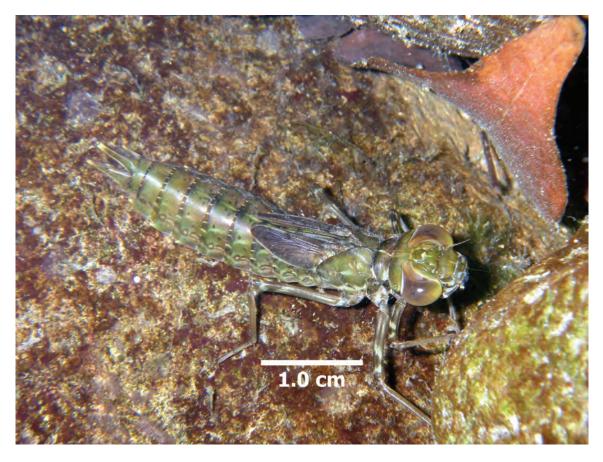


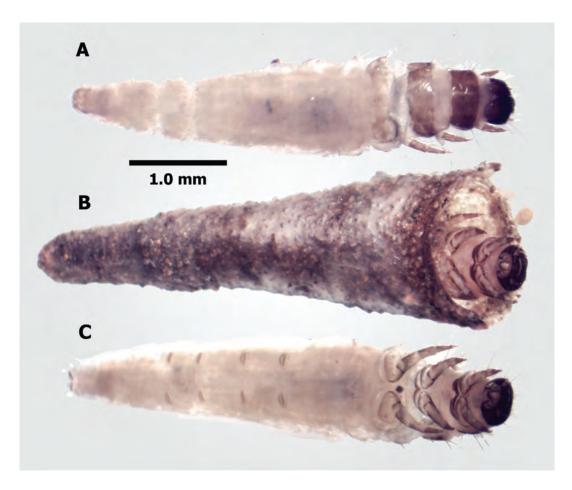
Figure D45. Anax strenuus (native dragonfly) naiad.



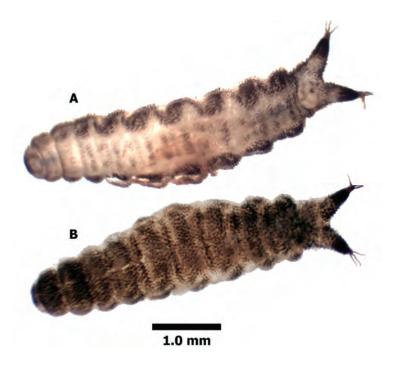
Figure D46. Anax strenuus (native dragonfly) naiad.



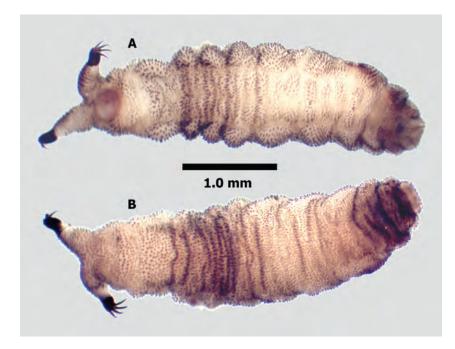
Figure D47. Mite adult. Specimen preserved in 70-percent methanol.



**Figure D48.** *Hyposmocoma* sp. (native Lepidoptera) larva: (A) dorsal view; (B) cocoon view; (C) ventral view. Specimen preserved in 70-percent methanol.



**Figure D49.** Canacidae larva: (A) ventral view; (B) dorsal view. Specimen preserved in 70-percent methanol.



**Figure D50.** Ephydridae larva: (A) ventral view; (B) dorsal view. Specimen preserved in 70-percent methanol.

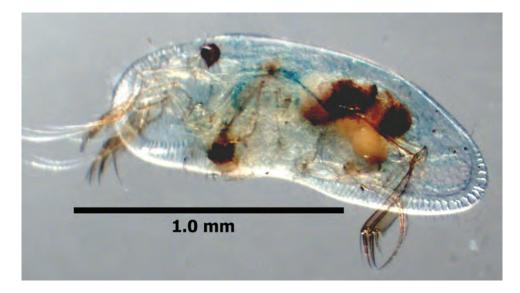
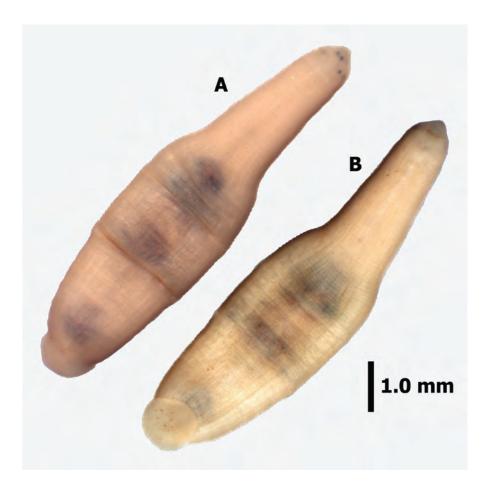


Figure D51. Ostracoda adult. Specimen preserved in 70-percent methanol.



**Figure D52.** Glossiphoniidae (leech) adult: (A) dorsal view; (B) ventral view. Specimen preserved in 70-percent methanol.

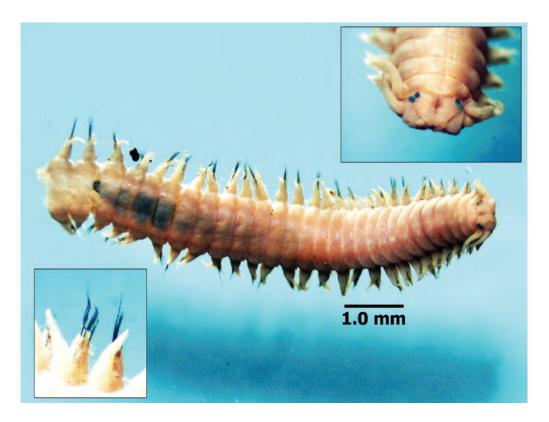
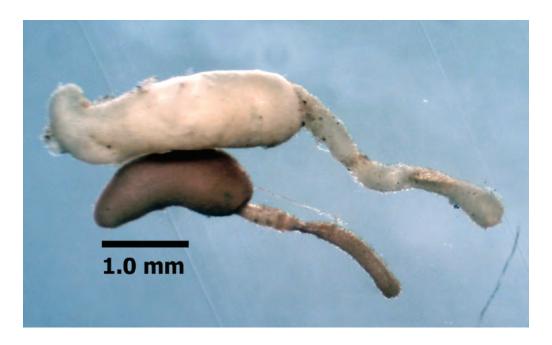


Figure D53. *Namalycastis abiuma* (native Polychaeta) adult. Specimen preserved in 70-percent methanol.



**Figure D54.** *Prostoma* sp. (Proboscis worms). Specimens preserved in 70-percent methanol.